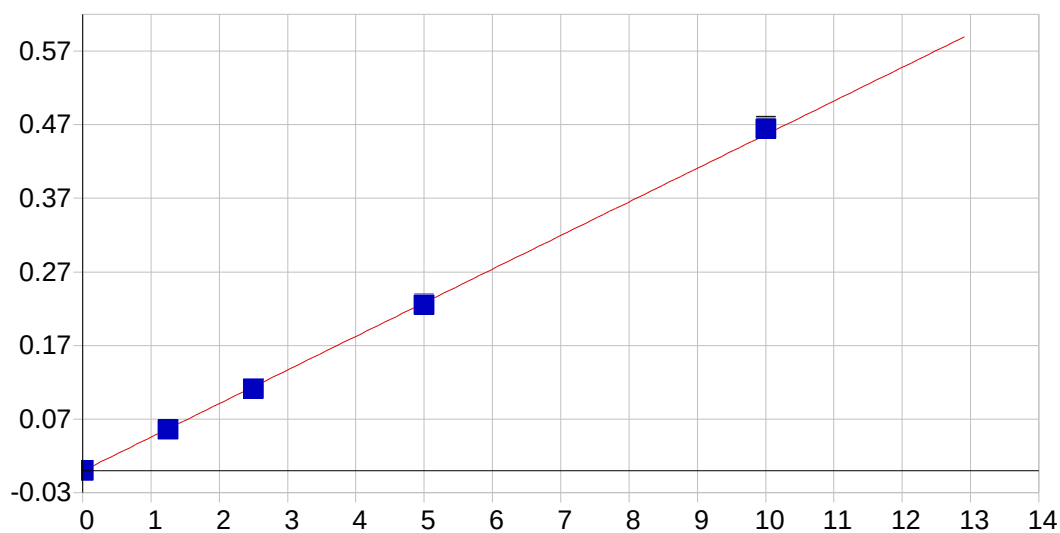


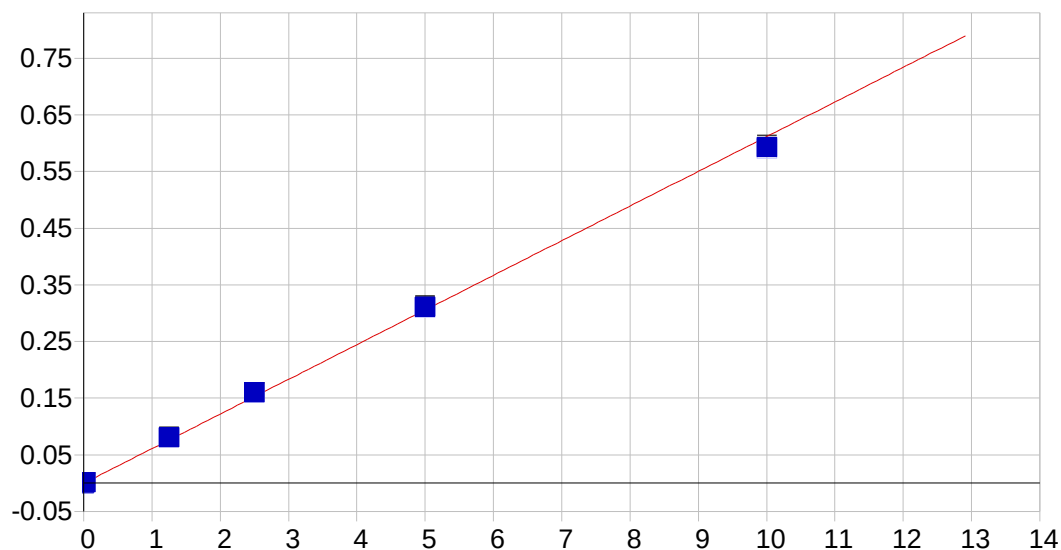


As 189.042 {479}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000307 Re-Slope: 1.000000  
 A1 (Gain): 0.045680 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999813 Status: OK.  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.003363  
 Predicted MQL: 0.011208

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00031 | .000    | 1        |
| S1        | .01000       | .00716      | -.003      | -28.4   | .00002  | .000    | 1        |
| S2        | 1.2500       | 1.2188      | -.031      | -2.49   | .05559  | .000    | 1        |
| S3        | 2.5000       | 2.4406      | -.059      | -2.38   | .11162  | .000    | 1        |
| S4        | 5.0000       | 4.9230      | -.077      | -1.54   | .22546  | .001    | 1        |
| S5        | 10.000       | 10.170      | .170       | 1.70    | .46604  | .002    | 1        |

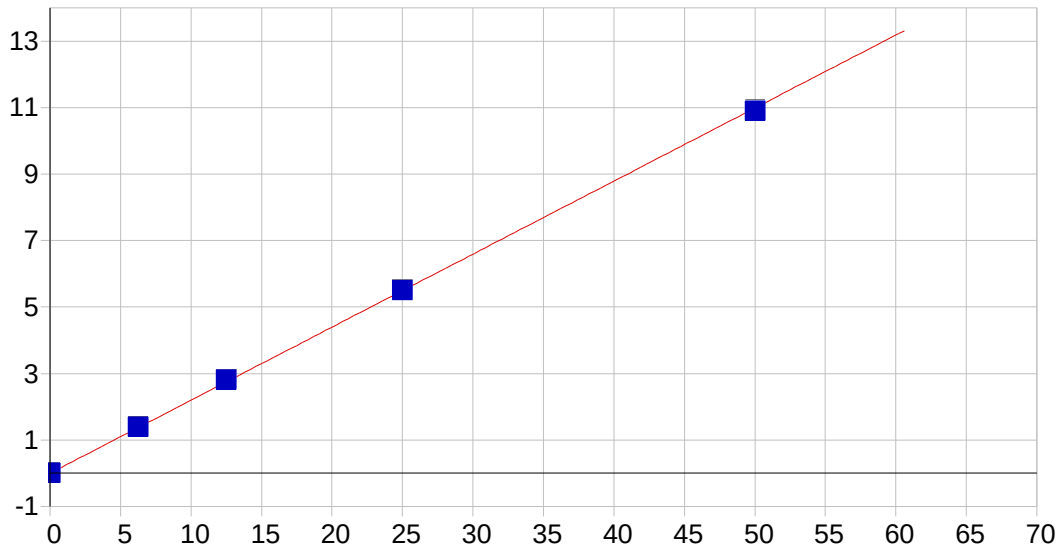


TI 190.856 {477}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000360 Re-Slope: 1.000000  
 A1 (Gain): 0.061184 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999390 Status: OK.  
 Std Error of Est: 0.000056  
 Predicted MDL: 0.002177  
 Predicted MQL: 0.007257

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00036 | .000    | 1        |
| S1        | .02500       | .02270      | -.002      | -9.18   | .00101  | .000    | 1        |
| S2        | 1.2500       | 1.3326      | .083       | 6.61    | .08071  | .000    | 1        |
| S3        | 2.5000       | 2.6253      | .125       | 5.01    | .15934  | .000    | 1        |
| S4        | 5.0000       | 5.0935      | .093       | 1.87    | .30943  | .002    | 1        |
| S5        | 10.000       | 9.7009      | -.299      | -2.99   | .58948  | .003    | 1        |

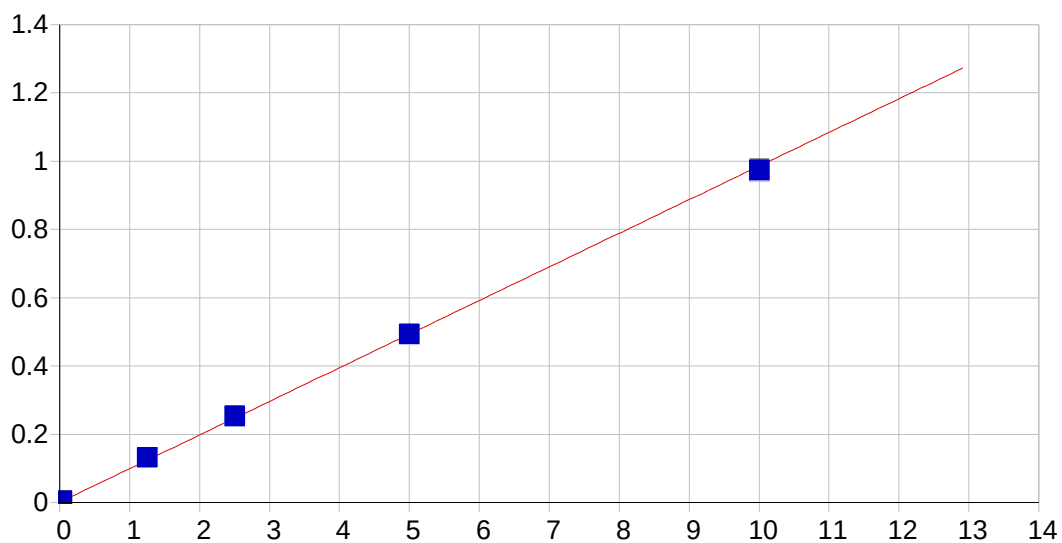


Pb 220.353 {453}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000178 Re-Slope: 1.000000  
 A1 (Gain): 0.219723 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942 Status: OK.  
 Std Error of Est: 0.000089  
 Predicted MDL: 0.001587  
 Predicted MQL: 0.005290

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00018 | .000    | 1        |
| S1        | .01000       | .00887      | -.001      | -11.3   | .00178  | .000    | 1        |
| S2        | 6.2500       | 6.3449      | .095       | 1.52    | 1.3958  | .004    | 1        |
| S3        | 12.500       | 12.769      | .269       | 2.15    | 2.8092  | .002    | 1        |
| S4        | 25.000       | 25.057      | .057       | .228    | 5.5130  | .010    | 1        |
| S5        | 50.000       | 49.580      | -.420      | -.839   | 10.909  | .019    | 1        |



Date of Fit: 10/25/2018 14:24:55

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000671

Re-Slope: 1.000000

A1 (Gain): 0.098519

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999793

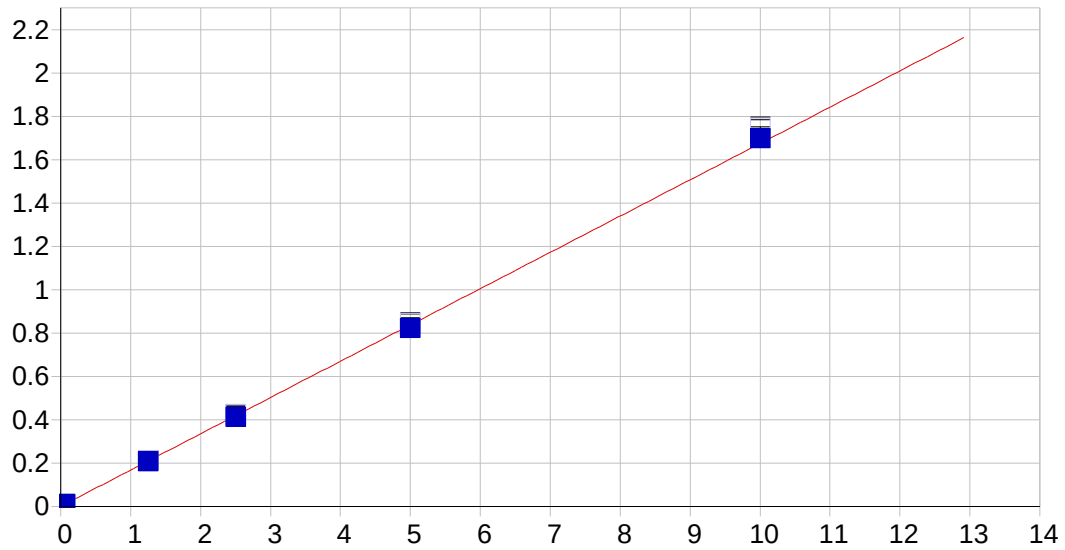
Status: OK.

Std Error of Est: 0.000063

Predicted MDL: 0.002411

Predicted MQL: 0.008037

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00067 | .000    | 1        |
| S1        | .03500       | .03655      | .002       | 4.42    | .00427 | .000    | 1        |
| S2        | 1.2500       | 1.3253      | .075       | 6.03    | .13066 | .000    | 1        |
| S3        | 2.5000       | 2.5579      | .058       | 2.32    | .25152 | .001    | 1        |
| S4        | 5.0000       | 4.9972      | -.003      | -.055   | .49069 | .001    | 1        |
| S5        | 10.000       | 9.8680      | -.132      | -1.32   | .96824 | .004    | 1        |

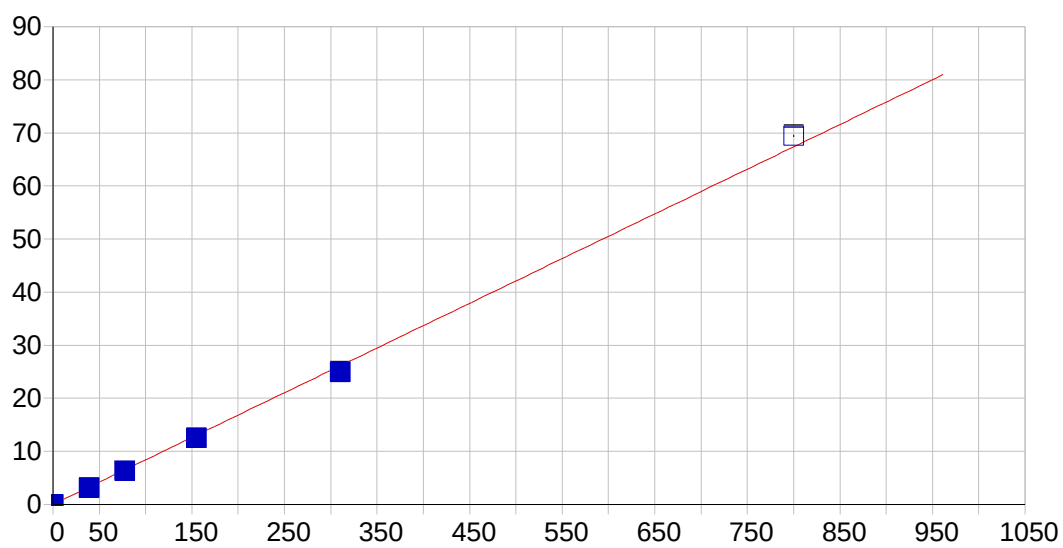


Sb 206.833 {463}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000485 Re-Slope: 1.000000  
 A1 (Gain): 0.167395 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999879 Status: OK.  
 Std Error of Est: 0.000110  
 Predicted MDL: 0.001576  
 Predicted MQL: 0.005255

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00049 | .000    | 1        |
| S1        | .06000       | .05628      | -.004      | -6.20   | .00990 | .000    | 1        |
| S2        | 1.2500       | 1.2305      | -.020      | -1.56   | .21216 | .000    | 1        |
| S3        | 2.5000       | 2.4666      | -.033      | -1.34   | .42478 | .001    | 1        |
| S4        | 5.0000       | 4.9094      | -.091      | -1.81   | .84510 | .003    | 1        |
| S5        | 10.000       | 10.147      | .147       | 1.47    | 1.7446 | .006    | 1        |



AI 396.152 { 85}

Date of Fit: 10/25/2018 14:24:55

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.003575

Re-Slope: 1.000000

A1 (Gain): 0.084205

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999359

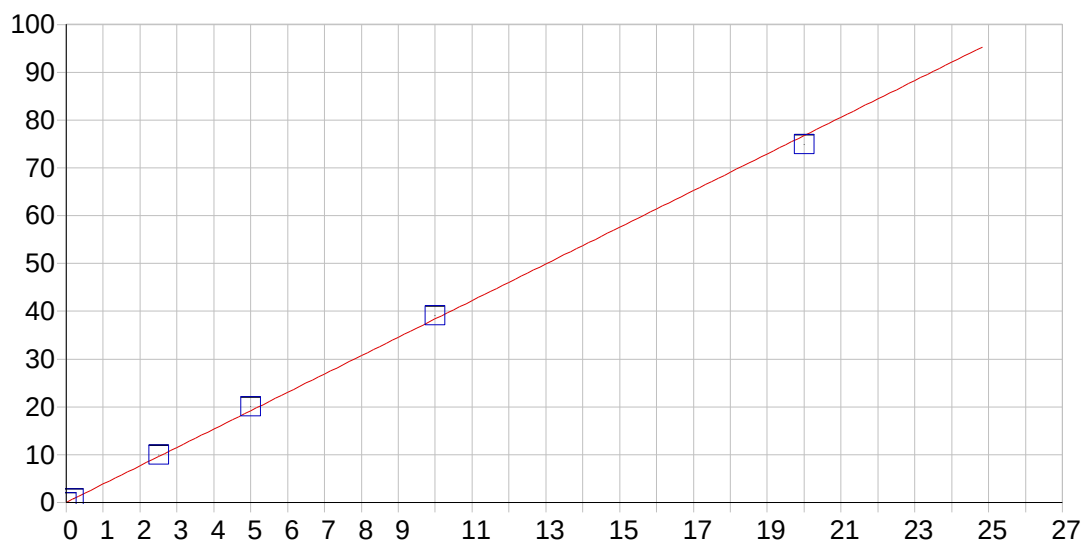
Status: OK.

Std Error of Est: 0.001876

Predicted MDL: 0.014471

Predicted MQL: 0.048238

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .00358 | .001    | 1        |
| S1        | .20000       | .19000      | -.010      | -5.00   | .01960 | .000    | 1        |
| S2        | 38.750       | 37.345      | -1.41      | -3.63   | 3.1512 | .011    | 1        |
| S3        | 77.500       | 75.363      | -2.14      | -2.76   | 6.3556 | .036    | 1        |
| S4        | 155.00       | 148.27      | -6.73      | -4.34   | 12.501 | .044    | 1        |
| S5        | 310.00       | 296.00      | -14.0      | -4.52   | 24.952 | .109    | 1        |
| S6        | 800.00       | 824.31      | 24.3       | 3.04    | 69.414 | .216    | 1        |

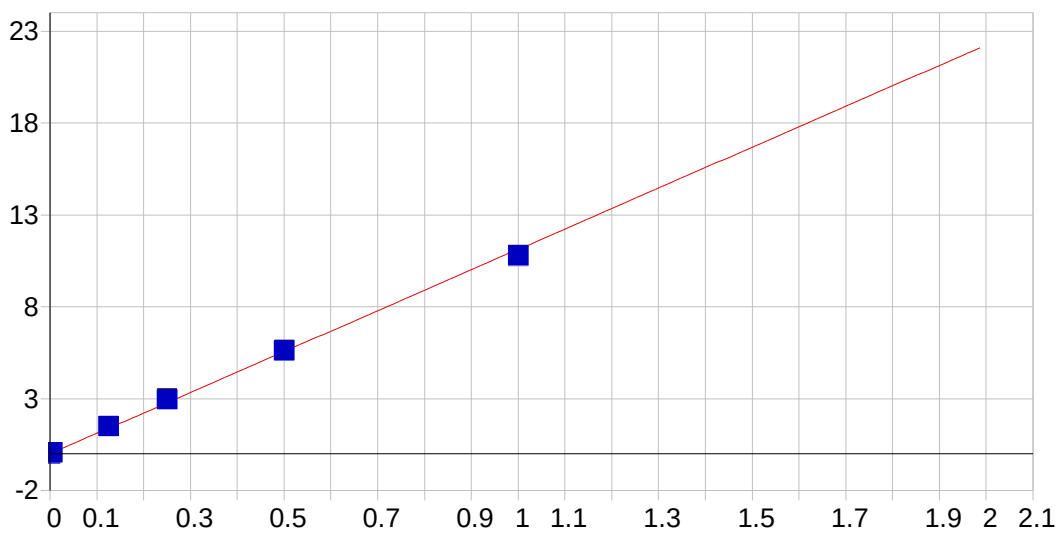


Ba 493.409 { 68}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.020427 Re-Slope: 1.000000  
 A1 (Gain): 3.837210 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999632 Status: OK.  
 Std Error of Est: 0.011066  
 Predicted MDL: 0.000933  
 Predicted MQL: 0.003108

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .02037 | .006    | 1        |
| S1        | .20000       | .19956      | .000       | -.218   | .78620 | .006    | 1        |
| S2        | 2.5000       | 2.5822      | .082       | 3.29    | 9.9290 | .033    | 1        |
| S3        | 5.0000       | 5.2204      | .220       | 4.41    | 20.052 | .033    | 1        |
| S4        | 10.000       | 10.185      | .185       | 1.85    | 39.104 | .080    | 1        |
| S5        | 20.000       | 19.512      | -.488      | -2.44   | 74.893 | .044    | 1        |



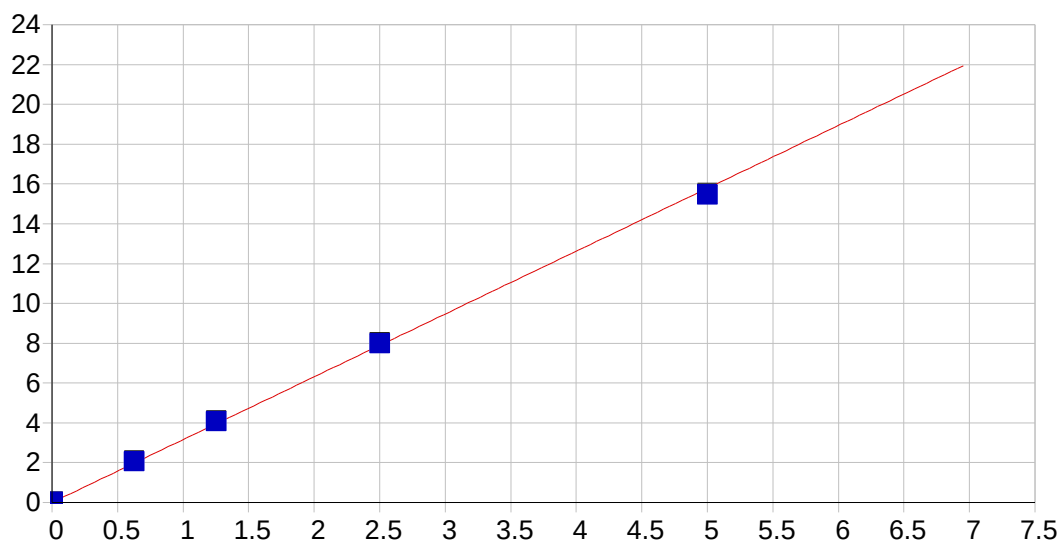
Be 234.861 {144}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004184 Re-Slope: 1.000000  
 A1 (Gain): 11.124095 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999240 Status: OK.  
 Std Error of Est: 0.001621  
 Predicted MDL: 0.000061  
 Predicted MQL: 0.000203

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00419 | .001    | 1        |
| S1        | .00500       | .00500      | .000       | -.097   | .05133  | .000    | 1        |
| S2        | .12500       | .13404      | .009       | 7.23    | 1.4808  | .007    | 1        |
| S3        | .25000       | .26689      | .017       | 6.76    | 2.9526  | .018    | 1        |
| S4        | .50000       | .50542      | .005       | 1.08    | 5.5938  | .017    | 1        |
| S5        | 1.0000       | .96866      | -.031      | -3.13   | 10.723  | .023    | 1        |





Date of Fit: 10/25/2018 14:24:55

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000417

Re-Slope: 1.000000

A1 (Gain): 3.156267

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999700

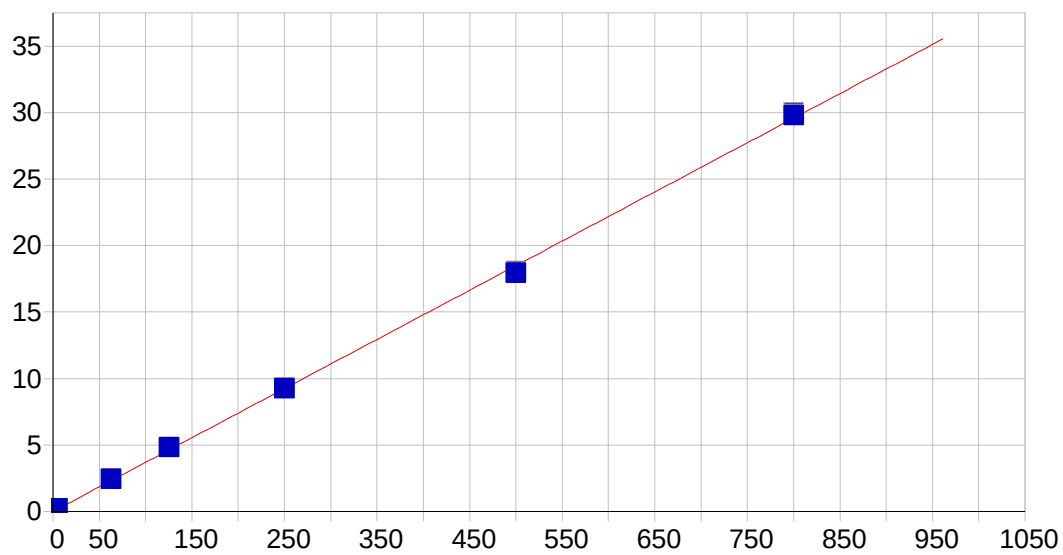
Status: OK.

Std Error of Est: 0.000649

Predicted MDL: 0.000076

Predicted MQL: 0.000253

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00042 | .000    | 1        |
| S1        | .00500       | .00494      | .000       | -1.28   | .01601 | .000    | 1        |
| S2        | .62500       | .65679      | .032       | 5.09    | 2.0775 | .006    | 1        |
| S3        | 1.2500       | 1.2925      | .043       | 3.40    | 4.0881 | .005    | 1        |
| S4        | 2.5000       | 2.5307      | .031       | 1.23    | 8.0043 | .018    | 1        |
| S5        | 5.0000       | 4.8950      | -.105      | -2.10   | 15.483 | .045    | 1        |

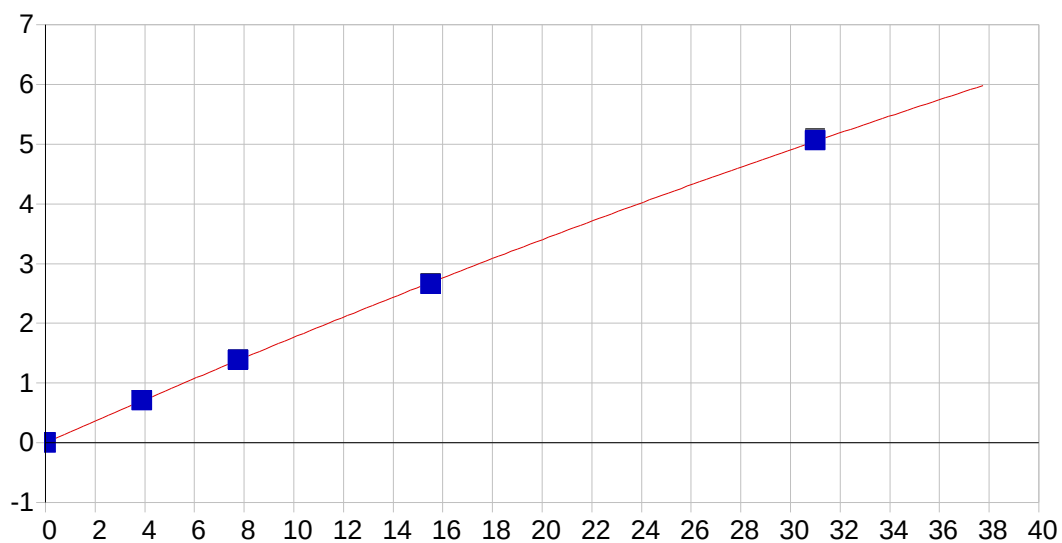


Ca 373.690 { 90}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002324 Re-Slope: 1.000000  
 A1 (Gain): 0.036969 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999764 Status: OK.  
 Std Error of Est: 0.002819  
 Predicted MDL: 0.023175  
 Predicted MQL: 0.077251

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00048     | .000       | .000    | .00231 | .001    | 1        |
| S1        | 5.0000       | 5.1349      | .135       | 2.70    | .19218 | .001    | 1        |
| S2        | 62.500       | 65.592      | 3.09       | 4.95    | 2.4355 | .006    | 1        |
| S3        | 125.00       | 130.10      | 5.10       | 4.08    | 4.8284 | .012    | 1        |
| S4        | 250.00       | 249.99      | -.006      | -.002   | 9.2773 | .022    | 1        |
| S5        | 500.00       | 485.52      | -14.5      | -2.90   | 18.017 | .044    | 1        |
| S6        | 800.00       | 806.15      | 6.15       | .769    | 29.980 | .017    | 1        |

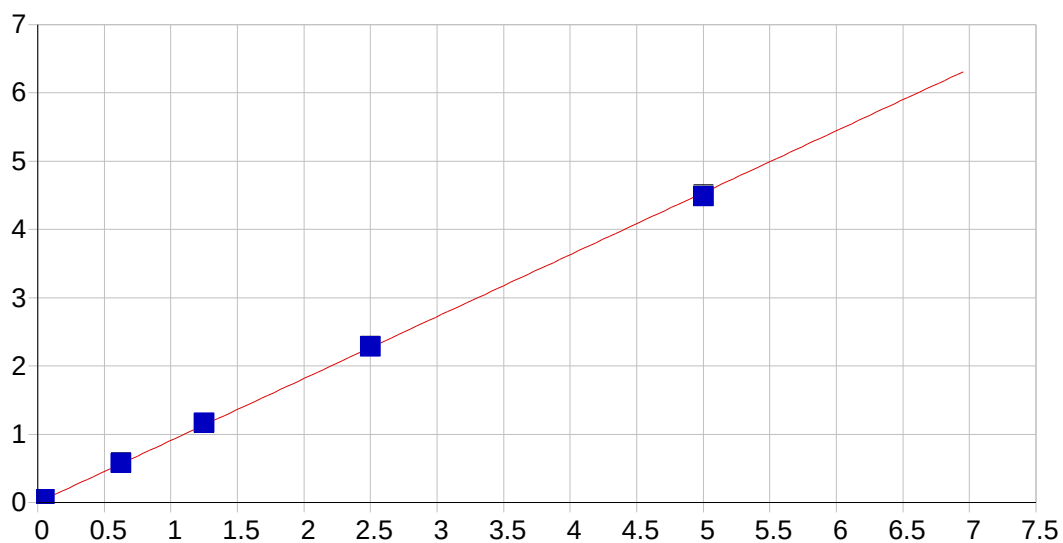


Cr 267.716 {126}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000022 Re-Slope: 1.000000  
 A1 (Gain): 0.183203 Y-int: 0.000000  
 A2 (Curvature): -0.000657  
 n (Exponent): 1.000000  
 Correlation: 0.999977 Status: OK.  
 Std Error of Est: 0.000040  
 Predicted MDL: 0.000487  
 Predicted MQL: 0.001623

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01000       | .01025      | .000       | 2.53    | .00186  | .000    | 1        |
| S2        | 3.8750       | 3.9234      | .048       | 1.25    | .70990  | .001    | 1        |
| S3        | 7.7500       | 7.7958      | .046       | .591    | 1.3908  | .001    | 1        |
| S4        | 15.500       | 15.334      | -.166      | -1.07   | 2.6598  | .003    | 1        |
| S5        | 31.000       | 31.074      | .074       | .237    | 5.0686  | .017    | 1        |

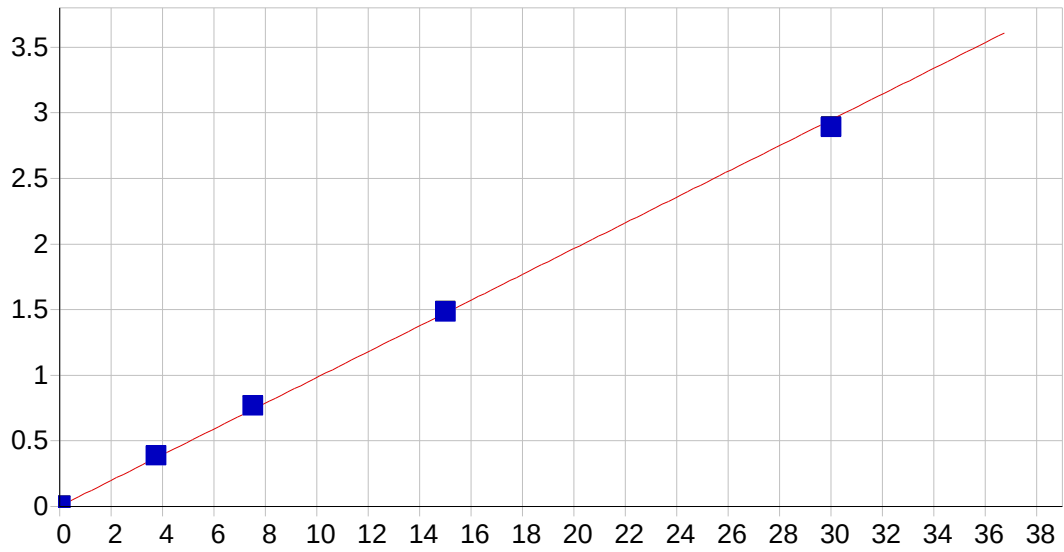


Co 228.616 {448}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000356 Re-Slope: 1.000000  
 A1 (Gain): 0.907597 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999873 Status: OK.  
 Std Error of Est: 0.000385  
 Predicted MDL: 0.000259  
 Predicted MQL: 0.000864

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00036 | .000    | 1        |
| S1        | .05000       | .04670      | -.003      | -6.60   | .04291 | .000    | 1        |
| S2        | .62500       | .63962      | .015       | 2.34    | .58200 | .002    | 1        |
| S3        | 1.2500       | 1.2872      | .037       | 2.98    | 1.1709 | .001    | 1        |
| S4        | 2.5000       | 2.5105      | .011       | .420    | 2.2834 | .006    | 1        |
| S5        | 5.0000       | 4.9410      | -.059      | -1.18   | 4.4938 | .011    | 1        |

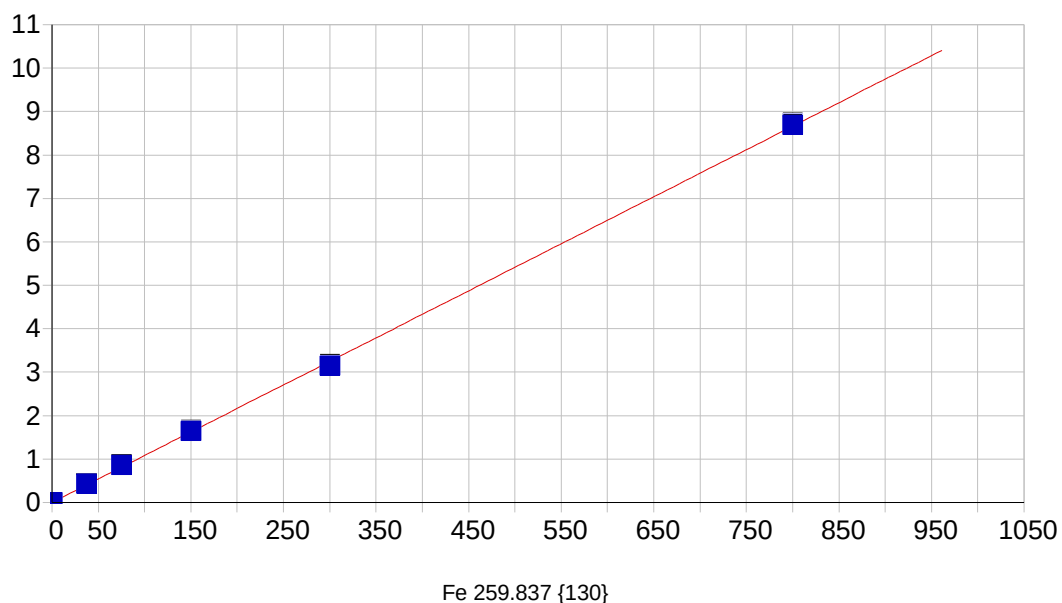


Cu 324.754 {104}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001755 Re-Slope: 1.000000  
 A1 (Gain): 0.098153 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999697 Status: OK.  
 Std Error of Est: 0.000111  
 Predicted MDL: 0.005484  
 Predicted MQL: 0.018279

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00176 | .000    | 1        |
| S1        | .02500       | .01731      | -.008      | -30.7   | .00345 | .000    | 1        |
| S2        | 3.7500       | 3.9310      | .181       | 4.83    | .38736 | .001    | 1        |
| S3        | 7.5000       | 7.7983      | .298       | 3.98    | .76672 | .002    | 1        |
| S4        | 15.000       | 15.092      | .092       | .610    | 1.4821 | .005    | 1        |
| S5        | 30.000       | 29.437      | -.563      | -1.88   | 2.8892 | .002    | 1        |



Date of Fit: 10/25/2018 14:24:55

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000347

Re-Slope: 1.000000

A1 (Gain): 0.010829

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999760

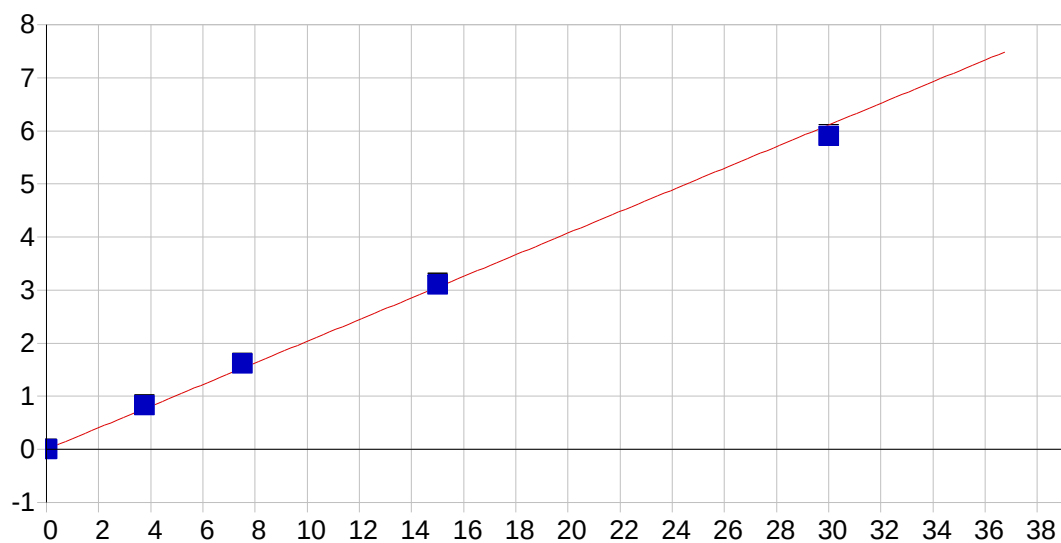
Status: OK.

Std Error of Est: 0.000104

Predicted MDL: 0.025198

Predicted MQL: 0.083992

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00035 | .000    | 1        |
| S1        | .10000       | .09348      | -.007      | -6.52   | .00138 | .000    | 1        |
| S2        | 37.500       | 39.431      | 1.93       | 5.15    | .42951 | .001    | 1        |
| S3        | 75.000       | 79.219      | 4.22       | 5.63    | .86253 | .012    | 1        |
| S4        | 150.00       | 151.43      | 1.43       | .955    | 1.6488 | .013    | 1        |
| S5        | 300.00       | 290.45      | -9.55      | -3.18   | 3.1630 | .018    | 1        |
| S6        | 800.00       | 801.97      | 1.97       | .246    | 8.7239 | .022    | 1        |

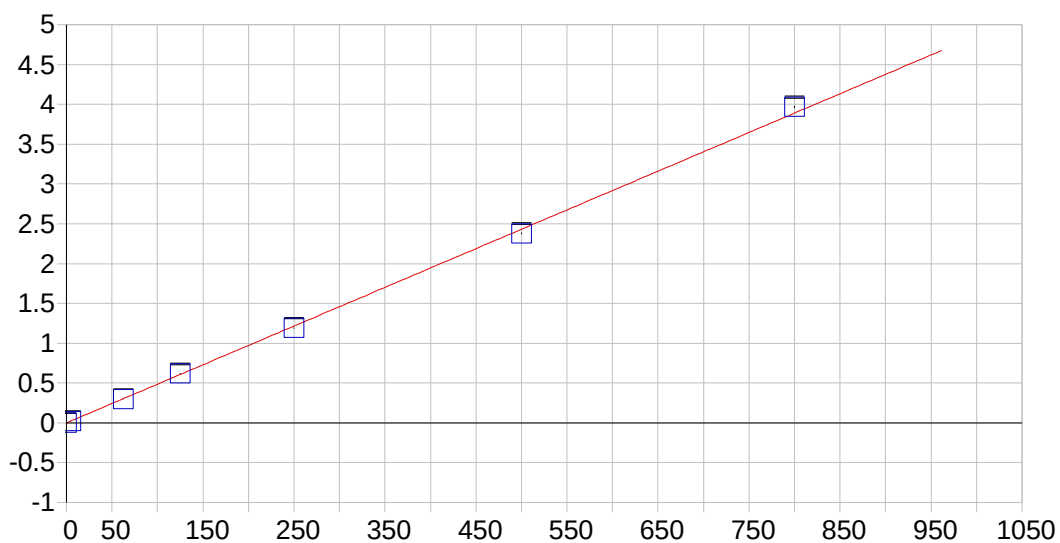


Mn 257.610 {131}

Date of Fit: 10/25/2018 14:24:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |                    |
|-------------------|-----------|--------------------|
| A0 (Offset):      | -0.000017 | Re-Slope: 1.000000 |
| A1 (Gain):        | 0.203702  | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000  |                    |
| n (Exponent):     | 1.000000  |                    |
| Correlation:      | 0.999192  | Status: OK.        |
| Std Error of Est: | 0.000291  |                    |
| Predicted MDL:    | 0.001416  |                    |
| Predicted MQL:    | 0.004720  |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01500       | .01591      | .001       | 6.09    | .00322  | .000    | 1        |
| S2        | 3.7500       | 4.0704      | .320       | 8.54    | .82930  | .007    | 1        |
| S3        | 7.5000       | 7.9400      | .440       | 5.87    | 1.6177  | .009    | 1        |
| S4        | 15.000       | 15.246      | .246       | 1.64    | 3.1063  | .025    | 1        |
| S5        | 30.000       | 28.993      | -1.01      | -3.36   | 5.9072  | .023    | 1        |



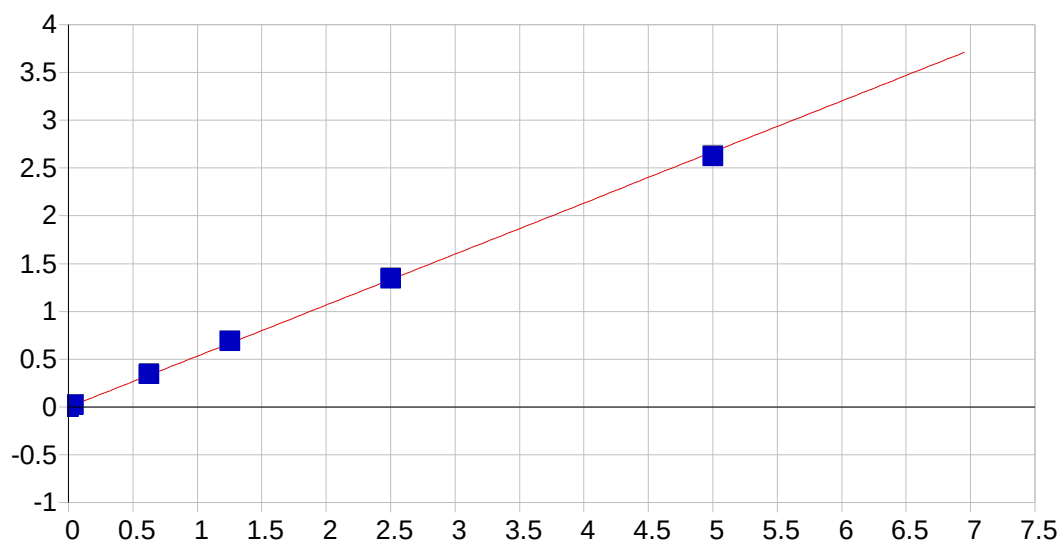
Mg 279.079 {121}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000297 Re-Slope: 1.000000  
 A1 (Gain): 0.004863 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999795 Status: OK.  
 Std Error of Est: 0.000344  
 Predicted MDL: 0.068634  
 Predicted MQL: 0.228779

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00044      | .000       | .000    | -.00029 | .000    | 1        |
| S1        | 5.0000       | 4.7039      | -.296      | -5.92   | .02258  | .000    | 1        |
| S2        | 62.500       | 61.237      | -1.26      | -2.02   | .29748  | .003    | 1        |
| S3        | 125.00       | 126.73      | 1.73       | 1.39    | .61596  | .008    | 1        |
| S4        | 250.00       | 244.98      | -5.02      | -2.01   | 1.1910  | .010    | 1        |
| S5        | 500.00       | 489.11      | -10.9      | -2.18   | 2.3781  | .010    | 1        |
| S6        | 800.00       | 815.74      | 15.7       | 1.97    | 3.9664  | .013    | 1        |



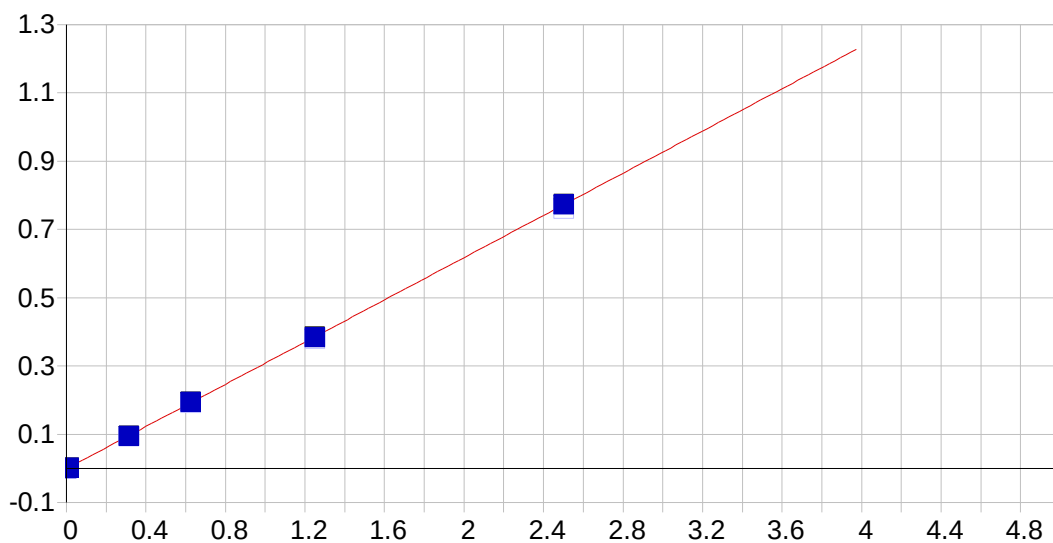


Ni 231.604 {446}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001595 Re-Slope: 1.000000  
 A1 (Gain): 0.533860 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999798 Status: OK.  
 Std Error of Est: 0.000256  
 Predicted MDL: 0.000451  
 Predicted MQL: 0.001505

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00160 | .000    | 1        |
| S1        | .04000       | .03993      | .000       | -.166   | .01973  | .000    | 1        |
| S2        | .62500       | .64629      | .021       | 3.41    | .34412  | .001    | 1        |
| S3        | 1.2500       | 1.2943      | .044       | 3.55    | .69077  | .001    | 1        |
| S4        | 2.5000       | 2.5180      | .018       | .722    | 1.3454  | .004    | 1        |
| S5        | 5.0000       | 4.9164      | -.084      | -1.67   | 2.6285  | .006    | 1        |

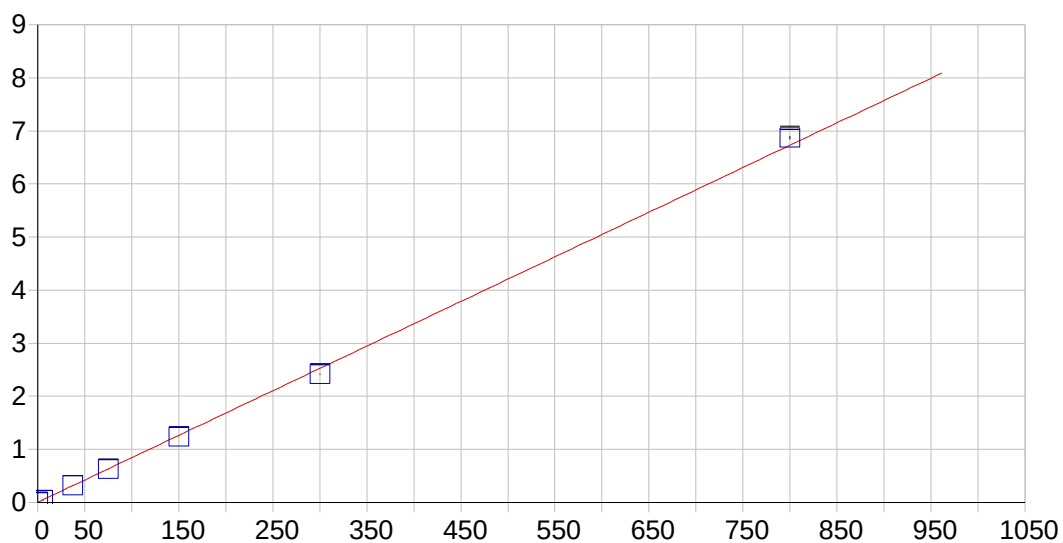


Ag 328.068 {103}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001063 Re-Slope: 1.000000  
 A1 (Gain): 0.309253 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.000016  
 Predicted MDL: 0.000468  
 Predicted MQL: 0.001559

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00106 | .000    | 1        |
| S1        | .01000       | .00949      | -.001      | -5.11   | .00185  | .000    | 1        |
| S2        | .31250       | .30904      | -.003      | -1.11   | .09304  | .000    | 1        |
| S3        | .62500       | .63278      | .008       | 1.24    | .19168  | .000    | 1        |
| S4        | 1.2500       | 1.2456      | -.004      | -.351   | .37826  | .001    | 1        |
| S5        | 2.5000       | 2.5006      | .001       | .024    | .76048  | .002    | 1        |

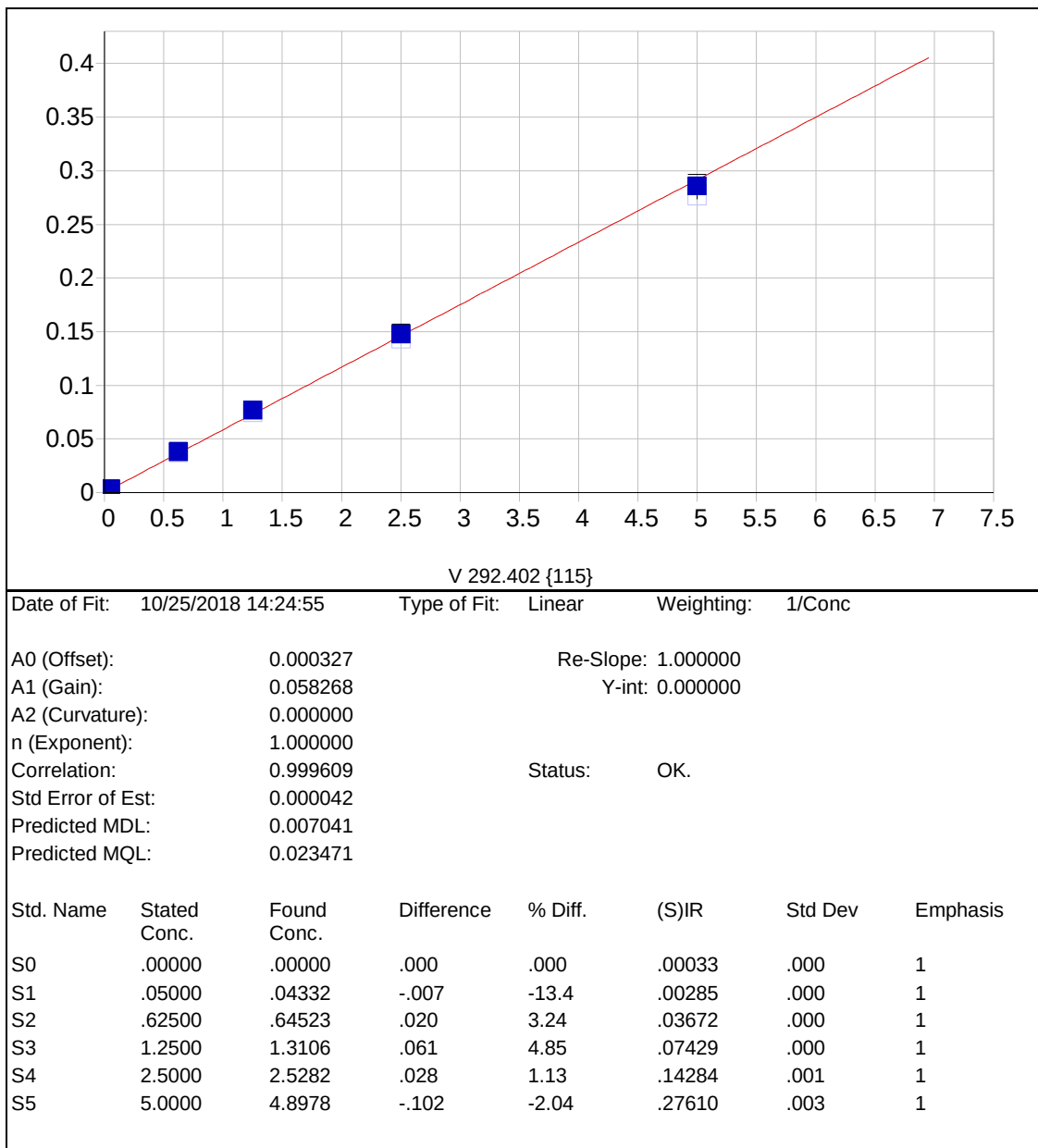


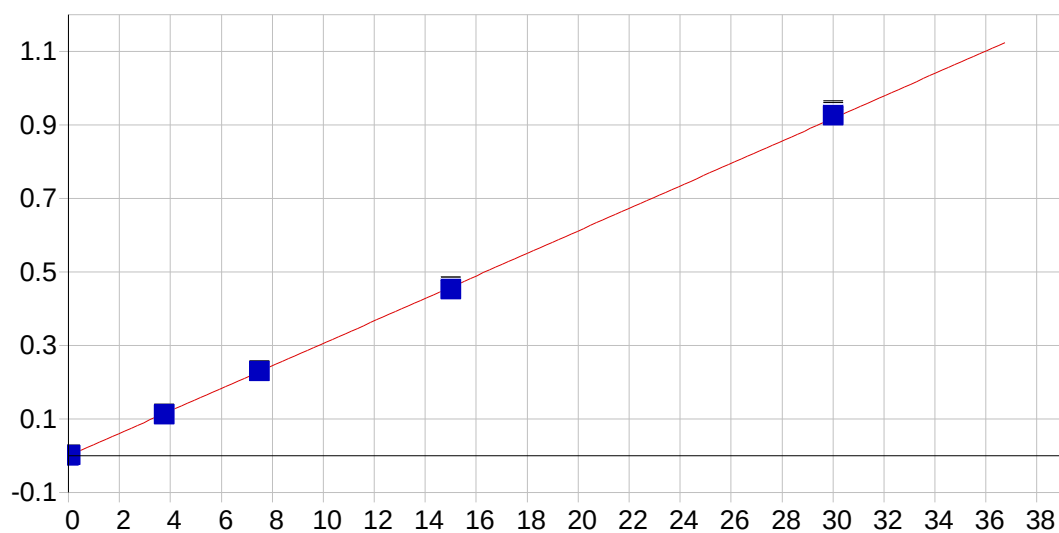
Na 818.326 { 41}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003096 Re-Slope: 1.000000  
 A1 (Gain): 0.008409 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999630 Status: OK.  
 Std Error of Est: 0.000707  
 Predicted MDL: 0.317303  
 Predicted MQL: 1.057676

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00066      | .001       | .000    | .00310 | .003    | 1        |
| S1        | 5.0000       | 4.5965      | -.403      | -8.07   | .04175 | .000    | 1        |
| S2        | 37.500       | 37.450      | -.050      | -.134   | .31801 | .001    | 1        |
| S3        | 75.000       | 74.410      | -.590      | -.786   | .62881 | .004    | 1        |
| S4        | 150.00       | 146.72      | -3.28      | -2.19   | 1.2368 | .004    | 1        |
| S5        | 300.00       | 287.28      | -12.7      | -4.24   | 2.4188 | .011    | 1        |
| S6        | 800.00       | 817.05      | 17.0       | 2.13    | 6.8736 | .028    | 1        |



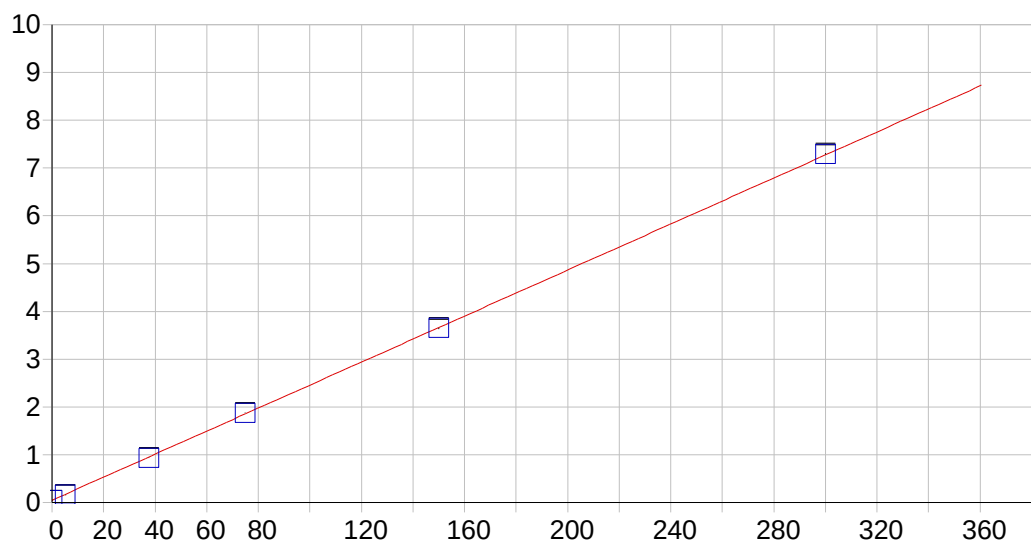


Zn 213.856 {158}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000276 Re-Slope: 1.000000  
 A1 (Gain): 0.030597 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999951 Status: OK.  
 Std Error of Est: 0.000022  
 Predicted MDL: 0.012777  
 Predicted MQL: 0.042589

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00028 | .000    | 1        |
| S1        | .06000       | .06078      | .001       | 1.31    | .00159  | .000    | 1        |
| S2        | 3.7500       | 3.6853      | -.065      | -1.72   | .11302  | .001    | 1        |
| S3        | 7.5000       | 7.4987      | -.001      | -.017   | .23024  | .001    | 1        |
| S4        | 15.000       | 14.812      | -.188      | -1.25   | .45509  | .004    | 1        |
| S5        | 30.000       | 30.253      | .253       | .843    | .92969  | .009    | 1        |

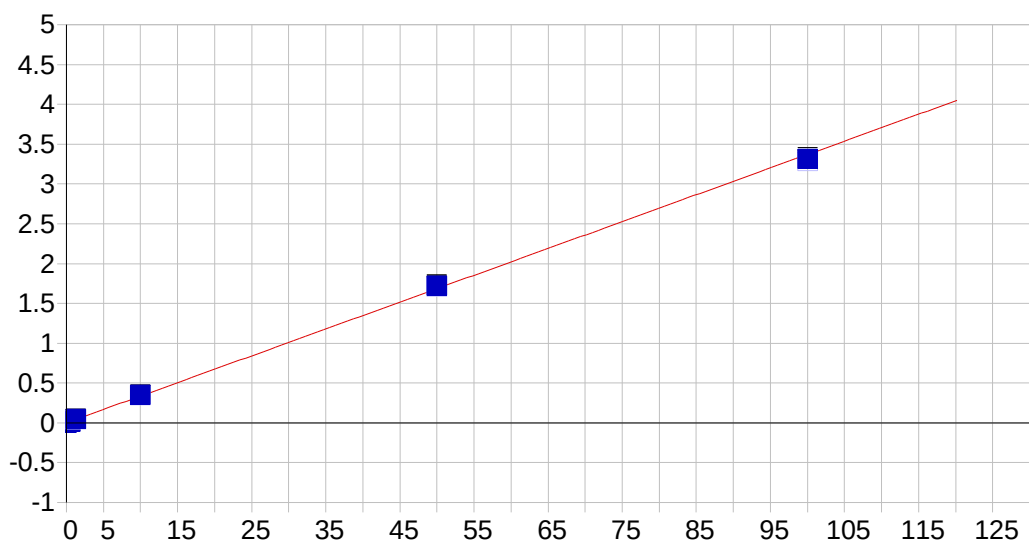


K 769.896 { 44}

Date of Fit: 10/25/2018 14:24:55      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |                    |
|-------------------|----------|--------------------|
| A0 (Offset):      | 0.048225 | Re-Slope: 1.000000 |
| A1 (Gain):        | 0.024085 | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000 |                    |
| n (Exponent):     | 1.000000 |                    |
| Correlation:      | 0.999958 | Status: OK.        |
| Std Error of Est: | 0.000452 |                    |
| Predicted MDL:    | 0.086626 |                    |
| Predicted MQL:    | 0.288752 |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00039      | .000       | .000    | .04823 | .000    | 1        |
| S1        | 5.0000       | 4.6611      | -.339      | -6.78   | .16049 | .001    | 1        |
| S2        | 37.500       | 36.830      | -.670      | -1.79   | .93528 | .005    | 1        |
| S3        | 75.000       | 75.720      | .720       | .960    | 1.8719 | .005    | 1        |
| S4        | 150.00       | 149.38      | -.615      | -.410   | 3.6461 | .014    | 1        |
| S5        | 300.00       | 300.90      | .904       | .301    | 7.2955 | .019    | 1        |

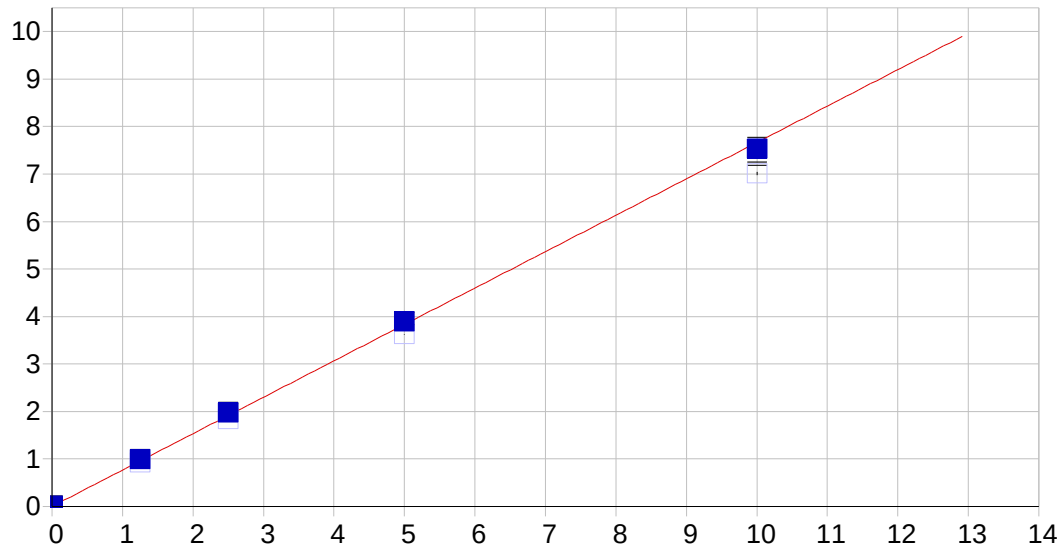


P 177.495 {490}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001014 Re-Slope: 1.000000  
 A1 (Gain): 0.033713 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999712 Status: OK.  
 Std Error of Est: 0.000279  
 Predicted MDL: 0.002960  
 Predicted MQL: 0.009868

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00005     | .000       | .000    | -.00102 | .000    | 1        |
| S1        | .50000       | .47077      | -.029      | -5.85   | .01484  | .000    | 1        |
| S2        | 1.2500       | 1.3847      | .135       | 10.8    | .04213  | .000    | 1        |
| S3        | 10.000       | 10.475      | .475       | 4.75    | .34505  | .001    | 1        |
| S4        | 50.000       | 51.109      | 1.11       | 2.22    | 1.7078  | .010    | 1        |
| S5        | 100.00       | 98.327      | -1.67      | -1.67   | 3.2855  | .018    | 1        |



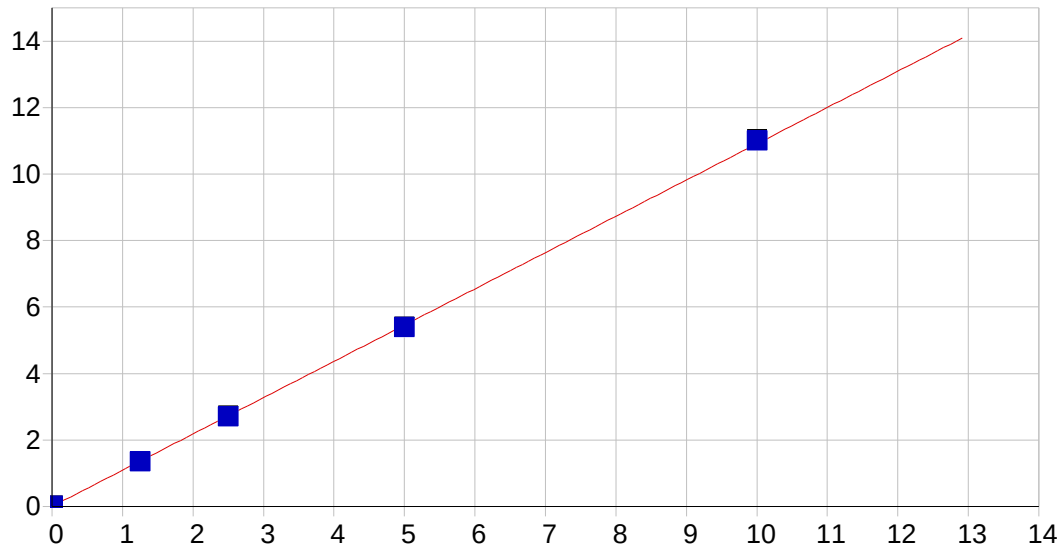
B 249.678 {135}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002250 Re-Slope: 1.000000  
 A1 (Gain): 0.766278 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999778 Status: OK.  
 Std Error of Est: 0.000252  
 Predicted MDL: 0.001000  
 Predicted MQL: 0.003334

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00225 | .000    | 1        |
| S1        | .01000       | .00890      | -.001      | -11.0   | .00895 | .001    | 1        |
| S2        | 1.2500       | 1.2894      | .039       | 3.15    | .92478 | .005    | 1        |
| S3        | 2.5000       | 2.5676      | .068       | 2.71    | 1.8387 | .016    | 1        |
| S4        | 5.0000       | 5.0696      | .070       | 1.39    | 3.6249 | .008    | 1        |
| S5        | 10.000       | 9.8245      | -.176      | -1.76   | 7.0064 | .035    | 1        |



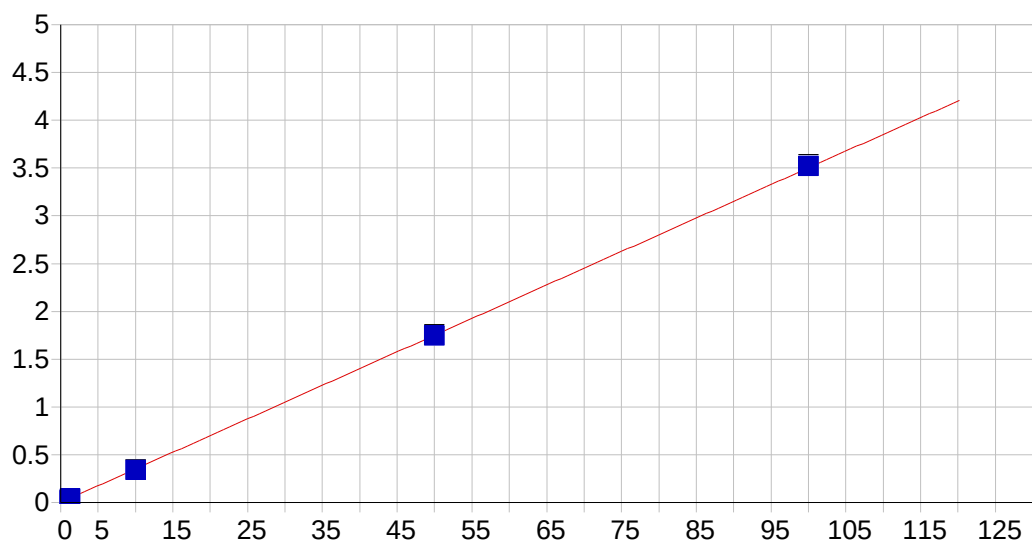


Mo 202.030 {467}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000714 Re-Slope: 1.000000  
 A1 (Gain): 1.091085 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999952 Status: OK.  
 Std Error of Est: 0.000178  
 Predicted MDL: 0.000243  
 Predicted MQL: 0.000811

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00071 | .000    | 1        |
| S1        | .01000       | .00956      | .000       | -4.36   | .01114 | .000    | 1        |
| S2        | 1.2500       | 1.2372      | -.013      | -1.02   | 1.3506 | .004    | 1        |
| S3        | 2.5000       | 2.4870      | -.013      | -.519   | 2.7141 | .007    | 1        |
| S4        | 5.0000       | 4.9375      | -.062      | -1.25   | 5.3878 | .014    | 1        |
| S5        | 10.000       | 10.089      | .089       | .886    | 11.008 | .038    | 1        |

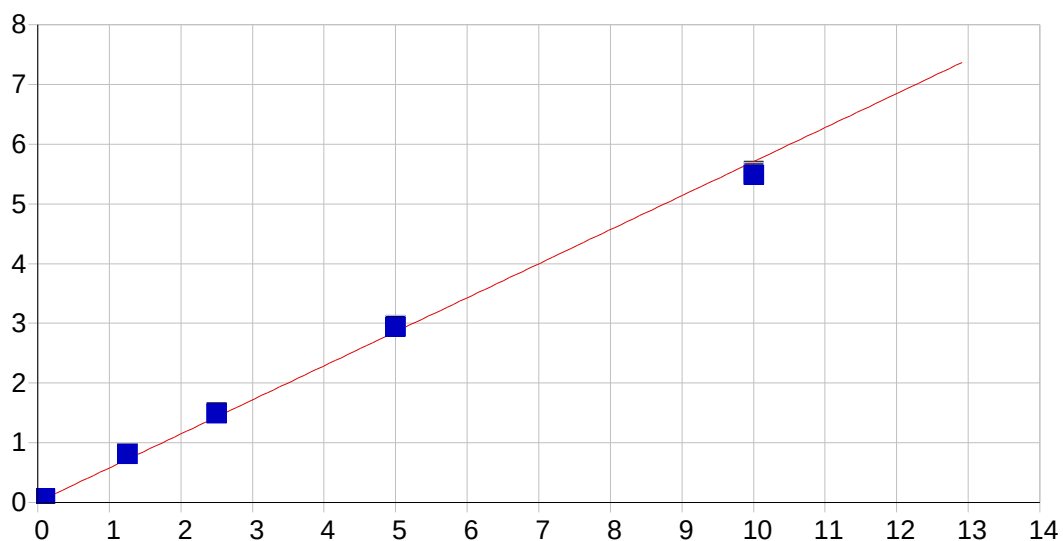


S 182.034 {485}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000213 Re-Slope: 1.000000  
 A1 (Gain): 0.035015 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920 Status: OK.  
 Std Error of Est: 0.000154  
 Predicted MDL: 0.003634  
 Predicted MQL: 0.012112

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00011      | .000       | .000    | .00022 | .000    | 1        |
| S1        | .50000       | .42239      | -.078      | -15.5   | .01500 | .000    | 1        |
| S2        | 1.2500       | 1.1989      | -.051      | -4.09   | .04221 | .000    | 1        |
| S3        | 10.000       | 9.7171      | -.283      | -2.83   | .34049 | .001    | 1        |
| S4        | 50.000       | 49.841      | -.159      | -.317   | 1.7455 | .011    | 1        |
| S5        | 100.00       | 100.57      | .570       | .570    | 3.5219 | .016    | 1        |



Si 251.611 {134}

Date of Fit: 10/25/2018 14:24:55

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.008455

Re-Slope: 1.000000

A1 (Gain): 0.569882

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.998896

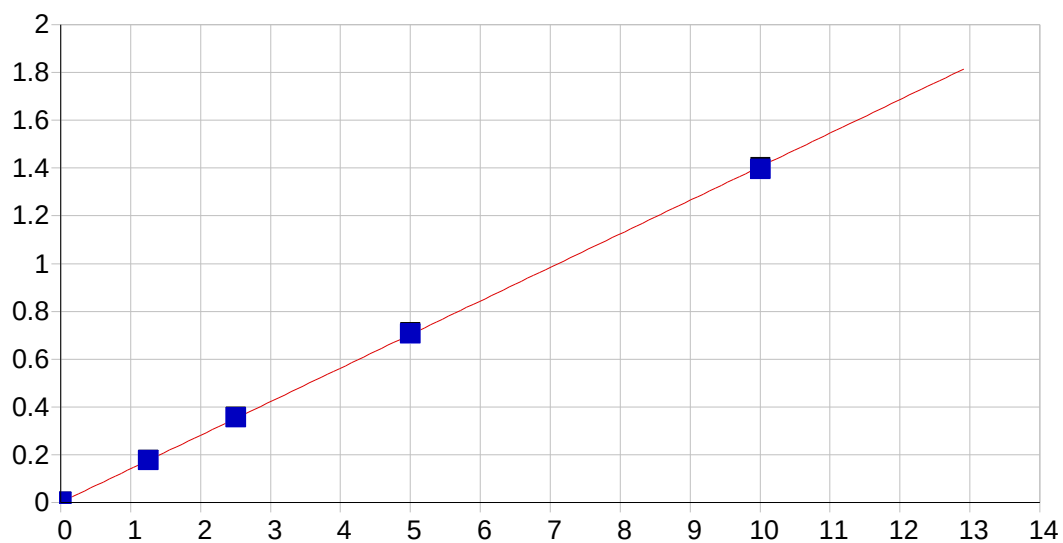
Status: OK.

Std Error of Est: 0.001436

Predicted MDL: 0.001222

Predicted MQL: 0.004073

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00845 | .000    | 1        |
| S1        | .10000       | .09819      | -.002      | -1.81   | .06461 | .001    | 1        |
| S2        | 1.2500       | 1.4062      | .156       | 12.5    | .81568 | .001    | 1        |
| S3        | 2.5000       | 2.5912      | .091       | 3.65    | 1.4968 | .012    | 1        |
| S4        | 5.0000       | 5.1452      | .145       | 2.90    | 2.9640 | .006    | 1        |
| S5        | 10.000       | 9.6092      | -.391      | -3.91   | 5.5313 | .016    | 1        |

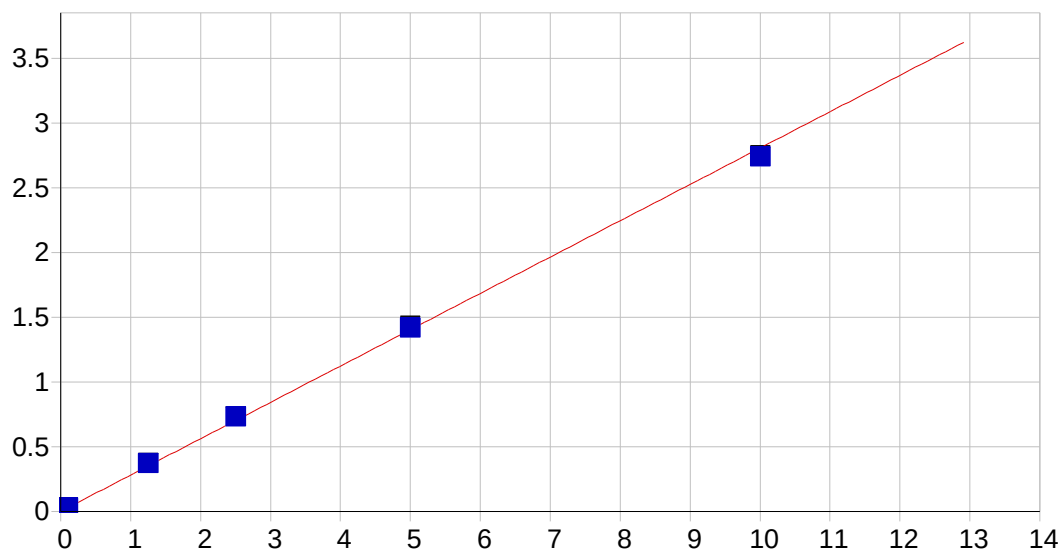


Sn 189.989 {478}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000501 Re-Slope: 1.000000  
 A1 (Gain): 0.140497 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000907  
 Predicted MQL: 0.003022

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00050 | .000    | 1        |
| S1        | .00700       | .00537      | -.002      | -23.3   | .00122 | .000    | 1        |
| S2        | 1.2500       | 1.2529      | .003       | .235    | .17615 | .001    | 1        |
| S3        | 2.5000       | 2.5347      | .035       | 1.39    | .35584 | .001    | 1        |
| S4        | 5.0000       | 5.0300      | .030       | .600    | .70565 | .004    | 1        |
| S5        | 10.000       | 9.9340      | -.066      | -.660   | 1.3931 | .006    | 1        |

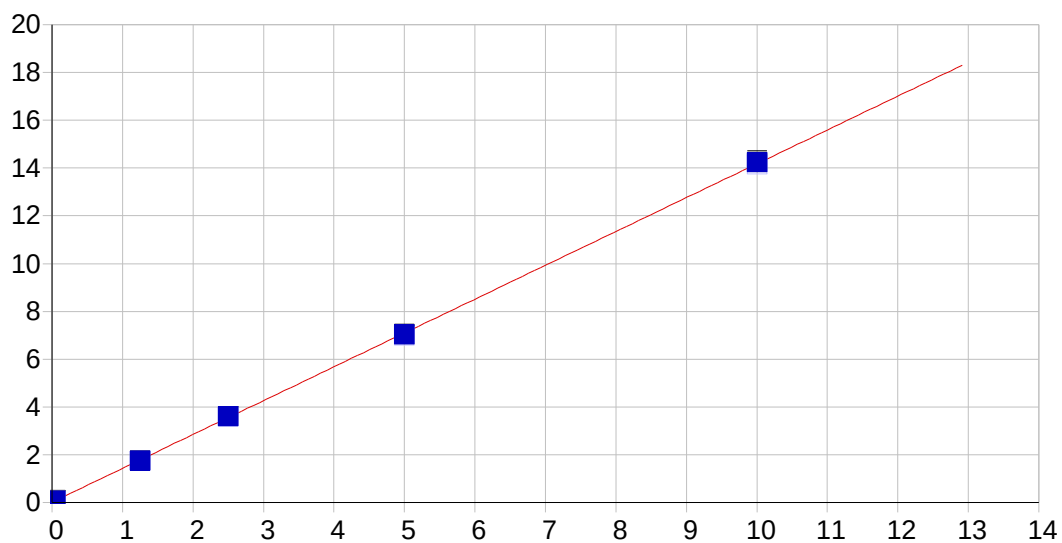


Ti 336.121 {100}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000942 Re-Slope: 1.000000  
 A1 (Gain): 0.280519 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999622 Status: OK.  
 Std Error of Est: 0.000410  
 Predicted MDL: 0.002460  
 Predicted MQL: 0.008201

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00094 | .000    | 1        |
| S1        | .10000       | .09823      | -.002      | -1.77   | .02849 | .001    | 1        |
| S2        | 1.2500       | 1.3191      | .069       | 5.53    | .37084 | .002    | 1        |
| S3        | 2.5000       | 2.6041      | .104       | 4.16    | .73117 | .003    | 1        |
| S4        | 5.0000       | 5.0596      | .060       | 1.19    | 1.4197 | .012    | 1        |
| S5        | 10.000       | 9.7690      | -.231      | -2.31   | 2.7403 | .006    | 1        |

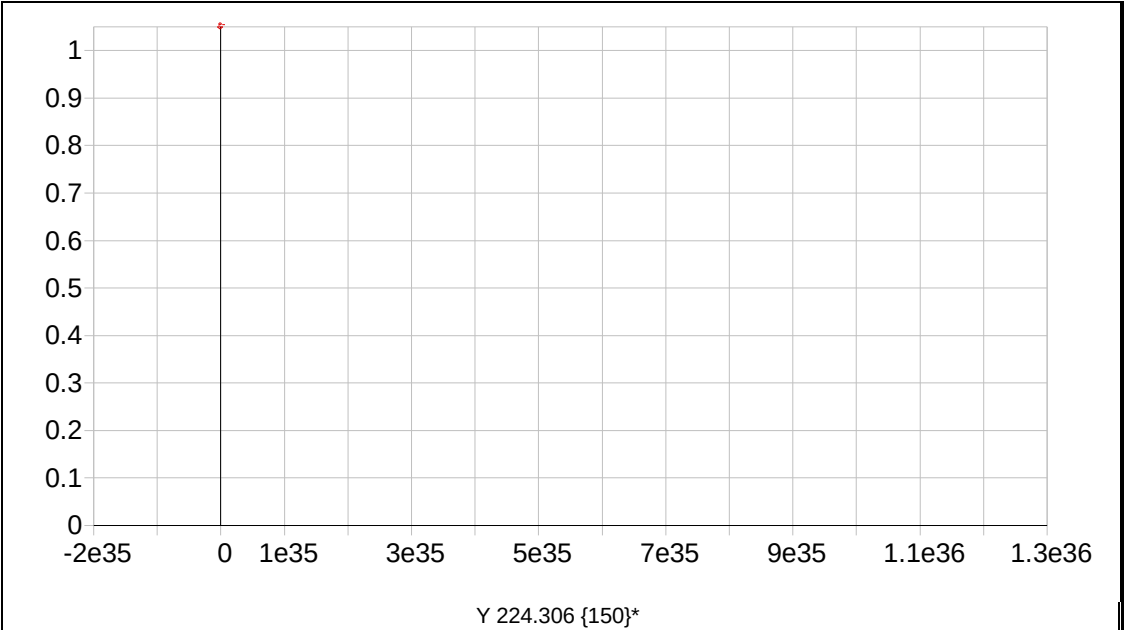


Li 670.784 { 50}

Date of Fit: 10/25/2018 14:24:55 Type of Fit: Linear Weighting: 1/Conc

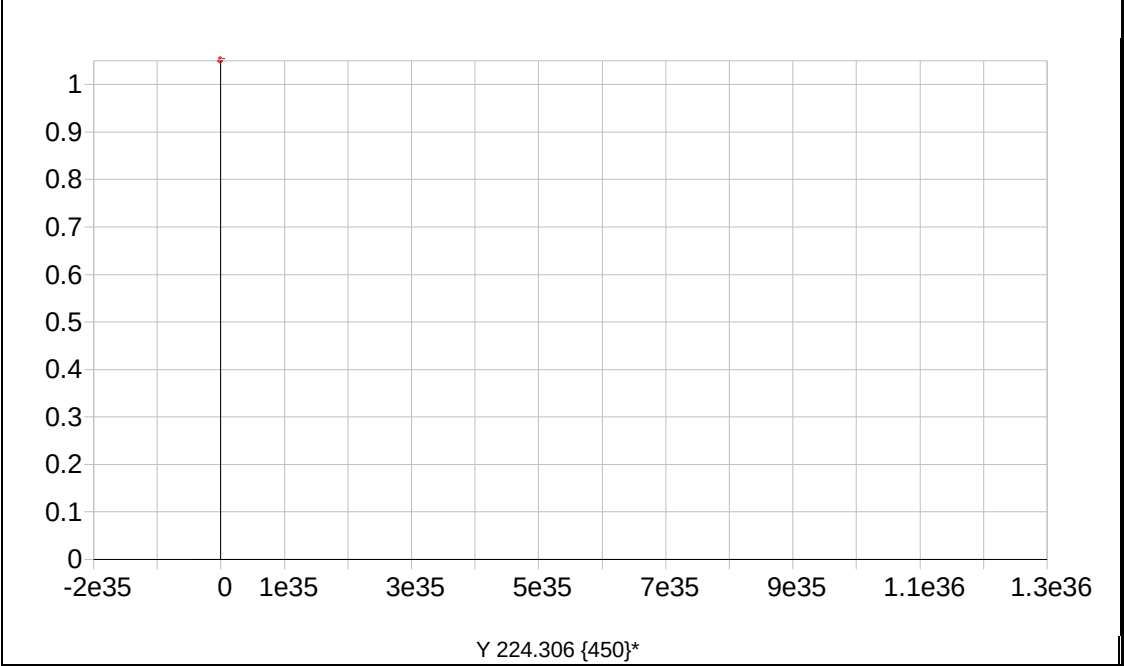
A0 (Offset): 0.013959 Re-Slope: 1.000000  
 A1 (Gain): 1.416293 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942 Status: OK.  
 Std Error of Est: 0.000567  
 Predicted MDL: 0.001917  
 Predicted MQL: 0.006389

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .01397 | .001    | 1        |
| S5        | 10.000       | 10.039      | .039       | .392    | 14.153 | .072    | 1        |
| S4        | 5.0000       | 4.9542      | -.046      | -.917   | 6.9907 | .013    | 1        |
| S3        | 2.5000       | 2.5383      | .038       | 1.53    | 3.5890 | .007    | 1        |
| S2        | 1.2500       | 1.2227      | -.027      | -2.18   | 1.7358 | .006    | 1        |
| S1        | .05000       | .04561      | -.004      | -8.77   | .07842 | .003    | 1        |

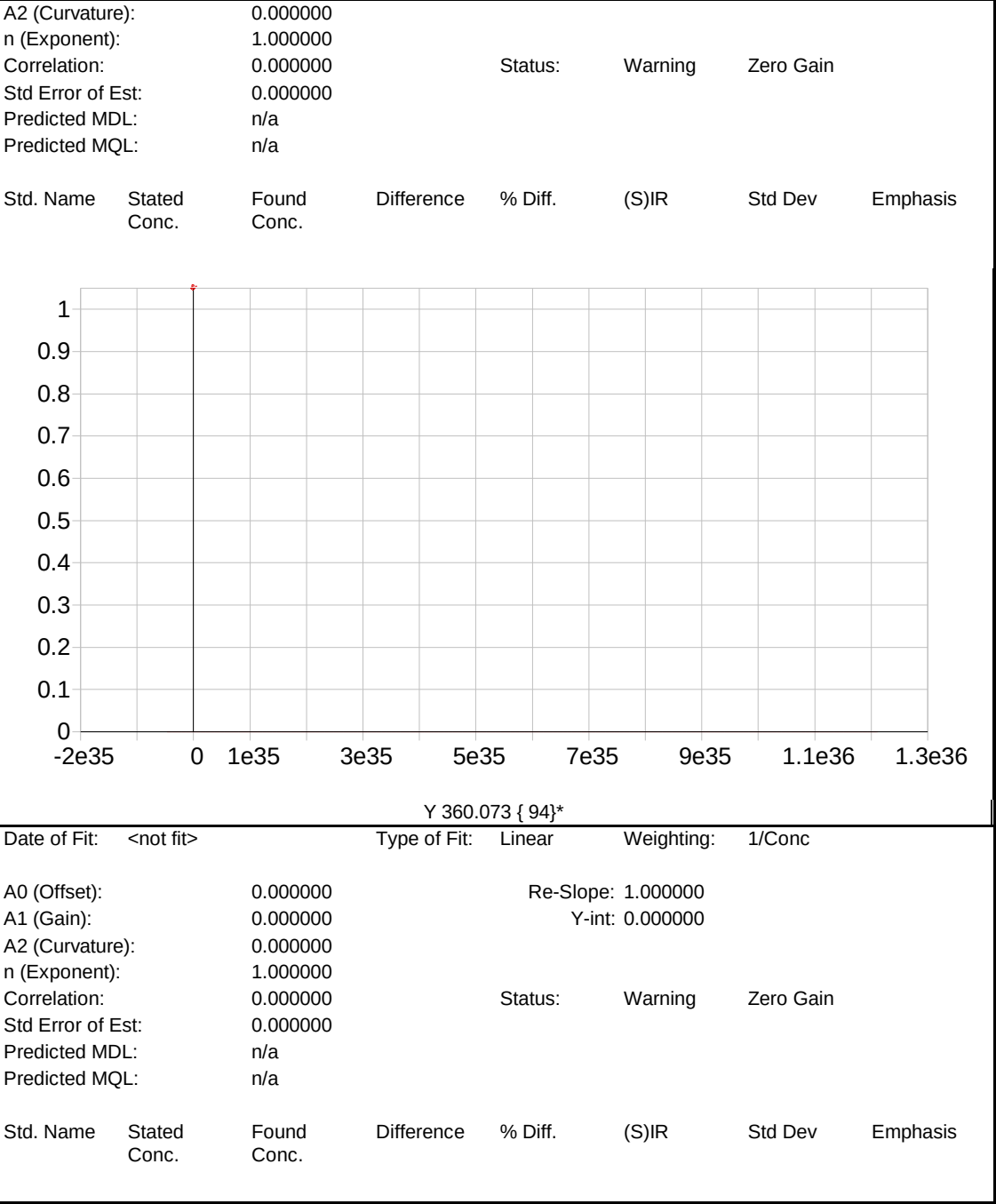


|                   |          |           |                   |
|-------------------|----------|-----------|-------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: | 1.000000          |
| A1 (Gain):        | 0.000000 | Y-int:    | 0.000000          |
| A2 (Curvature):   | 0.000000 |        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

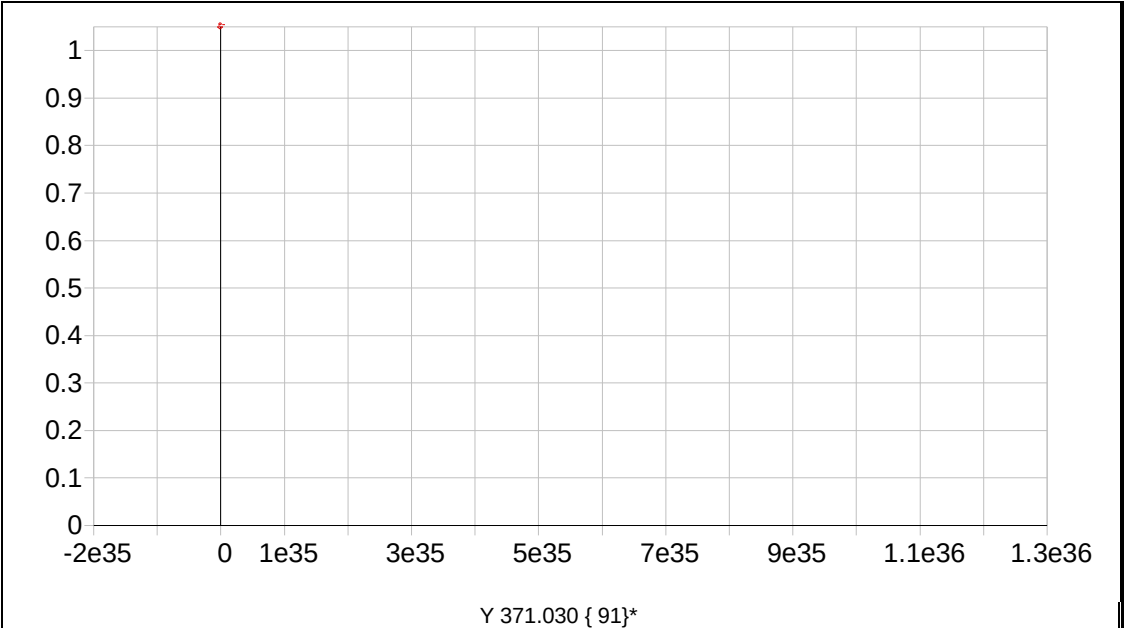
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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



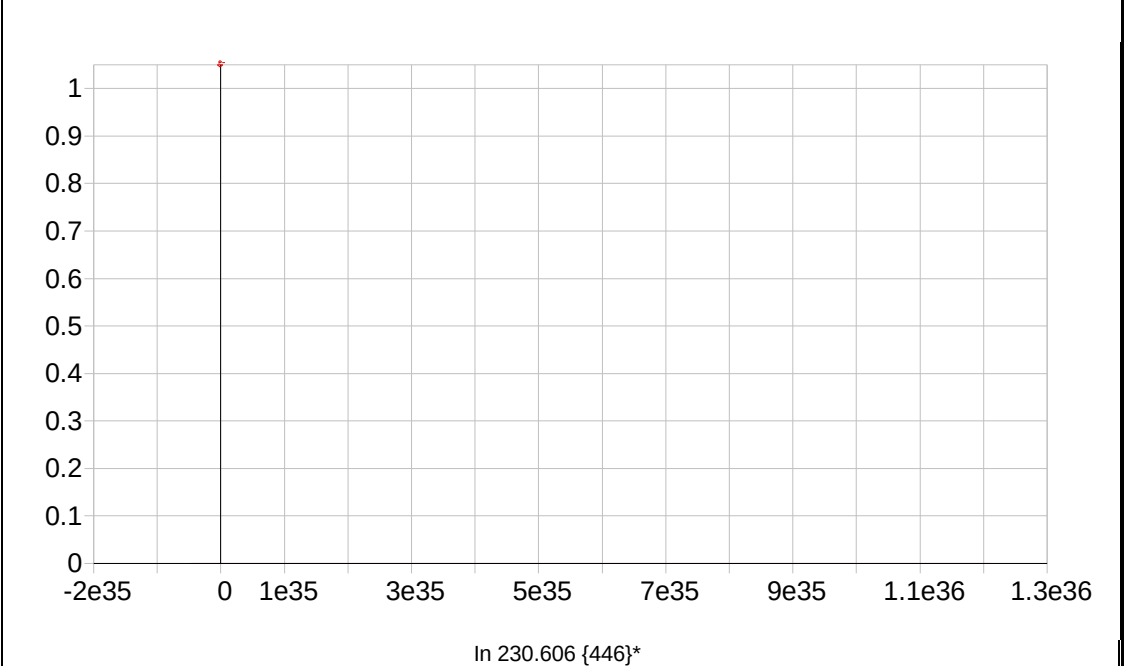




Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

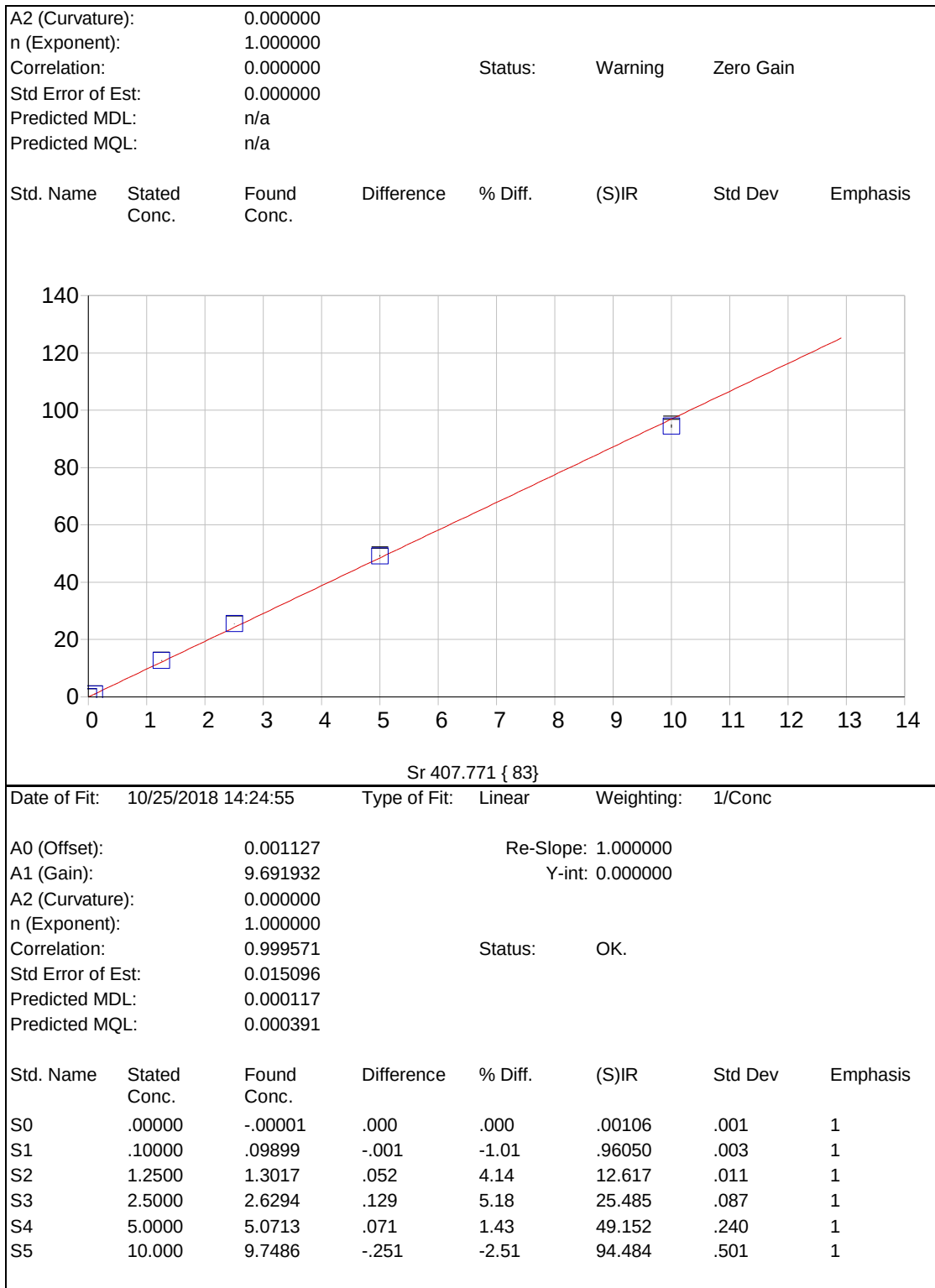
A0 (Offset): 0.000000      Re-Slope: 1.000000  
A1 (Gain): 0.000000      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.000000      Status: Warning      Zero Gain  
Std Error of Est: 0.000000  
Predicted MDL: n/a  
Predicted MQL: n/a

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



Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

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



Sample Name: S0      Acquired: 10/25/2018 11:32:57      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | -.00031 | -.00036 | -.00018 | .00067 | .00049 | .00358 | .02037 | -.00419 |
| Stddev | .00003  | .00013  | .00035  | .00016 | .00004 | .00142 | .00566 | .00075  |
| %RSD   | 9.3750  | 36.600  | 197.00  | 23.505 | 7.5017 | 39.721 | 27.788 | 17.912  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00029 | -.00040 | .00010  | .00051 | .00046 | .00332 | .01916 | -.00342 |
| #2 | -.00029 | -.00047 | -.00057 | .00067 | .00053 | .00230 | .01542 | -.00424 |
| #3 | -.00034 | -.00021 | -.00007 | .00083 | .00047 | .00511 | .02654 | -.00492 |

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| 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    | .00042 | .00231 | -.00002 | .00036 | .00176 | .00035 | -.00002 | -.00029 |
| Stddev | .00007 | .00095 | .00006  | .00020 | .00030 | .00022 | .00011  | .00016  |
| %RSD   | 16.968 | 41.267 | 264.19  | 55.703 | 17.295 | 64.014 | 613.47  | 54.899  |

|    |        |        |         |        |        |        |         |         |
|----|--------|--------|---------|--------|--------|--------|---------|---------|
| #1 | .00037 | .00143 | .00004  | .00056 | .00167 | .00043 | .00009  | -.00035 |
| #2 | .00038 | .00218 | -.00004 | .00035 | .00150 | .00009 | -.00001 | -.00042 |
| #3 | .00050 | .00332 | -.00007 | .00016 | .00209 | .00051 | -.00013 | -.00011 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| 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    | -.00160 | -.00106 | .00310 | .00033 | -.00028 | .04823 | -.00102 | .00225 |
| Stddev | .00024  | .00007  | .00263 | .00022 | .00009  | .00049 | .00009  | .00033 |
| %RSD   | 14.846  | 6.4640  | 84.879 | 68.115 | 32.189  | 1.0059 | 8.6571  | 14.505 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.00147 | -.00108 | .00023 | .00054 | -.00037 | .04786 | -.00091 | .00239 |
| #2 | -.00187 | -.00112 | .00541 | .00035 | -.00020 | .04878 | -.00106 | .00248 |
| #3 | -.00145 | -.00099 | .00366 | .00009 | -.00026 | .04806 | -.00107 | .00188 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .00071 | .00022 | .00845 | .00050 | .00094 | .01397 | .00106 |  |
| Stddev | .00027 | .00012 | .00027 | .00011 | .00034 | .00143 | .00090 |  |
| %RSD   | 37.812 | 54.170 | 3.2271 | 22.406 | 36.190 | 10.220 | 85.010 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00054 | .00008 | .00873 | .00062 | .00116 | .01378 | .00071 |  |
| #2 | .00058 | .00027 | .00819 | .00039 | .00055 | .01264 | .00208 |  |
| #3 | .00103 | .00030 | .00841 | .00049 | .00111 | .01548 | .00038 |  |

Sample Name: S0      Acquired: 10/25/2018 11:32:57      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 2176.9 | 2507.7 | 46072. | 4267.0 | 3634.6 |
| Stddev    | 8.0    | 4.4    | 265.   | 48.3   | 2.0    |
| %RSD      | .36876 | .17674 | .57517 | 1.1320 | .05468 |
| #1        | 2178.6 | 2508.4 | 45960. | 4322.2 | 3636.8 |
| #2        | 2183.9 | 2511.8 | 46375. | 4232.7 | 3632.9 |
| #3        | 2168.1 | 2503.0 | 45882. | 4246.0 | 3634.1 |

Sample Name: S1      Acquired: 10/25/2018 11:37:05      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .00002 | .00101 | .00178 | .00427 | .00990 | .01960 | .78620 | .05133 |
| Stddev | .00011 | .00022 | .00031 | .00016 | .00018 | .00021 | .00568 | .00034 |
| %RSD   | 539.38 | 22.149 | 17.568 | 3.7506 | 1.7977 | 1.0855 | .72214 | .66751 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00013  | .00102 | .00191 | .00430 | .01010 | .01940 | .78031 | .05106 |
| #2 | -.00009 | .00122 | .00201 | .00410 | .00986 | .01983 | .79163 | .05122 |
| #3 | .00001  | .00078 | .00143 | .00441 | .00975 | .01956 | .78666 | .05172 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01601 | .19218 | .00186 | .04291 | .00345 | .00138 | .00322 | .02258 |
| Stddev | .00021 | .00075 | .00002 | .00047 | .00016 | .00001 | .00017 | .00043 |
| %RSD   | 1.2966 | .38809 | 1.0484 | 1.0953 | 4.6266 | .93550 | 5.3031 | 1.9234 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01597 | .19141 | .00184 | .04284 | .00363 | .00140 | .00338 | .02246 |
| #2 | .01582 | .19224 | .00188 | .04341 | .00337 | .00138 | .00326 | .02306 |
| #3 | .01623 | .19289 | .00186 | .04248 | .00335 | .00137 | .00304 | .02221 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01973 | .00185 | .04175 | .00285 | .00159 | .16049 | .01484 | .00895 |
| Stddev | .00015 | .00012 | .00027 | .00025 | .00017 | .00115 | .00008 | .00087 |
| %RSD   | .75835 | 6.7506 | .65725 | 8.9266 | 10.856 | .71939 | .56368 | 9.7688 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01990 | .00196 | .04206 | .00296 | .00177 | .16115 | .01477 | .00794 |
| #2 | .01960 | .00172 | .04156 | .00256 | .00157 | .15915 | .01481 | .00951 |
| #3 | .01971 | .00187 | .04163 | .00302 | .00143 | .16116 | .01493 | .00939 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .01114 | .01500 | .06461 | .00122 | .02849 | .07842 | .96050 |  |
| Stddev | .00008 | .00009 | .00068 | .00015 | .00057 | .00298 | .00322 |  |
| %RSD   | .68506 | .61006 | 1.0450 | 12.592 | 2.0018 | 3.8038 | .33480 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .01110 | .01508 | .06396 | .00113 | .02821 | .07918 | .96395 |  |
| #2 | .01110 | .01503 | .06457 | .00113 | .02811 | .08094 | .95760 |  |
| #3 | .01123 | .01490 | .06531 | .00139 | .02914 | .07513 | .95994 |  |

Sample Name: S1      Acquired: 10/25/2018 11:37:05      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 2145.4 | 2498.8 | 45629. | 4269.9 | 3657.8 |
| Stddev    | 14.4   | 1.7    | 75.    | 32.3   | 6.3    |
| %RSD      | .67129 | .06987 | .16437 | .75603 | .17264 |
|           |        |        |        |        |        |
| #1        | 2153.9 | 2496.8 | 45628. | 4281.3 | 3652.9 |
| #2        | 2128.7 | 2500.0 | 45555. | 4295.0 | 3664.9 |
| #3        | 2153.5 | 2499.6 | 45705. | 4233.5 | 3655.6 |

Sample Name: S2      Acquired: 10/25/2018 11:41:13      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .05559 | .08071 | 1.3958 | .13066 | .21216 | 3.1512 | 9.9290 | 1.4808 |
| Stddev | .00016 | .00023 | .0038  | .00042 | .00041 | .0107  | .0330  | .0069  |
| %RSD   | .28490 | .27927 | .26955 | .31939 | .19513 | .33943 | .33221 | .46557 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05542 | .08050 | 1.3936 | .13034 | .21264 | 3.1471 | 9.9514 | 1.4751 |
| #2 | .05563 | .08095 | 1.3937 | .13052 | .21194 | 3.1634 | 9.9446 | 1.4885 |
| #3 | .05572 | .08069 | 1.4002 | .13113 | .21191 | 3.1432 | 9.8912 | 1.4787 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.0775 | 2.4355 | .70990 | .58200 | .38736 | .42951 | .82930 | .29748 |
| Stddev | .0062  | .0063  | .00147 | .00153 | .00066 | .00108 | .00688 | .00297 |
| %RSD   | .29789 | .25970 | .20646 | .26286 | .17131 | .25143 | .82916 | .99864 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0724 | 2.4391 | .70979 | .58115 | .38770 | .42990 | .82470 | .29548 |
| #2 | 2.0756 | 2.4391 | .70849 | .58108 | .38779 | .43034 | .82598 | .30089 |
| #3 | 2.0844 | 2.4281 | .71142 | .58376 | .38660 | .42829 | .83720 | .29605 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .34412 | .09304 | .31801 | .03672 | .11302 | .93528 | .04213 | .92478 |
| Stddev | .00094 | .00033 | .00138 | .00017 | .00106 | .00454 | .00011 | .00493 |
| %RSD   | .27278 | .35997 | .43440 | .46249 | .93374 | .48526 | .26428 | .53327 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34347 | .09274 | .31943 | .03653 | .11192 | .93089 | .04208 | .92013 |
| #2 | .34370 | .09340 | .31667 | .03684 | .11314 | .93995 | .04205 | .92995 |
| #3 | .34519 | .09297 | .31793 | .03679 | .11402 | .93500 | .04226 | .92426 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.3506 | .04221 | .81568 | .17615 | .37084 | 1.7358 | 12.617 |  |
| Stddev | .0039  | .00024 | .00138 | .00061 | .00156 | .0058  | .011   |  |
| %RSD   | .28535 | .57740 | .16956 | .34811 | .41994 | .33191 | .08665 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.3462 | .04196 | .81497 | .17544 | .37264 | 1.7358 | 12.613 |  |
| #2 | 1.3525 | .04222 | .81727 | .17651 | .36984 | 1.7415 | 12.630 |  |
| #3 | 1.3531 | .04245 | .81479 | .17649 | .37005 | 1.7300 | 12.609 |  |

Sample Name: S2      Acquired: 10/25/2018 11:41:13      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 2112.3 | 2413.6 | 45694. | 4297.3 | 3452.3 |
| Stddev    | 12.8   | 3.1    | 121.   | 17.8   | 6.1    |
| %RSD      | .60383 | .12654 | .26543 | .41452 | .17780 |
| #1        | 2123.5 | 2414.8 | 45713. | 4309.8 | 3454.6 |
| #2        | 2098.4 | 2415.9 | 45805. | 4276.9 | 3457.0 |
| #3        | 2115.1 | 2410.1 | 45565. | 4305.1 | 3445.4 |



Sample Name: S3      Acquired: 10/25/2018 11:45:06      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .11162 | .15934 | 2.8092 | .25152 | .42478 | 6.3556 | 20.052 | 2.9526 |
| Stddev | .00015 | .00019 | .0024  | .00075 | .00111 | .0362  | .033   | .0182  |
| %RSD   | .13203 | .11738 | .08436 | .29746 | .26132 | .57037 | .16275 | .61514 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11146 | .15912 | 2.8112 | .25073 | .42363 | 6.3311 | 20.046 | 2.9381 |
| #2 | .11163 | .15947 | 2.8066 | .25160 | .42486 | 6.3384 | 20.087 | 2.9467 |
| #3 | .11176 | .15943 | 2.8098 | .25222 | .42585 | 6.3972 | 20.023 | 2.9730 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 4.0881 | 4.8284 | 1.3908 | 1.1709 | .76672 | .86253 | 1.6177 | .61596 |
| Stddev | .0046  | .0118  | .0008  | .0014  | .00198 | .01246 | .0092  | .00754 |
| %RSD   | .11355 | .24515 | .05599 | .12422 | .25797 | 1.4451 | .56540 | 1.2248 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0857 | 4.8175 | 1.3899 | 1.1720 | .76500 | .85845 | 1.6140 | .61206 |
| #2 | 4.0851 | 4.8410 | 1.3915 | 1.1692 | .76888 | .85262 | 1.6281 | .61116 |
| #3 | 4.0934 | 4.8268 | 1.3909 | 1.1714 | .76629 | .87653 | 1.6110 | .62465 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .69077 | .19168 | .62881 | .07429 | .23024 | 1.8719 | .34505 | 1.8387 |
| Stddev | .00141 | .00021 | .00446 | .00017 | .00082 | .0053  | .00144 | .0159  |
| %RSD   | .20479 | .10948 | .71004 | .22714 | .35431 | .28120 | .41835 | .86359 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .69008 | .19179 | .62636 | .07423 | .22947 | 1.8740 | .34349 | 1.8324 |
| #2 | .68983 | .19182 | .62610 | .07416 | .23015 | 1.8758 | .34530 | 1.8270 |
| #3 | .69240 | .19144 | .63396 | .07448 | .23110 | 1.8659 | .34635 | 1.8568 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 2.7141 | .34049 | 1.4968 | .35584 | .73117 | 3.5890 | 25.485 |  |
| Stddev | .0071  | .00146 | .0118  | .00094 | .00332 | .0069  | .087   |  |
| %RSD   | .26085 | .42813 | .79010 | .26382 | .45407 | .19126 | .34196 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.7073 | .33924 | 1.4934 | .35518 | .73036 | 3.5874 | 25.531 |  |
| #2 | 2.7137 | .34014 | 1.4871 | .35543 | .72833 | 3.5831 | 25.541 |  |
| #3 | 2.7214 | .34209 | 1.5100 | .35692 | .73482 | 3.5965 | 25.385 |  |

Sample Name: S3      Acquired: 10/25/2018 11:45:06      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 2038.6 | 2306.4 | 44986. | 4261.4 | 3272.9 |
| Stddev    | 10.9   | 3.3    | 244.   | 6.4    | 5.6    |
| %RSD      | .53459 | .14201 | .54188 | .15096 | .16993 |
| #1        | 2035.2 | 2309.0 | 44951. | 4254.2 | 3273.9 |
| #2        | 2029.9 | 2307.6 | 44761. | 4266.5 | 3277.9 |
| #3        | 2050.8 | 2302.7 | 45245. | 4263.5 | 3266.9 |

Sample Name: S4      Acquired: 10/25/2018 11:48:54      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .22546 | .30943 | 5.5130 | .49069 | .84510 | 12.501 | 39.104 | 5.5938 |
| Stddev | .00102 | .00172 | .0100  | .00073 | .00293 | .044   | .080   | .0168  |
| %RSD   | .45083 | .55495 | .18102 | .14871 | .34682 | .35186 | .20373 | .30011 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22466 | .30888 | 5.5138 | .49081 | .84386 | 12.527 | 39.113 | 5.6091 |
| #2 | .22511 | .30806 | 5.5027 | .48990 | .84298 | 12.450 | 39.020 | 5.5758 |
| #3 | .22660 | .31136 | 5.5226 | .49135 | .84844 | 12.525 | 39.179 | 5.5965 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 8.0043 | 9.2773 | 2.6598 | 2.2834 | 1.4821 | 1.6488 | 3.1063 | 1.1910 |
| Stddev | .0180  | .0215  | .0032  | .0062  | .0055  | .0132  | .0247  | .0095  |
| %RSD   | .22490 | .23197 | .11946 | .26934 | .36943 | .80125 | .79610 | .79910 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.9962 | 9.3016 | 2.6624 | 2.2845 | 1.4868 | 1.6536 | 3.1268 | 1.1939 |
| #2 | 7.9917 | 9.2696 | 2.6563 | 2.2767 | 1.4835 | 1.6339 | 3.1133 | 1.1803 |
| #3 | 8.0249 | 9.2607 | 2.6607 | 2.2889 | 1.4761 | 1.6590 | 3.0788 | 1.1987 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.3454 | .37826 | 1.2368 | .14284 | .45509 | 3.6461 | 1.7078 | 3.6249 |
| Stddev | .0041  | .00106 | .0041  | .00072 | .00407 | .0137  | .0103  | .0078  |
| %RSD   | .30392 | .28113 | .33250 | .50073 | .89343 | .37671 | .60263 | .21428 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3422 | .37786 | 1.2411 | .14233 | .45915 | 3.6616 | 1.7011 | 3.6313 |
| #2 | 1.3440 | .37745 | 1.2329 | .14253 | .45102 | 3.6414 | 1.7027 | 3.6162 |
| #3 | 1.3500 | .37946 | 1.2365 | .14365 | .45509 | 3.6354 | 1.7197 | 3.6271 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 5.3878 | 1.7455 | 2.9640 | .70565 | 1.4197 | 6.9907 | 49.152 |  |
| Stddev | .0137  | .0107  | .0061  | .00395 | .0116  | .0129  | .240   |  |
| %RSD   | .25347 | .61577 | .20507 | .55930 | .81859 | .18463 | .48824 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 5.3787 | 1.7391 | 2.9624 | .70233 | 1.4325 | 7.0010 | 49.399 |  |
| #2 | 5.3811 | 1.7394 | 2.9588 | .70460 | 1.4168 | 6.9762 | 49.136 |  |
| #3 | 5.4035 | 1.7579 | 2.9707 | .71001 | 1.4098 | 6.9949 | 48.920 |  |

Sample Name: S4      Acquired: 10/25/2018 11:48:54      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 1939.8 | 2165.6 | 44317. | 4180.1 | 3062.6 |
| Stddev    | 11.9   | 2.2    | 239.   | 21.5   | 5.6    |
| %RSD      | .61105 | .10063 | .53929 | .51488 | .18262 |
| #1        | 1930.1 | 2167.9 | 44118. | 4155.3 | 3069.0 |
| #2        | 1936.2 | 2165.1 | 44251. | 4194.3 | 3059.6 |
| #3        | 1953.0 | 2163.7 | 44582. | 4190.6 | 3059.1 |

Sample Name: S5      Acquired: 10/25/2018 11:52:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .46604 | .58948 | 10.909 | .96824 | 1.7446 | 24.952 | 74.893 | 10.723 |
| Stddev | .00177 | .00307 | .019   | .00388 | .0055  | .109   | .044   | .023   |
| %RSD   | .37938 | .52101 | .16972 | .40070 | .31592 | .43850 | .05926 | .21006 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .46483 | .58594 | 10.890 | .96453 | 1.7393 | 24.834 | 74.873 | 10.749 |
| #2 | .46522 | .59113 | 10.911 | .96792 | 1.7443 | 25.050 | 74.944 | 10.712 |
| #3 | .46807 | .59139 | 10.927 | .97227 | 1.7503 | 24.973 | 74.862 | 10.708 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 15.483 | 18.017 | 5.0686 | 4.4938 | 2.8892 | 3.1630 | 5.9072 | 2.3781 |
| Stddev | .045   | .044   | .0173  | .0109  | .0023  | .0177  | .0227  | .0098  |
| %RSD   | .28852 | .24228 | .34174 | .24345 | .07982 | .55888 | .38387 | .41326 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.437 | 17.967 | 5.0491 | 4.4811 | 2.8886 | 3.1427 | 5.9333 | 2.3668 |
| #2 | 15.486 | 18.044 | 5.0822 | 4.4998 | 2.8918 | 3.1752 | 5.8921 | 2.3847 |
| #3 | 15.526 | 18.041 | 5.0745 | 4.5004 | 2.8873 | 3.1710 | 5.8963 | 2.3827 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.6285 | .76048 | 2.4188 | .27610 | .92969 | 7.2955 | 3.2855 | 7.0064 |
| Stddev | .0061  | .00168 | .0110  | .00256 | .00870 | .0189  | .0179  | .0347  |
| %RSD   | .23217 | .22149 | .45371 | .92674 | .93588 | .25940 | .54584 | .49469 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6220 | .76233 | 2.4063 | .27323 | .91967 | 7.2775 | 3.2674 | 7.0445 |
| #2 | 2.6296 | .75904 | 2.4235 | .27692 | .93409 | 7.3152 | 3.2860 | 6.9768 |
| #3 | 2.6341 | .76007 | 2.4267 | .27815 | .93531 | 7.2937 | 3.3032 | 6.9978 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 11.008 | 3.5219 | 5.5313 | 1.3931 | 2.7403 | 14.153 | 94.484 |  |
| Stddev | .038   | .0164  | .0156  | .0064  | .0062  | .072   | .501   |  |
| %RSD   | .34966 | .46438 | .28124 | .45780 | .22519 | .51098 | .53045 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 10.973 | 3.5057 | 5.5490 | 1.3870 | 2.7332 | 14.069 | 94.099 |  |
| #2 | 11.000 | 3.5215 | 5.5197 | 1.3926 | 2.7438 | 14.197 | 94.301 |  |
| #3 | 11.049 | 3.5384 | 5.5252 | 1.3997 | 2.7438 | 14.192 | 95.050 |  |

Sample Name: S5      Acquired: 10/25/2018 11:52:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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       | 1811.1 | 1963.6 | 43524. | 4164.7 | 2842.2 |
| Stddev    | 6.2    | 2.7    | 101.   | 4.9    | 4.9    |
| %RSD      | .34023 | .13552 | .23167 | .11805 | .17190 |
| #1        | 1817.2 | 1965.5 | 43636. | 4159.8 | 2847.5 |
| #2        | 1811.2 | 1964.7 | 43498. | 4164.5 | 2841.2 |
| #3        | 1804.9 | 1960.5 | 43439. | 4169.6 | 2837.9 |

Sample Name: S6      Acquired: 10/25/2018 11:56:45      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | 69.414 | 29.980 | 8.7239 | 3.9664 | 6.8736 |
| Stddev | .216   | .017   | .0216  | .0133  | .0282  |
| %RSD   | .31128 | .05654 | .24799 | .33425 | .40963 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 69.176 | 29.961 | 8.7027 | 3.9530 | 6.8411 |
| #2 | 69.470 | 29.988 | 8.7232 | 3.9666 | 6.8898 |
| #3 | 69.597 | 29.993 | 8.7459 | 3.9795 | 6.8899 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4032.5 |
| Stddev    | 14.0   |
| %RSD      | .34594 |

|    |        |
|----|--------|
| #1 | 4040.0 |
| #2 | 4016.4 |
| #3 | 4041.1 |

Sample Name: ICV      Acquired: 10/25/2018 12:00:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .9651037 | 1.061430 | .9791296 | .9891014 | .9249700 | 2.393819 |
| Stddev | .0011260 | .003464  | .0048059 | .0011397 | .0012115 | .008189  |
| %RSD   | .1166703 | .3263768 | .4908345 | .1152239 | .1309777 | .3420858 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9657349 | 1.058819 | .9745527 | .9891514 | .9255688 | 2.391363 |
| #2 | .9638037 | 1.060111 | .9787003 | .9879375 | .9235757 | 2.387140 |
| #3 | .9657725 | 1.065360 | .9841357 | .9902152 | .9257655 | 2.402955 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5248847 | .5141979 | .5190807 | 10.51729 | .5148379 | .5141267 |
| Stddev | .0015331 | .0017485 | .0007364 | .03846   | .0009053 | .0017349 |
| %RSD   | .2920771 | .3400507 | .1418604 | .3656396 | .1758418 | .3374436 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5252874 | .5152473 | .5182569 | 10.50244 | .5139454 | .5122248 |
| #2 | .5231905 | .5121794 | .5193102 | 10.48848 | .5157555 | .5145328 |
| #3 | .5261763 | .5151671 | .5196749 | 10.56096 | .5148129 | .5156226 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Cu3247     | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F .5433708 | 5.505603 | .5278238 | 5.855640 | .5248090 | .4820600 |
| Stddev | .0022082   | .019764  | .0037528 | .047829  | .0006517 | .0030844 |
| %RSD   | .4063948   | .3589861 | .7109970 | .8168014 | .1241757 | .6398454 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5409512 | 5.490115 | .5278905 | 5.826233 | .5242211 | .4798440 |
| #2 | .5452773 | 5.498830 | .5315429 | 5.910829 | .5246962 | .4807532 |
| #3 | .5438841 | 5.527863 | .5240382 | 5.829859 | .5255097 | .4855827 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.24402 | .5399590 | 1.011920 | 9.709348 | 49.75927 | 4.848697 |
| Stddev | .33450   | .0043273 | .005469  | .060695  | .13822   | .021447  |
| %RSD   | 3.265355 | .8014080 | .5404600 | .6251209 | .2777866 | .4423334 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.51008 | .5412081 | 1.006061 | 9.639420 | 49.63491 | 4.847787 |
| #2 | 9.86850  | .5351445 | 1.016890 | 9.748368 | 49.73481 | 4.827719 |
| #3 | 10.35348 | .5435243 | 1.012809 | 9.740257 | 49.90809 | 4.870585 |



Sample Name: ICV      Acquired: 10/25/2018 12:00:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | 4.702883 | 47.05745 | 4.848500 | 4.829639 | 5.084083 | .0162034 |
| Stddev | .007782  | .08534   | .021747  | .009922  | .007758  | .0009696 |
| %RSD   | .1654623 | .1813502 | .4485253 | .2054427 | .1525885 | 5.983827 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.703048 | 46.96369 | 4.853857 | 4.820896 | 5.088719 | .0172680 |
| #2 | 4.695021 | 47.07808 | 4.824575 | 4.827600 | 5.088401 | .0153710 |
| #3 | 4.710581 | 47.13059 | 4.867067 | 4.840423 | 5.075126 | .0159711 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0119448 |
| Stddev | .0000395 |
| %RSD   | .3307255 |

|    |          |
|----|----------|
| #1 | .0118993 |
| #2 | .0119660 |
| #3 | .0119692 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2166.711 | 2473.458 | 46188.46 | 4307.108 | 3636.875 |
| Stddev    | 9.088    | 9.046    | 172.60   | 22.805   | 6.197    |
| %RSD      | .4194219 | .3657117 | .3736888 | .5294787 | .1703810 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2157.141 | 2465.653 | 45994.56 | 4284.657 | 3632.155 |
| #2 | 2167.766 | 2483.372 | 46245.45 | 4330.252 | 3643.892 |
| #3 | 2175.225 | 2471.347 | 46325.35 | 4306.416 | 3634.577 |

Sample Name: ICB      Acquired: 10/25/2018 12:11:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | -.002475 | -.001136 | .0006558 | -.000720 | .0012412 | .0037662 | .0000258 |
| Stddev | .001946  | .001135  | .0003862 | .001606  | .0004394 | .0085116 | .0010443 |
| %RSD   | 78.63427 | 99.91610 | 58.88925 | 222.9402 | 35.40136 | 225.9999 | 4050.737 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004641 | .000008  | .0002115 | -.002540 | .0016996 | -.006044 | .0002358 |
| #2 | -.001909 | -.002262 | .0008451 | .000497  | .0008236 | .008156  | -.001108 |
| #3 | -.000875 | -.001153 | .0009108 | -.000118 | .0012006 | .009187  | .000949  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000132 | .0000391 | .0065899 | .0003488 | -.000269 | -.004877 | -.040895 |
| Stddev | .0000461 | .0000538 | .0231095 | .0002039 | .000018  | .000718  | .012644  |
| %RSD   | 349.1363 | 137.3947 | 350.6827 | 58.45279 | 6.828826 | 14.71926 | 30.91787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000023 | .0000514 | .0287538 | .0005638 | -.000267 | -.004104 | -.051169 |
| #2 | .000065  | .0000858 | -.017361 | .0001583 | -.000251 | -.005522 | -.026775 |
| #3 | -.000002 | -.000020 | .008377  | .0003244 | -.000288 | -.005004 | -.044743 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004672 | .0201250 | .0004539 | .0003184 | -.083274 | -.006510 | .0052785 |
| Stddev | .0014196 | .0203792 | .0002275 | .0002858 | .073405  | .006439  | .0069807 |
| %RSD   | 303.8773 | 101.2633 | 50.13463 | 89.78869 | 88.14880 | 98.91156 | 132.2464 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001172 | .0053319 | .0004593 | .0001121 | -.009807 | -.002539 | .0117683 |
| #2 | .001266  | .0433704 | .0006787 | .0001984 | -.083398 | -.003051 | -.002107 |
| #3 | .001308  | .0116727 | .0002237 | .0006446 | -.156616 | -.013940 | .006174  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.157738 | -.000188 | .0081996 | .0001043 | .0010554 | -.000152 | -.000426 |
| Stddev | .018155  | .001849  | .0005592 | .0002208 | .0027250 | .000886  | .000646  |
| %RSD   | 11.50936 | 985.8328 | 6.819636 | 211.6406 | 258.2040 | 581.0244 | 151.5283 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.176984 | .001137  | .0082898 | .0000061 | -.000275 | .000839  | -.000124 |
| #2 | -.140919 | -.002301 | .0076008 | -.000050 | -.000749 | -.000431 | .000013  |
| #3 | -.155311 | .000601  | .0087082 | .000357  | .004190  | -.000865 | -.001168 |

Sample Name: ICB      Acquired: 10/25/2018 12:11:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .0005388 | .0055917 | -.000068 |
| Stddev | .0018522 | .0014381 | .000043  |
| %RSD   | 343.7659 | 25.71891 | 62.89664 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000397 | .0060559 | -.000117 |
| #2 | .002672  | .0067404 | -.000048 |
| #3 | -.000658 | .0039788 | -.000039 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2155.528 | 2486.232 | 46038.60 | 4358.592 | 3648.383 |
| Stddev    | 17.906   | 3.083    | 291.92   | 18.865   | 7.847    |
| %RSD      | .8306956 | .1240039 | .6340702 | .4328264 | .2150738 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2146.332 | 2488.243 | 46071.23 | 4337.525 | 3652.703 |
| #2 | 2144.089 | 2487.771 | 45731.73 | 4364.325 | 3653.120 |
| #3 | 2176.164 | 2482.682 | 46312.83 | 4373.925 | 3639.326 |

Sample Name: ICSA      Acquired: 10/25/2018 12:15:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | <span style="color: red;">F</span> -.011321 | -.000789 | .0005522 | .0088510 | .0074010 | 252.4048 |
| Stddev | .002985                                     | .005312  | .0024474 | .0010987 | .0026308 | .7112    |
| %RSD   | 26.37112                                    | 673.3779 | 443.2395 | 12.41357 | 35.54657 | .2817867 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.013319 | -.003271 | .0030704 | .0098986 | .0043633 | 252.8520 |
| #2 | -.007889 | -.004405 | .0004037 | .0077074 | .0089404 | 251.5847 |
| #3 | -.012754 | .005310  | -.001818 | .0089469 | .0088994 | 252.7779 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071483 | .0010887 | -.000732 | 263.4950 | .0499616 | -.000174 |
| Stddev | .0006034 | .0000684 | .000114  | .3343    | .0007633 | .000405  |
| %RSD   | 8.440929 | 6.280810 | 15.52537 | .1268879 | 1.527742 | 232.8063 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0075712 | .0010803 | -.000644 | 263.2106 | .0491412 | .000205  |
| #2 | .0064573 | .0011609 | -.000860 | 263.8633 | .0500926 | -.000125 |
| #3 | .0074163 | .0010249 | -.000693 | 263.4112 | .0506508 | -.000601 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.006099 | 110.3041 | .0156717 | 273.9302 | .0021728 | .0029709 |
| Stddev | .000203  | .6172    | .0003153 | 1.2546   | .0006088 | .0002612 |
| %RSD   | 3.328546 | .5595309 | 2.012210 | .4580076 | 28.01814 | 8.792654 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.006287 | 110.5860 | .0159608 | 273.9487 | .0016060 | .0027414 |
| #2 | -.006126 | 109.5963 | .0153354 | 272.6665 | .0028163 | .0029162 |
| #3 | -.005884 | 110.7301 | .0157190 | 275.1755 | .0020960 | .0032552 |

|        |          |          |          |          |          |                                             |
|--------|----------|----------|----------|----------|----------|---------------------------------------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496                                      |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm                                         |
| Avg    | .7427958 | -.006095 | .0043509 | -.066235 | -.002491 | <span style="color: red;">F</span> .0970667 |
| Stddev | .0324557 | .003556  | .0073088 | .088145  | .002804  | .0018919                                    |
| %RSD   | 4.369395 | 58.33424 | 167.9839 | 133.0791 | 112.5384 | 1.949052                                    |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7053933 | -.005997 | .0041898 | -.137486 | -.003910 | .0992503 |
| #2 | .7635370 | -.009699 | -.002876 | -.093554 | .000738  | .0960301 |
| #3 | .7594572 | -.002590 | .011739  | .032335  | -.004302 | .0959197 |

Sample Name: ICSA      Acquired: 10/25/2018 12:15:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .0021199 | .0149000 | .0005209 | -.003812 | -.000301 | .0175927 |
| Stddev | .0003525 | .0079501 | .0010513 | .001229  | .002884  | .0013875 |
| %RSD   | 16.62781 | 53.35670 | 201.8069 | 32.24224 | 956.6992 | 7.886563 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0017778 | .0058004 | .0009015 | -.002484 | .003025  | .0181366 |
| #2 | .0021000 | .0183993 | -.000668 | -.004909 | -.001814 | .0186259 |
| #3 | .0024819 | .0205002 | .001329  | -.004043 | -.002115 | .0160157 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1088437 |
| Stddev | .0004495 |
| %RSD   | .4129442 |

|    |          |
|----|----------|
| #1 | .1085363 |
| #2 | .1093596 |
| #3 | .1086353 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2028.991 | 2289.339 | 44108.34 | 4163.273 | 3179.146 |
| Stddev    | 15.917   | 4.488    | 29.56    | 2.330    | 4.015    |
| %RSD      | .7844706 | .1960372 | .0670088 | .0559536 | .1262769 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2011.380 | 2284.307 | 44129.43 | 4162.622 | 3174.529 |
| #2 | 2033.244 | 2292.929 | 44121.04 | 4161.339 | 3181.816 |
| #3 | 2042.349 | 2290.780 | 44074.56 | 4165.859 | 3181.093 |

Sample Name: ICSAB      Acquired: 10/25/2018 12:19:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .0899565 | .1064412 | .0480232 | .0582371 | .6185889 | 252.9240 |
| Stddev | .0054082 | .0014175 | .0010771 | .0035378 | .0045677 | 1.6954   |
| %RSD   | 6.011990 | 1.331707 | 2.242873 | 6.074882 | .7384103 | .6703254 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0933348 | .1069152 | .0483668 | .0622679 | .6175759 | 251.8301 |
| #2 | .0837189 | .1075610 | .0488866 | .0556469 | .6146127 | 254.8770 |
| #3 | .0928158 | .1048475 | .0468162 | .0567964 | .6235781 | 252.0649 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5583513 | .5496716 | 1.062160 | 264.2516 | .5698930 | .5336319 |
| Stddev | .0021577 | .0033428 | .004396  | .5815    | .0010280 | .0019358 |
| %RSD   | .3864440 | .6081401 | .4138942 | .2200589 | .1803919 | .3627566 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5566694 | .5481983 | 1.060632 | 263.6410 | .5690294 | .5333083 |
| #2 | .5607841 | .5534980 | 1.058732 | 264.7988 | .5710302 | .5318782 |
| #3 | .5576002 | .5473186 | 1.067117 | 264.3149 | .5696194 | .5357090 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5474021 | 110.3447 | .5565869 | 273.3487 | 1.065631 | .2103838 |
| Stddev | .0058870 | .6539    | .0021785 | 2.0297   | .003041  | .0006931 |
| %RSD   | 1.075440 | .5925632 | .3914032 | .7425353 | .2853431 | .3294659 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5412903 | 110.1846 | .5564984 | 272.1697 | 1.064891 | .2111841 |
| #2 | .5478812 | 111.0637 | .5544539 | 275.6923 | 1.063029 | .2099735 |
| #3 | .5530349 | 109.7857 | .5588083 | 272.1839 | 1.068973 | .2099938 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .3317284 | .5561487 | 1.062550 | -.343514 | .0092648 | F .0993243 |
| Stddev | .4397304 | .0118066 | .015817  | .056584  | .0027645 | .0020796   |
| %RSD   | 132.5574 | 2.122925 | 1.488578 | 16.47197 | 29.83831 | 2.093780   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1134499 | .5577553 | 1.052229 | -.389065 | .0116893 | .1017087 |
| #2 | .0438428 | .5670697 | 1.054662 | -.280173 | .0062543 | .0983786 |
| #3 | .8378925 | .5436210 | 1.080760 | -.361305 | .0098508 | .0978856 |

Sample Name: ICSAB      Acquired: 10/25/2018 12:19:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      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    | .0069375 | .0094424 | .0059831 | .0019041 | .0064115 | .0149694 |
| Stddev | .0001693 | .0014645 | .0007214 | .0012990 | .0015630 | .0016881 |
| %RSD   | 2.440644 | 15.51027 | 12.05693 | 68.22419 | 24.37731 | 11.27676 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0067446 | .0089795 | .0056679 | .0006439 | .0068607 | .0133993 |
| #2 | .0070064 | .0082651 | .0068085 | .0018295 | .0046731 | .0147542 |
| #3 | .0070616 | .0110824 | .0054731 | .0032387 | .0077007 | .0167548 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1091208 |
| Stddev | .0004809 |
| %RSD   | .4407363 |

|    |          |
|----|----------|
| #1 | .1090523 |
| #2 | .1096323 |
| #3 | .1086778 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2045.675 | 2302.530 | 44762.70 | 4206.159 | 3211.572 |
| Stddev    | 10.925   | 5.132    | 177.34   | 16.621   | 10.008   |
| %RSD      | .5340567 | .2229042 | .3961866 | .3951695 | .3116273 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2041.767 | 2301.321 | 44849.35 | 4208.392 | 3209.124 |
| #2 | 2058.016 | 2308.159 | 44880.06 | 4188.534 | 3222.577 |
| #3 | 2037.241 | 2298.110 | 44558.69 | 4221.551 | 3203.015 |

Sample Name: CCV082      Acquired: 10/25/2018 12:27:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV082      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.702460 | 4.700487 | 24.02529 | 4.637350 | 4.729051 | 405.1860 | 9.836753 |
| Stddev | .017825  | .013898  | .04511   | .011265  | .004699  | 1.1761   | .015207  |
| %RSD   | .3790634 | .2956654 | .1877454 | .2429160 | .0993673 | .2902679 | .1545945 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.681954 | 4.690576 | 23.97960 | 4.628174 | 4.723653 | 406.3776 | 9.853903 |
| #2 | 4.711174 | 4.694513 | 24.02648 | 4.649922 | 4.732225 | 404.0260 | 9.831441 |
| #3 | 4.714253 | 4.716373 | 24.06979 | 4.633952 | 4.731276 | 405.1545 | 9.824914 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4953233 | 2.382136 | 391.8339 | 14.42980 | 2.427903 | 14.87143 | 418.1454 |
| Stddev | .0032228 | .004849  | .7942    | .01654   | .006502  | .03611   | 3.5304   |
| %RSD   | .6506388 | .2035452 | .2026925 | .1146094 | .2678179 | .2427871 | .8443048 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4931388 | 2.381055 | 391.0445 | 14.44788 | 2.422590 | 14.87006 | 422.0964 |
| #2 | .4990246 | 2.377919 | 391.8245 | 14.42606 | 2.425966 | 14.83603 | 415.3003 |
| #3 | .4938065 | 2.387434 | 392.6329 | 14.41545 | 2.435154 | 14.90820 | 417.0394 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.66324 | 407.6793 | 2.403404 | 1.236515 | 407.2010 | 2.489880 | 14.97879 |
| Stddev | .09611   | 2.4502   | .005266  | .003118  | .9607    | .020000  | .10964   |
| %RSD   | .6554633 | .6010197 | .2191108 | .2521276 | .2359389 | .8032533 | .7319647 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.59801 | 410.3731 | 2.403222 | 1.235048 | 407.9656 | 2.508984 | 15.06092 |
| #2 | 14.61809 | 405.5832 | 2.398232 | 1.234402 | 406.1226 | 2.469091 | 14.85429 |
| #3 | 14.77361 | 407.0816 | 2.408759 | 1.240096 | 407.5149 | 2.491565 | 15.02117 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 150.5204 | 50.79862 | 5.246352 | 4.718576 | 49.27119 | 4.954022 | 4.794247 |
| Stddev | .3265    | .10648   | .023440  | .002456  | .14155   | .023484  | .012278  |
| %RSD   | .2169468 | .2096151 | .4467953 | .0520481 | .2872867 | .4740362 | .2561037 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 150.2624 | 50.81787 | 5.227888 | 4.716068 | 49.32482 | 4.928748 | 4.795480 |
| #2 | 150.4112 | 50.68382 | 5.272723 | 4.718682 | 49.11067 | 4.975168 | 4.781398 |
| #3 | 150.8875 | 50.89416 | 5.238444 | 4.720977 | 49.37810 | 4.958151 | 4.805862 |



Sample Name: CCV082      Acquired: 10/25/2018 12:27:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV082      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.011216 | 4.998067 | 4.982622 |
| Stddev | .023687  | .010512  | .015281  |
| %RSD   | .4726731 | .2103127 | .3066941 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.032371 | 5.009622 | 4.975589 |
| #2 | 4.985625 | 4.989071 | 4.972124 |
| #3 | 5.015653 | 4.995509 | 5.000154 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1883.779 | 2078.104 | 43354.15 | 4136.787 | 2899.754 |
| Stddev    | 4.727    | 4.446    | 63.92    | 11.262   | 4.750    |
| %RSD      | .2509419 | .2139233 | .1474410 | .2722513 | .1637985 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1884.112 | 2077.267 | 43346.59 | 4148.966 | 2894.888 |
| #2 | 1888.331 | 2074.137 | 43421.51 | 4134.644 | 2899.996 |
| #3 | 1878.895 | 2082.909 | 43294.34 | 4126.749 | 2904.378 |

Sample Name: CCB082      Acquired: 10/25/2018 12:30:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB082      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003544 | -.003025 | .0020325 | .0000141 | .0009211 | .0058757 | .0002843 |
| Stddev | .001749  | .001965  | .0008209 | .0001232 | .0020560 | .0098925 | .0011904 |
| %RSD   | 49.35596 | 64.94429 | 40.38875 | 873.7066 | 223.2080 | 168.3640 | 418.7663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001977 | -.004567 | .0013565 | -.000025 | .0029336 | -.002549 | .0003947 |
| #2 | -.005431 | -.003696 | .0029459 | -.000085 | .0010056 | .016769  | -.000958 |
| #3 | -.003224 | -.000813 | .0017950 | .000152  | -.001176 | .003407  | .001416  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000574 | -.000010 | .0019613 | .0002906 | -.000346 | -.003973 | -.011412 |
| Stddev | .0000852 | .000013  | .0112082 | .0004667 | .000037  | .003560  | .013300  |
| %RSD   | 148.4036 | 122.1103 | 571.4811 | 160.6174 | 10.76555 | 89.62149 | 116.5408 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001541 | .000002  | .0142773 | .0007548 | -.000379 | -.001943 | -.004093 |
| #2 | -.000007 | -.000010 | -.007641 | .0002954 | -.000306 | -.001891 | -.026763 |
| #3 | .000025  | -.000023 | -.000753 | -.000179 | -.000354 | -.008084 | -.003379 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000442 | .0126165 | .0003080 | .0001895 | .2226309 | -.004739 | .0056518 |
| Stddev | .000451  | .0096265 | .0001804 | .0001317 | .2756934 | .005443  | .0123757 |
| %RSD   | 102.0858 | 76.30071 | 58.55199 | 69.51601 | 123.8343 | 114.8521 | 218.9694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000633 | .0152735 | .0004680 | .0003409 | .1011821 | .001545  | .0167045 |
| #2 | -.000767 | .0206354 | .0001126 | .0001010 | .0285132 | -.007789 | -.007719 |
| #3 | .000073  | .0019406 | .0003436 | .0001266 | .5381974 | -.007974 | .007970  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.004163 | -.002290 | .0119588 | .0000904 | .0025673 | -.000536 | -.000112 |
| Stddev | .058989  | .000261  | .0009358 | .0001433 | .0006404 | .000520  | .000487  |
| %RSD   | 1416.897 | 11.37911 | 7.825025 | 158.4042 | 24.94338 | 97.04195 | 433.1249 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.031022 | -.002083 | .0122514 | .0002049 | .0020142 | -.001069 | .000257  |
| #2 | .063476  | -.002204 | .0127133 | -.000070 | .0024189 | -.000512 | -.000664 |
| #3 | -.044944 | -.002583 | .0109116 | .000137  | .0032689 | -.000028 | .000069  |

Sample Name: CCB082      Acquired: 10/25/2018 12:30:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB082      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0010627 | .0077587 | -.000062 |
| Stddev | .0003616 | .0002556 | .000025  |
| %RSD   | 34.02462 | 3.294303 | 40.88077 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0014773 | .0079865 | -.000077 |
| #2 | .0008132 | .0078073 | -.000033 |
| #3 | .0008975 | .0074823 | -.000076 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2178.429 | 2494.869 | 46607.93 | 4352.292 | 3684.557 |
| Stddev    | 10.546   | 7.119    | 173.20   | 27.511   | 4.351    |
| %RSD      | .4841255 | .2853440 | .3716193 | .6321137 | .1180805 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2166.617 | 2496.453 | 46407.93 | 4381.050 | 3689.541 |
| #2 | 2186.901 | 2487.091 | 46708.53 | 4326.225 | 3681.517 |
| #3 | 2181.768 | 2501.062 | 46707.34 | 4349.600 | 3682.614 |

Sample Name: PB114044BL      Acquired: 10/25/2018 12:42:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS044      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000352 | -.004121 | -.001427 | .0012394 | -.000998 | -.004578 | -.000713 |
| Stddev | .000418  | .002499  | .000704  | .0023226 | .000540  | .008764  | .000982  |
| %RSD   | 118.5290 | 60.64308 | 49.31262 | 187.4020 | 54.09947 | 191.4301 | 137.6572 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000784 | -.006562 | -.000821 | -.000166 | -.001398 | .000246  | -.001379 |
| #2 | .000050  | -.001568 | -.002199 | -.000036 | -.000384 | -.014695 | -.001176 |
| #3 | -.000323 | -.004233 | -.001261 | .003920  | -.001213 | .000714  | .000415  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000537 | -.000015 | -.010265 | .0002373 | -.000193 | -.004042 | -.012415 |
| Stddev | .0000380 | .000071  | .017740  | .0002726 | .000249  | .002867  | .014692  |
| %RSD   | 70.65397 | 470.8730 | 172.8225 | 114.8873 | 128.9739 | 70.90999 | 118.3405 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000138 | -.000039 | -.029803 | .0001849 | .000037  | -.002737 | -.002481 |
| #2 | .0000894 | -.000071 | -.005829 | .0005323 | -.000159 | -.002061 | -.029291 |
| #3 | .0000580 | .000065  | .004836  | -.000005 | -.000458 | -.007329 | -.005472 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000387 | -.003594 | .0004504 | .0004667 | -.181783 | -.004338 | .0083693 |
| Stddev | .001116  | .081225  | .0004896 | .0003818 | .184165  | .005312  | .0177792 |
| %RSD   | 288.8225 | 2259.986 | 108.7034 | 81.81268 | 101.3106 | 122.4360 | 212.4325 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000793  | .047881  | .0001720 | .0005913 | -.326358 | -.003413 | .0035051 |
| #2 | -.001427 | -.097230 | .0001635 | .0000381 | -.244553 | .000450  | .0280744 |
| #3 | -.000525 | .038567  | .0010157 | .0007706 | .025562  | -.010052 | -.006471 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.184638 | -.003249 | .0025792 | -.000140 | .0004987 | -.001656 | -.001116 |
| Stddev | .137536  | .003528  | .0003224 | .000155  | .0020089 | .000574  | .000893  |
| %RSD   | 74.48950 | 108.6086 | 12.49786 | 110.5787 | 402.8224 | 34.64231 | 79.98073 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.280519 | -.002428 | .0027939 | -.000312 | -.000586 | -.001265 | -.001463 |
| #2 | -.246337 | -.000203 | .0022086 | -.000012 | -.000735 | -.001389 | -.000102 |
| #3 | -.027056 | -.007115 | .0027352 | -.000096 | .002817  | -.002315 | -.001783 |

Sample Name: PB114044BL      Acquired: 10/25/2018 12:42:17      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS044      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0034280 | .0030045 | -.000099 |
| Stddev | .0022120 | .0019596 | .000077  |
| %RSD   | 64.52752 | 65.22363 | 78.10413 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009158 | .0040694 | -.000150 |
| #2 | .0042844 | .0007430 | -.000010 |
| #3 | .0050837 | .0042011 | -.000138 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2144.274 | 2458.798 | 46080.43 | 4321.450 | 3625.674 |
| Stddev    | 8.184    | 5.852    | 30.56    | 24.593   | 10.601   |
| %RSD      | .3816871 | .2380022 | .0663187 | .5691020 | .2923960 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2136.203 | 2452.784 | 46115.72 | 4297.425 | 3613.878 |
| #2 | 2144.052 | 2459.137 | 46062.80 | 4320.350 | 3628.737 |
| #3 | 2152.567 | 2464.473 | 46062.78 | 4346.575 | 3634.406 |

Sample Name: PB114044BS      Acquired: 10/25/2018 12:46:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: LCS044      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0148439 | .0411769 | .0169386 | .0633655 | .1016461 | .3342439 |
| Stddev | .0022458 | .0010527 | .0005287 | .0014829 | .0016764 | .0183320 |
| %RSD   | 15.12946 | 2.556481 | 3.121242 | 2.340148 | 1.649246 | 5.484629 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0173671 | .0414440 | .0164256 | .0632881 | .1004169 | .3331301 |
| #2 | .0130641 | .0420703 | .0169084 | .0648856 | .1009656 | .3531075 |
| #3 | .0141003 | .0400164 | .0174817 | .0619229 | .1035557 | .3164942 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3620905 | .0092942 | .0089131 | 9.118999 | .0190979 | .0854694 |
| Stddev | .0015155 | .0000340 | .0000896 | .054352  | .0002926 | .0004097 |
| %RSD   | .4185451 | .3662303 | 1.004901 | .5960336 | 1.532117 | .4792920 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3614639 | .0092874 | .0088391 | 9.057369 | .0193611 | .0854812 |
| #2 | .3638189 | .0092641 | .0090127 | 9.139542 | .0191499 | .0850540 |
| #3 | .3609888 | .0093312 | .0088874 | 9.160085 | .0187828 | .0858730 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0419809 | .1913084 | .0280735 | 8.868035 | .0715931 | .0175719 |
| Stddev | .0025104 | .0198585 | .0021533 | .160700  | .0003621 | .0002208 |
| %RSD   | 5.979885 | 10.38034 | 7.670161 | 1.812129 | .5057466 | 1.256569 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0445983 | .1822746 | .0264460 | 8.774966 | .0720110 | .0173515 |
| #2 | .0395933 | .2140777 | .0305151 | 9.053595 | .0713952 | .0177931 |
| #3 | .0417510 | .1775729 | .0272592 | 8.775543 | .0713731 | .0175713 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 8.864606 | .0884090 | .1059177 | 8.223791 | F 8.862063 | F .2130550 |
| Stddev | .216038  | .0029075 | .0091764 | .033258  | .026555    | .0007262   |
| %RSD   | 2.437082 | 3.288743 | 8.663746 | .4044098 | .2996452   | .3408467   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.615148 | .0912602 | .1165011 | 8.257950 | 8.831815 | .2133706 |
| #2 | 8.989731 | .0885186 | .1010733 | 8.221909 | 8.872834 | .2122244 |
| #3 | 8.988940 | .0854482 | .1001785 | 8.191514 | 8.881539 | .2135701 |

Sample Name: PB114044BS      Acquired: 10/25/2018 12:46:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS044      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0962217 | 7.910351 | .1825052 | F .0102784 | .1845206 | .0867120 |
| Stddev | .0004125   | .015341  | .0020053 | .0003308   | .0011699 | .0013810 |
| %RSD   | .4286959   | .1939322 | 1.098734 | 3.218736   | .6340434 | 1.592670 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0960219 | 7.922823 | .1807541 | .0103663 | .1832276 | .0852078 |
| #2 | .0959471 | 7.893221 | .1820688 | .0105564 | .1855061 | .0879227 |
| #3 | .0966960 | 7.915008 | .1846927 | .0099125 | .1848279 | .0870055 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1802173 |
| Stddev | .0006659 |
| %RSD   | .3695018 |

|    |          |
|----|----------|
| #1 | .1797246 |
| #2 | .1799523 |
| #3 | .1809749 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2153.965 | 2460.016 | 46187.94 | 4304.783 | 3666.359 |
| Stddev    | 10.846   | 3.526    | 276.68   | 13.139   | 5.789    |
| %RSD      | .5035429 | .1433369 | .5990323 | .3052225 | .1578858 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2156.811 | 2463.993 | 45937.15 | 4289.900 | 3672.628 |
| #2 | 2141.980 | 2458.781 | 46141.93 | 4314.775 | 3661.216 |
| #3 | 2163.104 | 2457.273 | 46484.74 | 4309.675 | 3665.233 |

Sample Name: J5387-01      Acquired: 10/25/2018 12:50:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0524456 | -.003916 | .0595296 | .0072178 | .0020907 | 21.65394 | .4105124 |
| Stddev | .0011426 | .001431  | .0013670 | .0005388 | .0014010 | .11583   | .0020696 |
| %RSD   | 2.178646 | 36.54003 | 2.296250 | 7.465035 | 67.01109 | .5348960 | .5041449 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0532434 | -.004588 | .0582601 | .0070950 | .0004730 | 21.52683 | .4082391 |
| #2 | .0529566 | -.004888 | .0593519 | .0078074 | .0028851 | 21.75353 | .4110106 |
| #3 | .0511366 | -.002273 | .0609766 | .0067509 | .0029139 | 21.68146 | .4122873 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022724 | -.000641 | 18.85581 | .0202922 | .0331980 | .0469809 | 77.84892 |
| Stddev | .0000455 | .000070  | .06920   | .0005081 | .0003866 | .0042185 | .70412   |
| %RSD   | 2.000438 | 10.94505 | .3669859 | 2.504170 | 1.164592 | 8.979287 | .9044736 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022885 | -.000563 | 18.85025 | .0198872 | .0330847 | .0517444 | 77.06597 |
| #2 | .0023076 | -.000697 | 18.78956 | .0201269 | .0328808 | .0437172 | 78.43021 |
| #3 | .0022211 | -.000664 | 18.92762 | .0208624 | .0336287 | .0454810 | 78.05059 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.061654 | 13.27929 | .0312020 | .0024947 | .8835443 | .1738887 | .1329854 |
| Stddev | .026073  | .10394   | .0001274 | .0001204 | .1304319 | .0016119 | .0087551 |
| %RSD   | .8516052 | .7827197 | .4082809 | 4.827165 | 14.76235 | .9269585 | 6.583490 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.063385 | 13.31183 | .0312943 | .0024484 | .8326783 | .1737508 | .1282084 |
| #2 | 3.034758 | 13.36306 | .0312550 | .0024044 | 1.031745 | .1755651 | .1430899 |
| #3 | 3.086818 | 13.16297 | .0310566 | .0026314 | .786209  | .1723502 | .1276579 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.002716 | 5.861751 | .0755909 | .0029388 | .6513259 | 4.862700 | -.000091 |
| Stddev | .036647  | .033494  | .0022547 | .0002043 | .0069672 | .056687  | .001624  |
| %RSD   | 1.220454 | .5714075 | 2.982705 | 6.953296 | 1.069697 | 1.165759 | 1776.674 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.033654 | 5.833427 | .0731881 | .0030010 | .6451074 | 4.906551 | .001384  |
| #2 | 3.012249 | 5.853105 | .0776604 | .0031048 | .6500148 | 4.798688 | .000173  |
| #3 | 2.962245 | 5.898721 | .0759242 | .0027106 | .6588556 | 4.882862 | -.001832 |



Sample Name: J5387-01      Acquired: 10/25/2018 12:50:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.499563 | .0351905 | .2066295 |
| Stddev | .006745  | .0003998 | .0003090 |
| %RSD   | .4498311 | 1.136236 | .1495441 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.492234 | .0352135 | .2064972 |
| #2 | 1.505510 | .0347797 | .2064086 |
| #3 | 1.500947 | .0355784 | .2069826 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2343.043 | 2656.103 | 50504.39 | 4790.377 | 3704.893 |
| Stddev    | 7.700    | 7.447    | 114.57   | 53.639   | 8.900    |
| %RSD      | .3286408 | .2803756 | .2268551 | 1.119726 | .2402141 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2348.622 | 2662.788 | 50523.68 | 4740.172 | 3712.990 |
| #2 | 2346.248 | 2657.444 | 50381.39 | 4846.892 | 3706.324 |
| #3 | 2334.258 | 2648.076 | 50608.09 | 4784.068 | 3695.364 |

Sample Name: J5387-02      Acquired: 10/25/2018 12:54:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0535149 | -.006920 | .0224565 | .0073178 | .0022015 | 22.56961 | .6180834 |
| Stddev | .0006366 | .000950  | .0021582 | .0011575 | .0011241 | .17279   | .0008868 |
| %RSD   | 1.189548 | 13.72630 | 9.610424 | 15.81690 | 51.06300 | .7655971 | .1434709 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0542465 | -.007889 | .0226859 | .0085952 | .0034558 | 22.67737 | .6172156 |
| #2 | .0530878 | -.006881 | .0244908 | .0063387 | .0012850 | 22.37031 | .6180467 |
| #3 | .0532102 | -.005990 | .0201928 | .0070196 | .0018636 | 22.66116 | .6189880 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022947 | -.000526 | 19.55949 | .0241826 | .0339111 | .0388158 | 74.58969 |
| Stddev | .0000849 | .000084  | .11646   | .0003690 | .0001668 | .0002135 | .91593   |
| %RSD   | 3.701679 | 16.05631 | .5953987 | 1.525982 | .4920321 | .5500124 | 1.227958 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023277 | -.000589 | 19.42692 | .0245826 | .0337757 | .0386364 | 75.05512 |
| #2 | .0021982 | -.000430 | 19.60626 | .0241098 | .0338601 | .0390519 | 73.53450 |
| #3 | .0023582 | -.000560 | 19.64530 | .0238554 | .0340975 | .0387591 | 75.17944 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.814160 | 13.14256 | .0324366 | .0025339 | 1.192916 | .1565109 | .1225092 |
| Stddev | .012057  | .20677   | .0004399 | .0002427 | .151186  | .0025642 | .0025612 |
| %RSD   | .6646024 | 1.573248 | 1.356091 | 9.576797 | 12.67361 | 1.638333 | 2.090615 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.801735 | 13.31156 | .0320041 | .0024044 | 1.366111 | .1579893 | .1229768 |
| #2 | 1.814933 | 12.91201 | .0328835 | .0023834 | 1.087349 | .1535500 | .1248043 |
| #3 | 1.825812 | 13.20410 | .0324223 | .0028139 | 1.125290 | .1579933 | .1197464 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.808448 | 5.676562 | .0728946 | .0023067 | .5840828 | 4.534964 | -.000414 |
| Stddev | .033599  | .023806  | .0022475 | .0001307 | .0011048 | .054705  | .000152  |
| %RSD   | .8822243 | .4193718 | 3.083224 | 5.667679 | .1891533 | 1.206293 | 36.70166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.777413 | 5.657199 | .0754465 | .0024317 | .5828155 | 4.527807 | -.000241 |
| #2 | 3.844128 | 5.669347 | .0720279 | .0023174 | .5845896 | 4.484190 | -.000478 |
| #3 | 3.803804 | 5.703141 | .0712095 | .0021709 | .5848433 | 4.592895 | -.000524 |

Sample Name: J5387-02      Acquired: 10/25/2018 12:54:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.080787 | .0257548 | .3502902 |
| Stddev | .004153  | .0012170 | .0012912 |
| %RSD   | .3842223 | 4.725376 | .3686044 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.082493 | .0269653 | .3488621 |
| #2 | 1.076054 | .0245314 | .3506331 |
| #3 | 1.083816 | .0257678 | .3513753 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2301.036 | 2609.476 | 49575.05 | 4662.403 | 3648.094 |
| Stddev    | 14.562   | 8.292    | 307.39   | 50.569   | 9.445    |
| %RSD      | .6328347 | .3177716 | .6200444 | 1.084608 | .2589138 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2285.137 | 2612.945 | 49238.82 | 4635.049 | 3658.583 |
| #2 | 2304.248 | 2615.470 | 49644.67 | 4720.757 | 3645.441 |
| #3 | 2313.724 | 2600.013 | 49841.65 | 4631.403 | 3640.259 |

Sample Name: J5387-03      Acquired: 10/25/2018 12:58:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK82      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0358612 | -.006755 | .0183865 | .0057895 | .0013160 | 20.05690 | .3522521 |
| Stddev | .0034227 | .000500  | .0007489 | .0012193 | .0008283 | .03751   | .0005452 |
| %RSD   | 9.544308 | 7.401789 | 4.073304 | 21.05983 | 62.94362 | .1869943 | .1547625 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0338721 | -.006184 | .0177721 | .0056146 | .0021641 | 20.09977 | .3516671 |
| #2 | .0338982 | -.006965 | .0181667 | .0046672 | .0005089 | 20.04083 | .3523431 |
| #3 | .0398134 | -.007115 | .0192208 | .0070868 | .0012750 | 20.03011 | .3527460 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017289 | -.000577 | 17.28681 | .0181367 | .0230667 | .0408250 | 61.97767 |
| Stddev | .0000299 | .000048  | .03798   | .0004572 | .0001040 | .0043266 | .17982   |
| %RSD   | 1.729570 | 8.355097 | .2196980 | 2.521053 | .4506552 | 10.59789 | .2901299 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016957 | -.000530 | 17.28417 | .0176124 | .0230186 | .0375107 | 61.77094 |
| #2 | .0017373 | -.000575 | 17.25022 | .0184529 | .0229955 | .0392446 | 62.09784 |
| #3 | .0017538 | -.000626 | 17.32604 | .0183447 | .0231860 | .0457196 | 62.06422 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8755520 | 9.410114 | .0274419 | .0023348 | 1.172122 | .1376995 | .1014547 |
| Stddev | .0019607 | .040094  | .0004439 | .0001790 | .141227  | .0036378 | .0095903 |
| %RSD   | .2239400 | .4260750 | 1.617462 | 7.665356 | 12.04885 | 2.641855 | 9.452825 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8746509 | 9.454546 | .0269521 | .0023430 | 1.306893 | .1372695 | .1039057 |
| #2 | .8778013 | 9.376632 | .0278174 | .0025094 | 1.184253 | .1415331 | .1095817 |
| #3 | .8742038 | 9.399165 | .0275563 | .0021518 | 1.025221 | .1342957 | .0908767 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.461357 | 4.768958 | .0615134 | .0017033 | .3346606 | 4.369049 | -.000732 |
| Stddev | .051479  | .003960  | .0006386 | .0001343 | .0050179 | .021245  | .000089  |
| %RSD   | 2.091469 | .0830266 | 1.038171 | 7.883583 | 1.499394 | .4862564 | 12.20942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.437232 | 4.772184 | .0607857 | .0018578 | .3299796 | 4.347904 | -.000630 |
| #2 | 2.426371 | 4.764539 | .0617735 | .0016148 | .3340438 | 4.390392 | -.000798 |
| #3 | 2.520467 | 4.770151 | .0619808 | .0016373 | .3399583 | 4.368851 | -.000767 |

Sample Name: J5387-03      Acquired: 10/25/2018 12:58:38      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK82      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.163345 | .0220363 | .2453604 |
| Stddev | .004623  | .0007239 | .0004633 |
| %RSD   | .3973747 | 3.284916 | .1888137 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.165435 | .0212074 | .2455491 |
| #2 | 1.158047 | .0225439 | .2448326 |
| #3 | 1.166555 | .0223577 | .2456996 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2285.912 | 2585.978 | 49111.15 | 4654.875 | 3672.176 |
| Stddev    | 8.712    | 3.793    | 250.15   | 11.531   | 3.879    |
| %RSD      | .3811307 | .1466592 | .5093454 | .2477157 | .1056389 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2278.691 | 2586.598 | 48886.43 | 4651.650 | 3675.335 |
| #2 | 2283.456 | 2589.422 | 49066.36 | 4645.300 | 3673.346 |
| #3 | 2295.589 | 2581.913 | 49380.67 | 4667.675 | 3667.846 |

Sample Name: J5387-04      Acquired: 10/25/2018 13:02:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0499184 | .0119754 | .0620399 | .0105396 | .0034680 | 67.53206 | 4.582161 |
| Stddev | .0024267 | .0015178 | .0019157 | .0039547 | .0007870 | .20637   | .009151  |
| %RSD   | 4.861309 | 12.67403 | 3.087782 | 37.52204 | 22.69277 | .3055932 | .1997039 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0487824 | .0102262 | .0611282 | .0082045 | .0042152 | 67.63435 | 4.592148 |
| #2 | .0482680 | .0127558 | .0642411 | .0083085 | .0026465 | 67.29453 | 4.574179 |
| #3 | .0527047 | .0129442 | .0607504 | .0151056 | .0035424 | 67.66732 | 4.580154 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048423 | -.000595 | 29.20515 | .0400619 | .1082310 | .2039510 | 117.5136 |
| Stddev | .0000635 | .000081  | .08407   | .0004555 | .0007392 | .0039396 | .5558    |
| %RSD   | 1.310990 | 13.57022 | .2878763 | 1.137025 | .6829336 | 1.931653 | .4729287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0047759 | -.000688 | 29.15690 | .0405752 | .1073785 | .2077323 | 118.1532 |
| #2 | .0049024 | -.000545 | 29.15632 | .0399046 | .1086224 | .2042506 | 117.2396 |
| #3 | .0048486 | -.000551 | 29.30223 | .0397059 | .1086921 | .1998701 | 117.1481 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 22.17627 | 28.69796 | .0838529 | .0044268 | 1.625973 | .2976799 | .2775038 |
| Stddev | .04078   | .24175   | .0002645 | .0002344 | .187719  | .0007182 | .0104780 |
| %RSD   | .1838961 | .8423798 | .3154520 | 5.294185 | 11.54502 | .2412766 | 3.775815 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 22.22030 | 28.62095 | .0839090 | .0044264 | 1.609579 | .2968543 | .2667879 |
| #2 | 22.13979 | 28.96883 | .0835648 | .0046614 | 1.821352 | .2981609 | .2779970 |
| #3 | 22.16874 | 28.50410 | .0840848 | .0041926 | 1.446989 | .2980244 | .2877266 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.59317 | 4.848591 | .1209335 | .0099201 | .6644986 | 14.60425 | .0017991 |
| Stddev | .07495   | .022595  | .0012722 | .0002695 | .0029718 | .04176   | .0005400 |
| %RSD   | .5951688 | .4660019 | 1.052013 | 2.716298 | .4472183 | .2859402 | 30.01613 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.54229 | 4.824547 | .1216562 | .0096453 | .6657204 | 14.64507 | .0021336 |
| #2 | 12.55797 | 4.851842 | .1194645 | .0099312 | .6611107 | 14.60608 | .0020876 |
| #3 | 12.67924 | 4.869384 | .1216798 | .0101839 | .6666647 | 14.56161 | .0011761 |

Sample Name: J5387-04      Acquired: 10/25/2018 13:02:44      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK83      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.786936 | .0792507 | .3933893 |
| Stddev | .009157  | .0011955 | .0012760 |
| %RSD   | .5124427 | 1.508543 | .3243531 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.797102 | .0794952 | .3948193 |
| #2 | 1.779336 | .0779518 | .3923672 |
| #3 | 1.784370 | .0803051 | .3929812 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2320.276 | 2638.548 | 50288.46 | 4724.602 | 3563.278 |
| Stddev    | 11.028   | 2.676    | 163.07   | 7.244    | 6.781    |
| %RSD      | .4753088 | .1014015 | .3242744 | .1533348 | .1903066 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2330.569 | 2638.485 | 50470.26 | 4720.656 | 3569.462 |
| #2 | 2308.636 | 2635.904 | 50155.09 | 4720.187 | 3564.345 |
| #3 | 2321.624 | 2641.254 | 50240.03 | 4732.962 | 3556.026 |

Sample Name: J5387-05      Acquired: 10/25/2018 13:06:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK84      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0623890 | -.004866 | .0284948 | .0087755 | .0028383 | 22.01673 | .5393832 |
| Stddev | .0034783 | .001496  | .0001221 | .0019595 | .0007922 | .06199   | .0006455 |
| %RSD   | 5.575209 | 30.74758 | .4284137 | 22.32950 | 27.91078 | .2815772 | .1196766 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0660290 | -.003139 | .0283595 | .0102630 | .0036955 | 22.07511 | .5400438 |
| #2 | .0620392 | -.005750 | .0285968 | .0065552 | .0026859 | 21.95166 | .5393518 |
| #3 | .0590988 | -.005710 | .0285281 | .0095082 | .0021333 | 22.02341 | .5387540 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019567 | -.000633 | 21.85874 | .0293869 | .0319353 | .0863887 | 82.27864 |
| Stddev | .0000313 | .000016  | .05165   | .0004932 | .0001047 | .0027507 | .67702   |
| %RSD   | 1.599343 | 2.584737 | .2362725 | 1.678141 | .3277624 | 3.184149 | .8228411 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019893 | -.000650 | 21.79937 | .0298570 | .0320098 | .0837330 | 83.00675 |
| #2 | .0019270 | -.000618 | 21.89331 | .0288735 | .0319806 | .0892255 | 81.66811 |
| #3 | .0019537 | -.000631 | 21.88354 | .0294303 | .0318156 | .0862076 | 82.16105 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.222932 | 13.69480 | .0327003 | .0023697 | 1.085899 | .1818290 | .1247036 |
| Stddev | .012482  | .20325   | .0005190 | .0002960 | .253244  | .0091016 | .0171580 |
| %RSD   | .3872842 | 1.484166 | 1.587071 | 12.49140 | 23.32116 | 5.005595 | 13.75905 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.213258 | 13.91999 | .0330792 | .0020311 | 1.374534 | .1914848 | .1362545 |
| #2 | 3.237021 | 13.52495 | .0321088 | .0024990 | .982201  | .1734075 | .1049879 |
| #3 | 3.218517 | 13.63946 | .0329128 | .0025792 | .900961  | .1805947 | .1328682 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.481092 | 6.759647 | .0782052 | .0029982 | .3384553 | 4.936377 | -.000021 |
| Stddev | .047968  | .012589  | .0024150 | .0000694 | .0043729 | .011185  | .000406  |
| %RSD   | 1.070459 | .1862368 | 3.087996 | 2.314715 | 1.292014 | .2265743 | 1931.128 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.536321 | 6.745111 | .0809051 | .0029217 | .3424813 | 4.924652 | -.000165 |
| #2 | 4.449835 | 6.766825 | .0762512 | .0030572 | .3338031 | 4.937550 | -.000335 |
| #3 | 4.457120 | 6.767006 | .0774592 | .0030156 | .3390815 | 4.946929 | .000437  |



Sample Name: J5387-05      Acquired: 10/25/2018 13:06:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK84      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.646990 | .0309624 | .2168989 |
| Stddev | .013719  | .0007351 | .0004639 |
| %RSD   | .8329530 | 2.374194 | .2138981 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.662723 | .0313195 | .2170579 |
| #2 | 1.637529 | .0301169 | .2172625 |
| #3 | 1.640717 | .0314507 | .2163764 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2248.004 | 2559.657 | 48587.61 | 4587.622 | 3615.450 |
| Stddev    | 7.509    | 1.034    | 126.28   | 7.751    | 4.748    |
| %RSD      | .3340510 | .0403871 | .2598917 | .1689506 | .1313307 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2239.800 | 2560.018 | 48501.55 | 4578.684 | 3610.458 |
| #2 | 2249.676 | 2558.491 | 48732.57 | 4591.695 | 3615.983 |
| #3 | 2254.537 | 2560.462 | 48528.70 | 4592.488 | 3619.910 |

Sample Name: J5387-06      Acquired: 10/25/2018 13:10:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0433566 | -.007302 | .0483500 | .0095731 | .0045419 | 52.63337 | .7718588 |
| Stddev | .0019146 | .002240  | .0019175 | .0023969 | .0008980 | .08351   | .0016521 |
| %RSD   | 4.415896 | 30.67482 | 3.965762 | 25.03749 | 19.77271 | .1586575 | .2140461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0413003 | -.006452 | .0462665 | .0090563 | .0044031 | 52.56021 | .7736739 |
| #2 | .0436818 | -.009842 | .0487430 | .0121862 | .0055012 | 52.72435 | .7704428 |
| #3 | .0450878 | -.005611 | .0500405 | .0074768 | .0037213 | 52.61554 | .7714596 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045974 | -.001089 | 27.11490 | .0575243 | .0498014 | .1289676 | 126.7527 |
| Stddev | .0000330 | .000045  | .04500   | .0006358 | .0002810 | .0071130 | .4640    |
| %RSD   | .7174443 | 4.143169 | .1659505 | 1.105192 | .5642293 | 5.515326 | .3660961 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046284 | -.001049 | 27.16446 | .0576945 | .0498286 | .1241421 | 126.3427 |
| #2 | .0046010 | -.001138 | 27.10365 | .0580577 | .0495078 | .1256243 | 127.2564 |
| #3 | .0045627 | -.001080 | 27.07660 | .0568208 | .0500678 | .1371362 | 126.6588 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.588979 | 24.45825 | .0626801 | .0043295 | 1.618281 | .2404552 | .2298272 |
| Stddev | .011792  | .12537   | .0005044 | .0001813 | .077796  | .0043472 | .0109763 |
| %RSD   | .2569657 | .5125744 | .8047825 | 4.186819 | 4.807345 | 1.807908 | 4.775914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.596006 | 24.60137 | .0623259 | .0045314 | 1.534980 | .2453649 | .2188645 |
| #2 | 4.575365 | 24.36787 | .0624566 | .0042761 | 1.630812 | .2370951 | .2297999 |
| #3 | 4.595566 | 24.40550 | .0632576 | .0041808 | 1.689051 | .2389056 | .2408171 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.076257 | 5.506781 | .1229977 | .0015972 | .7193240 | 13.67018 | .0024890 |
| Stddev | .011662  | .007682  | .0006391 | .0002604 | .0040968 | .05283   | .0005767 |
| %RSD   | .1284857 | .1394948 | .5195979 | 16.30155 | .5695410 | .3864679 | 23.16840 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.078240 | 5.501036 | .1232427 | .0016569 | .7168045 | 13.68974 | .0021255 |
| #2 | 9.086799 | 5.503800 | .1222723 | .0013121 | .7171163 | 13.71043 | .0021876 |
| #3 | 9.063731 | 5.515506 | .1234781 | .0018224 | .7240512 | 13.61035 | .0031539 |

Sample Name: J5387-06      Acquired: 10/25/2018 13:10:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.375055 | .0602194 | .3437768 |
| Stddev | .002747  | .0005917 | .0005819 |
| %RSD   | .1156572 | .9826354 | .1692551 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.375621 | .0600011 | .3442750 |
| #2 | 2.372070 | .0608893 | .3431373 |
| #3 | 2.377475 | .0597678 | .3439181 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2283.235 | 2608.933 | 49630.60 | 4717.963 | 3555.939 |
| Stddev    | 7.275    | 5.416    | 105.03   | 6.082    | 7.535    |
| %RSD      | .3186457 | .2075938 | .2116142 | .1289064 | .2119075 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2285.486 | 2613.262 | 49732.53 | 4716.184 | 3562.716 |
| #2 | 2289.119 | 2602.860 | 49522.73 | 4724.735 | 3557.277 |
| #3 | 2275.100 | 2610.676 | 49636.53 | 4712.968 | 3547.825 |

Sample Name: J5387-07      Acquired: 10/25/2018 13:14:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0713041 | .0111813 | .1386667 | .0164569 | .0095609 | 156.0189 | 4.143604 |
| Stddev | .0011494 | .0031932 | .0007442 | .0013118 | .0011648 | .5032    | .004921  |
| %RSD   | 1.611965 | 28.55797 | .5366510 | 7.971257 | 12.18326 | .3225288 | .1187734 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0723017 | .0075536 | .1380846 | .0176013 | .0093937 | 155.4387 | 4.146465 |
| #2 | .0700472 | .0124243 | .1384103 | .0150253 | .0108003 | 156.2811 | 4.137921 |
| #3 | .0715633 | .0135661 | .1395051 | .0167443 | .0084887 | 156.3368 | 4.146427 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0113328 | -.001358 | 53.13445 | .1106523 | .1763364 | .3706716 | 259.7193 |
| Stddev | .0000946 | .000046  | .15229   | .0004963 | .0005916 | .0006526 | 1.7773   |
| %RSD   | .8345226 | 3.385057 | .2866059 | .4485202 | .3355123 | .1760593 | .6842977 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0112989 | -.001326 | 53.30919 | .1106939 | .1770168 | .3704847 | 257.8594 |
| #2 | .0114397 | -.001411 | 53.06417 | .1111266 | .1760498 | .3713972 | 259.8982 |
| #3 | .0112599 | -.001337 | 53.03000 | .1101366 | .1759427 | .3701328 | 261.4004 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.54946 | 62.37762 | .1752793 | .0088714 | 3.357990 | .4731145 | .5540476 |
| Stddev | .09378   | .52611   | .0010941 | .0002891 | .079367  | .0089800 | .0016580 |
| %RSD   | .3670403 | .8434249 | .6241918 | 3.258700 | 2.363515 | 1.898062 | .2992516 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.65240 | 61.77364 | .1760109 | .0085377 | 3.449594 | .4627970 | .5558107 |
| #2 | 25.46890 | 62.62306 | .1740216 | .0090472 | 3.314531 | .4773776 | .5525199 |
| #3 | 25.52707 | 62.73616 | .1758055 | .0090292 | 3.309843 | .4791689 | .5538121 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.19245 | 6.573322 | .2464749 | .0082195 | .8482610 | 11.81057 | .0086297 |
| Stddev | .18464   | .006496  | .0069357 | .0004687 | .0031174 | .11923   | .0014186 |
| %RSD   | .6549443 | .0988274 | 2.813964 | 5.701739 | .3675085 | 1.009499 | 16.43869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.39252 | 6.580713 | .2404984 | .0082300 | .8453091 | 11.83224 | .0092047 |
| #2 | 28.15624 | 6.570737 | .2448463 | .0077457 | .8479527 | 11.91747 | .0070139 |
| #3 | 28.02860 | 6.568517 | .2540800 | .0086828 | .8515211 | 11.68199 | .0096705 |

Sample Name: J5387-07      Acquired: 10/25/2018 13:14:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.095677 | .1770526 | .8395768 |
| Stddev | .023593  | .0018271 | .0022155 |
| %RSD   | .5760363 | 1.031930 | .2638847 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.079316 | .1774517 | .8420530 |
| #2 | 4.084994 | .1750590 | .8377822 |
| #3 | 4.122721 | .1786471 | .8388953 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2423.686 | 2763.158 | 53152.15 | 5048.843 | 3395.151 |
| Stddev    | 4.550    | 1.478    | 226.94   | 57.720   | 3.152    |
| %RSD      | .1877334 | .0535047 | .4269723 | 1.143240 | .0928414 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2422.619 | 2763.579 | 52982.86 | 5019.808 | 3391.525 |
| #2 | 2428.675 | 2761.515 | 53410.03 | 5011.404 | 3397.239 |
| #3 | 2419.764 | 2764.380 | 53063.55 | 5115.315 | 3396.688 |

Sample Name: J5387-08      Acquired: 10/25/2018 13:18:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0581004 | .0210633 | .1488077 | .0163216 | .0061404 | 153.0068 |
| Stddev | .0029849 | .0010701 | .0001877 | .0019606 | .0015847 | .4156    |
| %RSD   | 5.137472 | 5.080501 | .1261175 | 12.01231 | 25.80783 | .2716488 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0606697 | .0222416 | .1487375 | .0141962 | .0071020 | 153.4321 |
| #2 | .0548261 | .0207964 | .1490204 | .0180596 | .0070077 | 152.9866 |
| #3 | .0588054 | .0201519 | .1486653 | .0167088 | .0043113 | 152.6016 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.627925 | .0119404 | -.000694 | 58.38765 | .1079304 | .1651304 |
| Stddev | .005796  | .0000883 | .000126  | .03927   | .0006728 | .0005015 |
| %RSD   | .1029845 | .7395471 | 18.12760 | .0672550 | .6233659 | .3037048 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.634415 | .0120057 | -.000760 | 58.34458 | .1086758 | .1648624 |
| #2 | 5.623266 | .0119756 | -.000549 | 58.42146 | .1077473 | .1648198 |
| #3 | 5.626093 | .0118399 | -.000773 | 58.39692 | .1073680 | .1657090 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3804801 | 239.9360 | F 32.45410 | 61.94075 | .1832465 | .0086534 |
| Stddev | .0011620 | 1.3570   | .19411     | .45485   | .0003055 | .0005503 |
| %RSD   | .3054088 | .5655713 | .5980929   | .7343315 | .1666933 | 6.359080 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3816736 | 241.3730 | 32.26931 | 62.36540 | .1829735 | .0092480 |
| #2 | .3804143 | 239.7587 | 32.65634 | 61.99609 | .1835764 | .0085499 |
| #3 | .3793524 | 238.6764 | 32.43664 | 61.46076 | .1831896 | .0081622 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.724429 | .4536669 | .5758706 | 30.84079 | 8.124903 | .2263979 |
| Stddev | .217580  | .0032987 | .0228940 | .10309   | .010578  | .0032406 |
| %RSD   | 5.841964 | .7271076 | 3.975540 | .3342807 | .1301880 | 1.431355 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.612843 | .4498627 | .5505820 | 30.74743 | 8.136236 | .2294789 |
| #2 | 3.585278 | .4557337 | .5951857 | 30.95143 | 8.115292 | .2230185 |
| #3 | 3.975163 | .4554043 | .5818442 | 30.82352 | 8.123179 | .2266962 |

Sample Name: J5387-08      Acquired: 10/25/2018 13:18:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0089432 | .7530590 | 18.76055 | .0061494 | 3.091031 | .1690566 |
| Stddev | .0000882 | .0039622 | .07825   | .0002681 | .006115  | .0008564 |
| %RSD   | .9861946 | .5261503 | .4171149 | 4.359289 | .1978389 | .5065604 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0090447 | .7485139 | 18.77721 | .0058411 | 3.097962 | .1699864 |
| #2 | .0088846 | .7557854 | 18.82913 | .0062798 | 3.088735 | .1688832 |
| #3 | .0089005 | .7548777 | 18.67531 | .0063274 | 3.086396 | .1683002 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .9089542 |
| Stddev | .0026967 |
| %RSD   | .2966872 |

|    |          |
|----|----------|
| #1 | .9060636 |
| #2 | .9114024 |
| #3 | .9093966 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2526.630 | 2868.414 | 54893.89 | 5228.422 | 3463.684 |
| Stddev    | 16.082   | 7.952    | 132.10   | 12.067   | 11.908   |
| %RSD      | .6365069 | .2772388 | .2406527 | .2308017 | .3437821 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2545.194 | 2860.941 | 55042.92 | 5221.659 | 3450.893 |
| #2 | 2517.782 | 2876.772 | 54791.22 | 5221.254 | 3474.448 |
| #3 | 2516.915 | 2867.529 | 54847.52 | 5242.355 | 3465.711 |

Sample Name: J5387-09      Acquired: 10/25/2018 13:22:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0419486 | -.009433 | .0399736 | .0116394 | .0047458 | 58.81092 | .8601438 |
| Stddev | .0032021 | .002932  | .0014208 | .0013176 | .0006491 | .08772   | .0014540 |
| %RSD   | 7.633441 | 31.08192 | 3.554324 | 11.32043 | 13.67794 | .1491596 | .1690474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0431512 | -.006420 | .0416117 | .0101260 | .0040090 | 58.83486 | .8617843 |
| #2 | .0443754 | -.012277 | .0390758 | .0125311 | .0052336 | 58.88418 | .8590142 |
| #3 | .0383193 | -.009603 | .0392334 | .0122612 | .0049947 | 58.71371 | .8596328 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0036139 | -.000481 | 34.65136 | .0398907 | .0455018 | .1290770 | 110.2642 |
| Stddev | .0000789 | .000172  | .10420   | .0002329 | .0003389 | .0032808 | .6463    |
| %RSD   | 2.182675 | 35.71428 | .3007118 | .5837616 | .7447932 | 2.541727 | .5861620 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0036782 | -.000553 | 34.69009 | .0401591 | .0458734 | .1323595 | 109.7036 |
| #2 | .0035259 | -.000606 | 34.53334 | .0397700 | .0452097 | .1257980 | 110.9711 |
| #3 | .0036376 | -.000285 | 34.73065 | .0397429 | .0454224 | .1290736 | 110.1178 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.083009 | 30.40988 | .0526466 | .0032286 | 2.730727 | .2446718 | .2612312 |
| Stddev | .016468  | .44469   | .0004174 | .0004513 | .171126  | .0066295 | .0144568 |
| %RSD   | .7906063 | 1.462305 | .7928761 | 13.97822 | 6.266699 | 2.709543 | 5.534109 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.074629 | 29.98618 | .0521704 | .0027409 | 2.779381 | .2372342 | .2599911 |
| #2 | 2.072415 | 30.87293 | .0528204 | .0036315 | 2.872258 | .2468215 | .2762681 |
| #3 | 2.101982 | 30.37052 | .0529491 | .0033132 | 2.540542 | .2499596 | .2474344 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.06011 | 6.204416 | .1467599 | .0010134 | .4233139 | 10.18737 | .0035197 |
| Stddev | .04348   | .035504  | .0020256 | .0001763 | .0098979 | .06886   | .0001893 |
| %RSD   | .2886936 | .5722419 | 1.380228 | 17.39840 | 2.338194 | .6759768 | 5.379124 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.06050 | 6.179745 | .1452057 | .0008104 | .4343028 | 10.20333 | .0035743 |
| #2 | 15.10339 | 6.188395 | .1460231 | .0011026 | .4150989 | 10.24685 | .0033091 |
| #3 | 15.01644 | 6.245107 | .1490507 | .0011274 | .4205401 | 10.11193 | .0036758 |



Sample Name: J5387-09      Acquired: 10/25/2018 13:22:41      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKK3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.905758 | .0999936 | .5883289 |
| Stddev | .005947  | .0006351 | .0017590 |
| %RSD   | .2046557 | .6351758 | .2989760 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.898986 | .1003138 | .5893890 |
| #2 | 2.908161 | .0992621 | .5862985 |
| #3 | 2.910127 | .1004049 | .5892993 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2323.367 | 2684.094 | 51034.84 | 4879.248 | 3608.582 |
| Stddev    | 5.183    | 2.534    | 52.27    | 25.359   | 2.771    |
| %RSD      | .2230809 | .0944253 | .1024154 | .5197310 | .0767985 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2324.193 | 2681.201 | 51001.47 | 4864.723 | 3609.584 |
| #2 | 2328.088 | 2685.926 | 51095.07 | 4864.492 | 3605.449 |
| #3 | 2317.821 | 2685.154 | 51007.97 | 4908.530 | 3610.713 |

Sample Name: J5387-10      Acquired: 10/25/2018 13:26:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0446820 | -.007456 | .0323921 | .0083426 | .0025408 | 40.68460 | .6500753 |
| Stddev | .0015967 | .000133  | .0006658 | .0017880 | .0007348 | .16692   | .0011337 |
| %RSD   | 3.573396 | 1.780653 | 2.055587 | 21.43207 | 28.91953 | .4102873 | .1744000 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0453154 | -.007556 | .0318269 | .0102808 | .0031611 | 40.49900 | .6487663 |
| #2 | .0428658 | -.007507 | .0322232 | .0067575 | .0027320 | 40.73236 | .6507473 |
| #3 | .0458648 | -.007305 | .0331261 | .0079896 | .0017293 | 40.82244 | .6507122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030722 | -.000341 | 31.93097 | .0343531 | .0400596 | .1037827 | 90.51075 |
| Stddev | .0000728 | .000054  | .05626   | .0003938 | .0002148 | .0043131 | .50292   |
| %RSD   | 2.369958 | 15.85068 | .1761910 | 1.146223 | .5361029 | 4.155911 | .5556422 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030579 | -.000401 | 31.91012 | .0344852 | .0399010 | .0990320 | 89.93510 |
| #2 | .0030075 | -.000324 | 31.88810 | .0339103 | .0399738 | .1048633 | 90.73231 |
| #3 | .0031510 | -.000297 | 31.99467 | .0346639 | .0403040 | .1074528 | 90.86485 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.923956 | 21.26309 | .0480686 | .0029289 | 2.101241 | .2208589 | .2197460 |
| Stddev | .002196  | .27071   | .0001307 | .0001516 | .176855  | .0050787 | .0138885 |
| %RSD   | .1141273 | 1.273142 | .2719483 | 5.175398 | 8.416682 | 2.299530 | 6.320264 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.925879 | 20.98935 | .0481575 | .0027577 | 1.971279 | .2150023 | .2353792 |
| #2 | 1.924426 | 21.53067 | .0481298 | .0029831 | 2.302640 | .2240486 | .2150270 |
| #3 | 1.921564 | 21.26925 | .0479185 | .0030460 | 2.029802 | .2235258 | .2088319 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.29921 | 8.243102 | .1116378 | .0012068 | .2834994 | 10.32001 | .0013377 |
| Stddev | .02479   | .008834  | .0004309 | .0003752 | .0088003 | .04727   | .0004617 |
| %RSD   | .2407452 | .1071709 | .3859451 | 31.09324 | 3.104167 | .4579983 | 34.51500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.27441 | 8.232910 | .1116759 | .0016358 | .2765500 | 10.26739 | .0018512 |
| #2 | 10.29922 | 8.248566 | .1120484 | .0009397 | .2805535 | 10.35886 | .0012051 |
| #3 | 10.32400 | 8.247831 | .1111892 | .0010449 | .2933947 | 10.33378 | .0009568 |

Sample Name: J5387-10      Acquired: 10/25/2018 13:26:41      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKK4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.164358 | .0678299 | .5053078 |
| Stddev | .010752  | .0009725 | .0005688 |
| %RSD   | .4967803 | 1.433667 | .1125740 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.152623 | .0669572 | .5056654 |
| #2 | 2.173736 | .0688782 | .5056060 |
| #3 | 2.166715 | .0676544 | .5046518 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2324.942 | 2649.298 | 50220.75 | 4781.097 | 3651.272 |
| Stddev    | 5.892    | 4.269    | 261.52   | 16.189   | 5.941    |
| %RSD      | .2534211 | .1611350 | .5207407 | .3386043 | .1627158 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2318.502 | 2647.934 | 50034.51 | 4796.199 | 3648.441 |
| #2 | 2326.264 | 2654.083 | 50519.73 | 4783.085 | 3658.099 |
| #3 | 2330.061 | 2645.879 | 50108.01 | 4764.005 | 3647.275 |

Sample Name: J5387-11      Acquired: 10/25/2018 13:30:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0609059 | -.010834 | .0376649 | .0106830 | .0038221 | 46.56305 | .8972611 |
| Stddev | .0019603 | .003556  | .0024515 | .0007802 | .0011588 | .07075   | .0006038 |
| %RSD   | 3.218491 | 32.82445 | 6.508853 | 7.303208 | 30.31905 | .1519547 | .0672914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0586555 | -.011975 | .0361607 | .0109138 | .0050035 | 46.48274 | .8965686 |
| #2 | .0618210 | -.006847 | .0363402 | .0113217 | .0026873 | 46.61622 | .8975374 |
| #3 | .0622413 | -.013679 | .0404938 | .0098134 | .0037755 | 46.59018 | .8976773 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031831 | -.000707 | 45.28725 | .0494414 | .0415506 | .0989317 | 127.3839 |
| Stddev | .0000805 | .000104  | .11172   | .0001696 | .0001845 | .0009943 | .1472    |
| %RSD   | 2.528224 | 14.72999 | .2466811 | .3431164 | .4440043 | 1.005075 | .1155870 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031478 | -.000731 | 45.19823 | .0492559 | .0416730 | .0997214 | 127.2945 |
| #2 | .0032752 | -.000593 | 45.25090 | .0494798 | .0413384 | .0992588 | 127.5539 |
| #3 | .0031263 | -.000798 | 45.41261 | .0495886 | .0416403 | .0978151 | 127.3034 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.242085 | 27.89361 | .0537907 | .0038125 | 2.992253 | .3427114 | .2355763 |
| Stddev | .005454  | .25372   | .0007631 | .0002554 | .147221  | .0093136 | .0100602 |
| %RSD   | .2432682 | .9095838 | 1.418673 | 6.697747 | 4.920083 | 2.717616 | 4.270446 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.241910 | 27.64801 | .0531822 | .0039820 | 3.136218 | .3371111 | .2261739 |
| #2 | 2.236720 | 28.15473 | .0535430 | .0039366 | 2.998564 | .3534626 | .2343696 |
| #3 | 2.247625 | 27.87809 | .0546469 | .0035188 | 2.841978 | .3375603 | .2461854 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.45075 | 6.482365 | .1441344 | .0011801 | .7911268 | 10.14832 | .0045758 |
| Stddev | .04134   | .014847  | .0026310 | .0000155 | .0030289 | .10257   | .0002218 |
| %RSD   | .3955716 | .2290388 | 1.825364 | 1.314164 | .3828612 | 1.010744 | 4.846124 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.49846 | 6.469041 | .1447210 | .0011911 | .7940274 | 10.07248 | .0046947 |
| #2 | 10.42569 | 6.479684 | .1412596 | .0011623 | .7913689 | 10.26503 | .0043200 |
| #3 | 10.42808 | 6.498370 | .1464225 | .0011868 | .7879841 | 10.10745 | .0047128 |

Sample Name: J5387-11      Acquired: 10/25/2018 13:30:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKK5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.963305 | .0677595 | .5867245 |
| Stddev | .012085  | .0007627 | .0012045 |
| %RSD   | .3049306 | 1.125578 | .2052894 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.965388 | .0670651 | .5873600 |
| #2 | 3.974213 | .0685758 | .5853354 |
| #3 | 3.950313 | .0676377 | .5874782 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2298.540 | 2624.220 | 50137.22 | 4808.187 | 3531.667 |
| Stddev    | 4.327    | 5.902    | 316.61   | 13.850   | 8.126    |
| %RSD      | .1882455 | .2249069 | .6314940 | .2880496 | .2300807 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2295.867 | 2618.818 | 49776.20 | 4813.512 | 3530.300 |
| #2 | 2303.532 | 2630.519 | 50267.79 | 4792.465 | 3540.390 |
| #3 | 2296.221 | 2623.322 | 50367.67 | 4818.584 | 3524.312 |

Sample Name: J5387-12      Acquired: 10/25/2018 13:34:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0460523 | -.008803 | .0402567 | .0083107 | .0008419 | 49.07784 | .6933052 |
| Stddev | .0041419 | .001848  | .0022341 | .0018673 | .0015848 | .17333   | .0031503 |
| %RSD   | 8.993858 | 20.98914 | 5.549626 | 22.46900 | 188.2540 | .3531695 | .4543928 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0436662 | -.010872 | .0427868 | .0078154 | .0005478 | 48.89316 | .6898107 |
| #2 | .0508350 | -.007318 | .0385556 | .0067409 | .0025531 | 49.10337 | .6959275 |
| #3 | .0436559 | -.008219 | .0394277 | .0103758 | -.000575 | 49.23699 | .6941774 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0033933 | -.000448 | 30.39126 | .0405172 | .0411234 | .1053391 | 102.6766 |
| Stddev | .0000455 | .000051  | .13223   | .0007486 | .0004427 | .0054617 | .8840    |
| %RSD   | 1.339295 | 11.37677 | .4351024 | 1.847608 | 1.076595 | 5.184852 | .8609537 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0033614 | -.000389 | 30.30932 | .0401192 | .0407569 | .1110759 | 102.9181 |
| #2 | .0034454 | -.000476 | 30.54381 | .0400516 | .0409981 | .1002021 | 101.6970 |
| #3 | .0033732 | -.000479 | 30.32065 | .0413807 | .0416153 | .1047391 | 103.4148 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.021872 | 25.90538 | .0515551 | .0032257 | 2.557631 | .2451534 | .2546403 |
| Stddev | .020357  | .32276   | .0003310 | .0005368 | .233615  | .0041495 | .0210179 |
| %RSD   | 1.006843 | 1.245937 | .6420112 | 16.63960 | 9.134022 | 1.692631 | 8.253955 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.037140 | 25.78596 | .0515577 | .0033881 | 2.365721 | .2475593 | .2644033 |
| #2 | 2.029717 | 25.65933 | .0512228 | .0026265 | 2.489411 | .2403620 | .2305165 |
| #3 | 1.998760 | 26.27083 | .0518848 | .0036625 | 2.817762 | .2475390 | .2690011 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.99189 | 6.729288 | .1249724 | .0012618 | .2425231 | 11.85636 | .0023926 |
| Stddev | .05746   | .013059  | .0035447 | .0002329 | .0027349 | .07900   | .0013354 |
| %RSD   | .4791813 | .1940584 | 2.836420 | 18.46070 | 1.127690 | .6662927 | 55.81399 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.02702 | 6.726161 | .1242888 | .0011241 | .2453109 | 11.81598 | .0022341 |
| #2 | 12.02307 | 6.718077 | .1218193 | .0011305 | .2424140 | 11.94739 | .0038003 |
| #3 | 11.92557 | 6.743627 | .1288092 | .0015307 | .2398443 | 11.80572 | .0011436 |

Sample Name: J5387-12      Acquired: 10/25/2018 13:34:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.559925 | .0848969 | .4708625 |
| Stddev | .005859  | .0011757 | .0016398 |
| %RSD   | .2288644 | 1.384858 | .3482466 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.564865 | .0847693 | .4715473 |
| #2 | 2.553452 | .0837902 | .4720489 |
| #3 | 2.561457 | .0861312 | .4689914 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2330.955 | 2659.122 | 50715.75 | 4844.975 | 3628.186 |
| Stddev    | 4.741    | .925     | 234.22   | 31.466   | 4.071    |
| %RSD      | .2033969 | .0347812 | .4618228 | .6494543 | .1122022 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2330.494 | 2660.189 | 50496.04 | 4850.120 | 3632.867 |
| #2 | 2335.909 | 2658.541 | 50689.02 | 4811.254 | 3626.222 |
| #3 | 2326.461 | 2658.637 | 50962.18 | 4873.552 | 3625.470 |

Sample Name: J5387-13      Acquired: 10/25/2018 13:38:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0538849 | -.008852 | .0327199 | .0055167 | .0029079 | 40.25335 | .6600644 |
| Stddev | .0019002 | .000780  | .0006223 | .0024011 | .0009301 | .25022   | .0022861 |
| %RSD   | 3.526365 | 8.809418 | 1.901811 | 43.52492 | 31.98702 | .6216202 | .3463496 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0533744 | -.008944 | .0325585 | .0071755 | .0024402 | 40.44768 | .6627007 |
| #2 | .0522921 | -.008030 | .0321942 | .0027633 | .0023043 | 39.97102 | .6586275 |
| #3 | .0559882 | -.009582 | .0334069 | .0066113 | .0039790 | 40.34137 | .6588652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0029907 | -.000145 | 40.49546 | .0359990 | .0386452 | .0900825 | 88.56837 |
| Stddev | .0000747 | .000128  | .08454   | .0004771 | .0002238 | .0014370 | .93936   |
| %RSD   | 2.498074 | 88.05763 | .2087623 | 1.325179 | .5791611 | 1.595175 | 1.060603 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0029311 | -.000282 | 40.56329 | .0355246 | .0383932 | .0915917 | 89.18969 |
| #2 | .0030745 | -.000027 | 40.52233 | .0359937 | .0388208 | .0887307 | 87.48773 |
| #3 | .0029665 | -.000127 | 40.40075 | .0364786 | .0387216 | .0899251 | 89.02769 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.163288 | 21.54263 | .0447118 | .0025427 | 2.443457 | .2100870 | .1937192 |
| Stddev | .016845  | .15970   | .0001141 | .0001600 | .166988  | .0009255 | .0113728 |
| %RSD   | .7786923 | .7413248 | .2552893 | 6.291538 | 6.834106 | .4405513 | 5.870762 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.170277 | 21.67056 | .0445958 | .0027272 | 2.598458 | .2111449 | .2044579 |
| #2 | 2.175514 | 21.36364 | .0447154 | .0024435 | 2.465285 | .2094268 | .1948958 |
| #3 | 2.144073 | 21.59369 | .0448240 | .0024574 | 2.266628 | .2096892 | .1818038 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.644573 | 6.572398 | .1051971 | .0009337 | .2661429 | 3.345199 | .0008296 |
| Stddev | .023883  | .026714  | .0028539 | .0002074 | .0043755 | .019357  | .0007690 |
| %RSD   | .2476360 | .4064587 | 2.712929 | 22.20886 | 1.644055 | .5786453 | 92.70080 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.648367 | 6.555676 | .1079855 | .0009765 | .2626505 | 3.323905 | .0015856 |
| #2 | 9.619020 | 6.558311 | .1022819 | .0007082 | .2647272 | 3.361729 | .0008551 |
| #3 | 9.666333 | 6.603207 | .1053240 | .0011163 | .2710510 | 3.349963 | .0000481 |



Sample Name: J5387-13      Acquired: 10/25/2018 13:38:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.006862 | .0667858 | .4679309 |
| Stddev | .015197  | .0015381 | .0016634 |
| %RSD   | .7572372 | 2.303043 | .3554685 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.024301 | .0684064 | .4696209 |
| #2 | 1.999825 | .0666047 | .4678761 |
| #3 | 1.996458 | .0653462 | .4662956 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2364.920 | 2696.839 | 51415.60 | 4918.261 | 3609.237 |
| Stddev    | 4.492    | 6.921    | 78.59    | 28.126   | 7.643    |
| %RSD      | .1899317 | .2566430 | .1528507 | .5718682 | .2117509 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2359.783 | 2694.324 | 51380.55 | 4950.190 | 3615.982 |
| #2 | 2366.873 | 2704.666 | 51360.64 | 4907.446 | 3610.792 |
| #3 | 2368.106 | 2691.527 | 51505.62 | 4897.148 | 3600.936 |

Sample Name: J5387-14      Acquired: 10/25/2018 13:42:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0579653 | -.010283 | .0385947 | .0071847 | .0024511 | 40.62611 | .5403086 |
| Stddev | .0057562 | .000642  | .0009095 | .0027143 | .0017830 | .30001   | .0034603 |
| %RSD   | 9.930443 | 6.244049 | 2.356621 | 37.77811 | 72.74170 | .7384599 | .6404304 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0627241 | -.011010 | .0375909 | .0099892 | .0006998 | 40.33710 | .5369635 |
| #2 | .0596047 | -.010044 | .0388291 | .0045708 | .0042642 | 40.60520 | .5400886 |
| #3 | .0515673 | -.009795 | .0393641 | .0069942 | .0023894 | 40.93602 | .5438736 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027324 | -.000266 | 31.63049 | .0515776 | .0333669 | .0848066 | 102.5963 |
| Stddev | .0000716 | .000032  | .18776   | .0003520 | .0002753 | .0074472 | 1.1136   |
| %RSD   | 2.622173 | 11.93340 | .5935945 | .6824659 | .8250306 | 8.781397 | 1.085396 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026933 | -.000260 | 31.45161 | .0512675 | .0332809 | .0930732 | 101.8946 |
| #2 | .0026888 | -.000238 | 31.61384 | .0515050 | .0336749 | .0827246 | 102.0140 |
| #3 | .0028151 | -.000300 | 31.82601 | .0519602 | .0331448 | .0786220 | 103.8803 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.694544 | 19.06951 | .0422941 | .0030061 | 2.095780 | .2427975 | .1882578 |
| Stddev | .006753  | .04044   | .0003396 | .0000292 | .024260  | .0062515 | .0118249 |
| %RSD   | .3985362 | .2120919 | .8029210 | .9710755 | 1.157555 | 2.574785 | 6.281250 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.689211 | 19.11453 | .0419252 | .0029943 | 2.121703 | .2362251 | .1884907 |
| #2 | 1.702138 | 19.05773 | .0425937 | .0029847 | 2.073624 | .2486690 | .1763181 |
| #3 | 1.692284 | 19.03626 | .0423634 | .0030394 | 2.092013 | .2434983 | .1999645 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.676548 | 8.847288 | .1136322 | .0007714 | .4166776 | 8.533721 | .0022216 |
| Stddev | .121676  | .029818  | .0020125 | .0000586 | .0020232 | .100708  | .0007586 |
| %RSD   | 1.402357 | .3370281 | 1.771056 | 7.595855 | .4855430 | 1.180114 | 34.14788 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.540156 | 8.817775 | .1114439 | .0007507 | .4189391 | 8.459825 | .0014002 |
| #2 | 8.715540 | 8.846687 | .1140489 | .0007260 | .4160541 | 8.492909 | .0023688 |
| #3 | 8.773950 | 8.877402 | .1154036 | .0008376 | .4150395 | 8.648429 | .0028958 |

Sample Name: J5387-14      Acquired: 10/25/2018 13:42:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKK8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.176101 | .0580504 | .3274576 |
| Stddev | .008533  | .0022157 | .0018659 |
| %RSD   | .3921113 | 3.816948 | .5698274 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.166458 | .0594621 | .3253040 |
| #2 | 2.179168 | .0591925 | .3285918 |
| #3 | 2.182676 | .0554966 | .3284769 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2497.126 | 2841.048 | 54227.99 | 5189.798 | 3637.112 |
| Stddev    | 11.901   | 9.495    | 118.31   | 43.604   | 9.744    |
| %RSD      | .4765748 | .3341927 | .2181661 | .8401812 | .2679146 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2497.659 | 2851.667 | 54117.00 | 5233.736 | 3648.093 |
| #2 | 2484.967 | 2838.100 | 54214.50 | 5189.122 | 3633.747 |
| #3 | 2508.751 | 2833.377 | 54352.46 | 5146.536 | 3629.496 |

Sample Name: J5387-15      Acquired: 10/25/2018 13:46:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKK9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0624441 | -.011940 | .0489595 | .0110796 | .0041992 | 68.52606 | .7999277 |
| Stddev | .0025634 | .001681  | .0026199 | .0012054 | .0005450 | .23996   | .0012720 |
| %RSD   | 4.105181 | 14.08109 | 5.351062 | 10.87908 | 12.97975 | .3501724 | .1590134 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0610794 | -.012828 | .0481649 | .0096949 | .0038281 | 68.60893 | .7993897 |
| #2 | .0654012 | -.012990 | .0468290 | .0116503 | .0048249 | 68.25565 | .8013803 |
| #3 | .0608518 | -.010001 | .0518847 | .0118936 | .0039445 | 68.71360 | .7990131 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044592 | -.000488 | 43.92801 | .0510150 | .0565176 | .1462459 | 132.9315 |
| Stddev | .0000206 | .000067  | .09286   | .0004252 | .0001845 | .0029173 | .9114    |
| %RSD   | .4615953 | 13.76623 | .2113880 | .8333962 | .3263801 | 1.994782 | .6856370 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044358 | -.000532 | 43.82100 | .0514381 | .0564679 | .1434227 | 133.4542 |
| #2 | .0044744 | -.000411 | 43.98736 | .0505878 | .0563631 | .1492489 | 131.8791 |
| #3 | .0044674 | -.000521 | 43.97568 | .0510191 | .0567218 | .1460661 | 133.4612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.726439 | 33.25591 | .0629289 | .0043105 | 3.119363 | .3043503 | .3057261 |
| Stddev | .012363  | .50410   | .0003163 | .0004221 | .089390  | .0030752 | .0208212 |
| %RSD   | .4534581 | 1.515825 | .5026768 | 9.792820 | 2.865647 | 1.010418 | 6.810419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.726882 | 33.70571 | .0631739 | .0046146 | 3.065036 | .3037446 | .3063596 |
| #2 | 2.713861 | 32.71104 | .0625717 | .0038286 | 3.070520 | .3016230 | .2845953 |
| #3 | 2.738576 | 33.35099 | .0630410 | .0044884 | 3.222533 | .3076833 | .3262233 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.32561 | 10.12240 | .1718715 | .0012807 | .3585576 | 13.42701 | .0043092 |
| Stddev | .07237   | .01753   | .0024464 | .0003146 | .0011645 | .03187   | .0004461 |
| %RSD   | .4177064 | .1731759 | 1.423403 | 24.56700 | .3247799 | .2373650 | 10.35289 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.24210 | 10.10565 | .1744782 | .0014159 | .3598365 | 13.42806 | .0047420 |
| #2 | 17.36487 | 10.12093 | .1696253 | .0009210 | .3575583 | 13.39463 | .0038508 |
| #3 | 17.36988 | 10.14062 | .1715109 | .0015051 | .3582782 | 13.45835 | .0043349 |

Sample Name: J5387-15      Acquired: 10/25/2018 13:46:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKK9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.304239 | .1184994 | .5911036 |
| Stddev | .013565  | .0004874 | .0014273 |
| %RSD   | .4105180 | .4113469 | .2414700 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.297804 | .1180078 | .5894736 |
| #2 | 3.295091 | .1189826 | .5917074 |
| #3 | 3.319824 | .1185078 | .5921299 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2365.522 | 2690.011 | 51714.10 | 4929.700 | 3609.393 |
| Stddev    | 13.603   | 6.539    | 140.64   | 18.274   | 9.969    |
| %RSD      | .5750543 | .2430921 | .2719596 | .3706895 | .2762090 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2352.540 | 2694.714 | 51651.13 | 4913.306 | 3614.166 |
| #2 | 2364.355 | 2692.776 | 51615.95 | 4926.391 | 3616.079 |
| #3 | 2379.671 | 2682.544 | 51875.23 | 4949.402 | 3597.934 |

Sample Name: J5387-16      Acquired: 10/25/2018 13:50:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKL0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0504993 | -.006154 | .0349779 | .0084597 | .0036036 | 43.02275 | .6307402 |
| Stddev | .0044177 | .001291  | .0015883 | .0012341 | .0011731 | .17944   | .0026833 |
| %RSD   | 8.748081 | 20.97878 | 4.540883 | 14.58783 | 32.55379 | .4170922 | .4254169 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0555956 | -.005353 | .0342115 | .0086710 | .0040659 | 42.81622 | .6278972 |
| #2 | .0477604 | -.005466 | .0339180 | .0095745 | .0022698 | 43.14041 | .6332284 |
| #3 | .0481417 | -.007643 | .0368040 | .0071336 | .0044752 | 43.11163 | .6310952 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030472 | -.000204 | 41.31939 | .0379081 | .0377429 | .0884073 | 92.75231 |
| Stddev | .0000282 | .000108  | .05564   | .0002016 | .0004878 | .0002379 | .81263   |
| %RSD   | .9265034 | 53.17528 | .1346532 | .5318916 | 1.292523 | .2690716 | .8761246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030780 | -.000087 | 41.26025 | .0377773 | .0375809 | .0881419 | 91.81746 |
| #2 | .0030411 | -.000301 | 41.32722 | .0378067 | .0373566 | .0884786 | 93.14982 |
| #3 | .0030225 | -.000224 | 41.37070 | .0381403 | .0382911 | .0886014 | 93.28966 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.946881 | 21.03404 | .0448061 | .0030556 | 3.045406 | .2338145 | .2223052 |
| Stddev | .009970  | .34412   | .0004853 | .0001068 | .429480  | .0023787 | .0063054 |
| %RSD   | .5121156 | 1.636001 | 1.083085 | 3.496527 | 14.10254 | 1.017331 | 2.836376 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.958313 | 20.64820 | .0444227 | .0030518 | 2.764949 | .2337836 | .2154676 |
| #2 | 1.942343 | 21.30919 | .0446440 | .0029506 | 2.831431 | .2362085 | .2278905 |
| #3 | 1.939987 | 21.14474 | .0453517 | .0031642 | 3.539839 | .2314515 | .2235574 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.54400 | 11.77998 | .1132101 | .0012297 | .4192264 | 11.19022 | .0022958 |
| Stddev | .04209   | .02865   | .0026168 | .0001602 | .0041250 | .06633   | .0008346 |
| %RSD   | .3645944 | .2432286 | 2.311468 | 13.02834 | .9839660 | .5927263 | 36.35425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.53522 | 11.79322 | .1102652 | .0013540 | .4168617 | 11.25615 | .0032489 |
| #2 | 11.58978 | 11.74711 | .1152685 | .0012863 | .4168279 | 11.12350 | .0019427 |
| #3 | 11.50699 | 11.79963 | .1140966 | .0010489 | .4239895 | 11.19100 | .0016957 |

Sample Name: J5387-16      Acquired: 10/25/2018 13:50:51      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKL0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.420103 | .0703626 | .5370983 |
| Stddev | .008283  | .0004324 | .0007300 |
| %RSD   | .3422777 | .6145814 | .1359061 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.413573 | .0699454 | .5363255 |
| #2 | 2.429421 | .0708088 | .5377761 |
| #3 | 2.417315 | .0703336 | .5371934 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2352.983 | 2664.701 | 51283.90 | 4905.326 | 3668.841 |
| Stddev    | 22.179   | 6.975    | 519.12   | 9.349    | 11.205   |
| %RSD      | .9426041 | .2617719 | 1.012257 | .1905892 | .3054130 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2376.445 | 2660.708 | 51839.11 | 4913.331 | 3669.407 |
| #2 | 2332.359 | 2672.755 | 50810.60 | 4895.051 | 3679.752 |
| #3 | 2350.145 | 2660.640 | 51201.98 | 4907.596 | 3657.363 |

Sample Name: J5387-17      Acquired: 10/25/2018 13:54:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKL1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0504669 | -.006992 | .0372390 | .0072352 | .0015531 | 40.24647 | .7207627 |
| Stddev | .0029970 | .003380  | .0007208 | .0019593 | .0007707 | .12435   | .0007489 |
| %RSD   | 5.938604 | 48.34481 | 1.935555 | 27.07967 | 49.62664 | .3089763 | .1038996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0476119 | -.008776 | .0379357 | .0087033 | .0015586 | 40.22969 | .7199305 |
| #2 | .0502007 | -.003093 | .0364963 | .0050104 | .0007796 | 40.13136 | .7209754 |
| #3 | .0535882 | -.009106 | .0372850 | .0079919 | .0023211 | 40.37836 | .7213822 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027756 | -.000362 | 29.42448 | .0365327 | .0377177 | .0893863 | 89.65473 |
| Stddev | .0000798 | .000044  | .06967   | .0003138 | .0002488 | .0040945 | .33644   |
| %RSD   | 2.873530 | 12.22373 | .2367826 | .8590480 | .6596698 | 4.580730 | .3752623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027529 | -.000408 | 29.34424 | .0362132 | .0374715 | .0867525 | 89.53748 |
| #2 | .0027097 | -.000359 | 29.46973 | .0365441 | .0379691 | .0873028 | 89.39260 |
| #3 | .0028643 | -.000320 | 29.45945 | .0368406 | .0377125 | .0941036 | 90.03410 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.320352 | 20.06972 | .0426710 | .0029907 | 2.083401 | .2334156 | .2052169 |
| Stddev | .005168  | .02927   | .0004125 | .0004500 | .119291  | .0058572 | .0099217 |
| %RSD   | .2227306 | .1458383 | .9667471 | 15.04624 | 5.725788 | 2.509323 | 4.834719 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.324594 | 20.03614 | .0431448 | .0033274 | 1.951347 | .2298582 | .2035583 |
| #2 | 2.314595 | 20.08322 | .0423916 | .0024796 | 2.183365 | .2302129 | .2158633 |
| #3 | 2.321866 | 20.08981 | .0424767 | .0031650 | 2.115491 | .2401758 | .1962290 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.407437 | 6.968931 | .1059662 | .0016812 | .2390573 | 9.387856 | .0026953 |
| Stddev | .041134  | .033767  | .0010965 | .0000521 | .0030269 | .048037  | .0004725 |
| %RSD   | .4372530 | .4845332 | 1.034734 | 3.099279 | 1.266177 | .5116887 | 17.53149 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.440008 | 6.931656 | .1068682 | .0016933 | .2358339 | 9.379541 | .0030395 |
| #2 | 9.361212 | 6.977665 | .1047458 | .0017263 | .2418393 | 9.344520 | .0028899 |
| #3 | 9.421091 | 6.997473 | .1062846 | .0016242 | .2394986 | 9.439507 | .0021566 |



Sample Name: J5387-17      Acquired: 10/25/2018 13:54:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKL1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.389179 | .0675957 | .4197450 |
| Stddev | .003821  | .0004447 | .0004001 |
| %RSD   | .1599311 | .6578641 | .0953282 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.386218 | .0671206 | .4193273 |
| #2 | 2.387827 | .0676647 | .4197826 |
| #3 | 2.393493 | .0680019 | .4201250 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2372.292 | 2694.469 | 51772.35 | 4931.074 | 3725.875 |
| Stddev    | 9.157    | 6.059    | 71.53    | 15.107   | 6.358    |
| %RSD      | .3860101 | .2248577 | .1381704 | .3063544 | .1706332 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2364.017 | 2694.195 | 51694.16 | 4918.721 | 3731.076 |
| #2 | 2370.728 | 2700.660 | 51788.37 | 4947.917 | 3727.761 |
| #3 | 2382.130 | 2688.552 | 51834.51 | 4926.585 | 3718.788 |

Sample Name: J5387-18      Acquired: 10/25/2018 13:58:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1120827 | -.008771 | .0290760 | .0081627 | .0023837 | 34.37138 | .5604519 |
| Stddev | .0006493 | .000536  | .0002204 | .0015786 | .0004062 | .15900   | .0014281 |
| %RSD   | .5793345 | 6.111228 | .7580661 | 19.33880 | 17.04253 | .4625951 | .2548109 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1117817 | -.008244 | .0290222 | .0094728 | .0021366 | 34.20757 | .5620958 |
| #2 | .1128279 | -.008754 | .0288875 | .0086051 | .0021620 | 34.38148 | .5595177 |
| #3 | .1116385 | -.009316 | .0293184 | .0064101 | .0028526 | 34.52508 | .5597422 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022466 | -.000425 | 21.26871 | .0355117 | .0355117 | .0927268 | 77.30935 |
| Stddev | .0000369 | .000023  | .03884   | .0004630 | .0003531 | .0034552 | .59292   |
| %RSD   | 1.641841 | 5.496309 | .1826046 | 1.303861 | .9943707 | 3.726253 | .7669467 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022057 | -.000452 | 21.28596 | .0351390 | .0351204 | .0966162 | 77.05687 |
| #2 | .0022773 | -.000413 | 21.22424 | .0353659 | .0358065 | .0915523 | 76.88446 |
| #3 | .0022568 | -.000410 | 21.29593 | .0360300 | .0356084 | .0900119 | 77.98672 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.304318 | 15.03708 | .0388386 | .0021281 | 3.380077 | .1910829 | .1729827 |
| Stddev | .018889  | .11456   | .0004457 | .0004154 | .077466  | .0035311 | .0058512 |
| %RSD   | 1.448157 | .7618440 | 1.147463 | 19.51936 | 2.291836 | 1.847920 | 3.382539 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.285114 | 14.91531 | .0385624 | .0024963 | 3.447465 | .1888261 | .1664761 |
| #2 | 1.304966 | 15.05322 | .0386007 | .0016778 | 3.295441 | .1951521 | .1746596 |
| #3 | 1.322875 | 15.14272 | .0393527 | .0022103 | 3.397326 | .1892705 | .1778124 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.585450 | 4.721348 | .0938153 | .0270554 | 10.53113 | 9.372911 | .0029599 |
| Stddev | .056353  | .019749  | .0015270 | .0001962 | .03999   | .072527  | .0005571 |
| %RSD   | .8557181 | .4182982 | 1.627702 | .7252129 | .3797123 | .7737906 | 18.81979 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.523275 | 4.707917 | .0929143 | .0269000 | 10.49533 | 9.304824 | .0023485 |
| #2 | 6.599915 | 4.712101 | .0929530 | .0269902 | 10.52379 | 9.449183 | .0030927 |
| #3 | 6.633160 | 4.744024 | .0955784 | .0272759 | 10.57429 | 9.364728 | .0034386 |

Sample Name: J5387-18      Acquired: 10/25/2018 13:58:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.490997 | .0534080 | .4016019 |
| Stddev | .023106  | .0007502 | .0015506 |
| %RSD   | .9275748 | 1.404670 | .3861097 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.481660 | .0530708 | .4007118 |
| #2 | 2.474020 | .0528857 | .4007014 |
| #3 | 2.517310 | .0542677 | .4033924 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2313.473 | 2643.496 | 50541.31 | 4879.032 | 3713.700 |
| Stddev    | 15.684   | 4.281    | 145.72   | 17.879   | 11.435   |
| %RSD      | .6779540 | .1619386 | .2883214 | .3664459 | .3079038 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2301.629 | 2647.463 | 50427.30 | 4899.562 | 3725.742 |
| #2 | 2331.260 | 2644.067 | 50705.49 | 4870.651 | 3712.367 |
| #3 | 2307.529 | 2638.959 | 50491.13 | 4866.882 | 3702.989 |

Sample Name: CCV083      Acquired: 10/25/2018 14:02:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV083      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.666138 | 4.658576 | 23.51696 | 4.618917 | 4.707570 | 394.6479 | 9.756748 |
| Stddev | .002800  | .004633  | .02282   | .006410  | .003629  | 1.2408   | .002616  |
| %RSD   | .0600037 | .0994547 | .0970406 | .1387814 | .0770884 | .3144156 | .0268081 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.664754 | 4.660352 | 23.49502 | 4.619520 | 4.703835 | 395.3042 | 9.758553 |
| #2 | 4.664300 | 4.662059 | 23.51529 | 4.625005 | 4.711082 | 395.4228 | 9.753749 |
| #3 | 4.669361 | 4.653318 | 23.54057 | 4.612227 | 4.707793 | 393.2168 | 9.757942 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4706671 | 2.335031 | 384.7272 | 13.96540 | 2.390873 | 14.56508 | 400.4808 |
| Stddev | .0048180 | .003129  | .4493    | .02633   | .006065  | .02871   | 2.0276   |
| %RSD   | 1.023650 | .1339911 | .1167733 | .1885704 | .2536592 | .1971149 | .5062797 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4661867 | 2.331524 | 384.3460 | 13.93517 | 2.383883 | 14.59671 | 401.8796 |
| #2 | .4757635 | 2.336032 | 384.6131 | 13.97762 | 2.393992 | 14.55786 | 401.4074 |
| #3 | .4700511 | 2.337537 | 385.2225 | 13.98340 | 2.394743 | 14.54066 | 398.1556 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.21874 | 388.7945 | 2.377468 | 1.212543 | 395.0790 | 2.419895 | 14.78133 |
| Stddev | .03816   | 2.2929   | .006149  | .007431  | 3.1833   | .012065  | .13561   |
| %RSD   | .2683490 | .5897555 | .2586411 | .6128343 | .8057427 | .4985827 | .9174601 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.21050 | 389.1748 | 2.371094 | 1.220613 | 396.8065 | 2.432146 | 14.92130 |
| #2 | 14.18537 | 390.8735 | 2.383364 | 1.211032 | 397.0251 | 2.419515 | 14.65054 |
| #3 | 14.26034 | 386.3352 | 2.377945 | 1.205984 | 391.4054 | 2.408025 | 14.77217 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 147.1334 | 52.02442 | 4.955468 | 4.643112 | 49.66144 | 4.734748 | 4.753930 |
| Stddev | .2209    | .02732   | .044431  | .003690  | .03646   | .063842  | .015665  |
| %RSD   | .1501522 | .0525080 | .8966123 | .0794777 | .0734098 | 1.348374 | .3295227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 147.1446 | 51.99379 | 4.917370 | 4.639073 | 49.61942 | 4.674426 | 4.742565 |
| #2 | 147.3484 | 52.03324 | 5.004275 | 4.643955 | 49.68463 | 4.801607 | 4.747426 |
| #3 | 146.9070 | 52.04624 | 4.944758 | 4.646307 | 49.68027 | 4.728212 | 4.771800 |

Sample Name: CCV083      Acquired: 10/25/2018 14:02:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV083      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.840355 | 4.928354 | 4.891663 |
| Stddev | .005974  | .007725  | .004416  |
| %RSD   | .1234300 | .1567528 | .0902763 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.841781 | 4.931006 | 4.893198 |
| #2 | 4.845487 | 4.934405 | 4.886684 |
| #3 | 4.833796 | 4.919652 | 4.895106 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1962.713 | 2173.869 | 45895.05 | 4439.279 | 3011.824 |
| Stddev    | 10.577   | 1.731    | 137.27   | 29.265   | 1.014    |
| %RSD      | .5388772 | .0796274 | .2990863 | .6592278 | .0336838 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1950.744 | 2171.887 | 45753.52 | 4443.741 | 3012.995 |
| #2 | 1966.597 | 2175.086 | 46027.61 | 4408.039 | 3011.207 |
| #3 | 1970.799 | 2174.632 | 45904.03 | 4466.057 | 3011.270 |

Sample Name: CCB083      Acquired: 10/25/2018 14:06:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB083      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009591 | -.001089 | -.000072 | .0031315 | -.000305 | .0034992 | -.000804 |
| Stddev | .0025609 | .001855  | .001522  | .0022505 | .001203  | .0068312 | .000725  |
| %RSD   | 267.0042 | 170.3102 | 2108.860 | 71.86539 | 394.6680 | 195.2231 | 90.18915 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015297 | .001017  | .001310  | .0051749 | -.001692 | .0095870 | -.000513 |
| #2 | -.001839 | -.001805 | .000176  | .0007195 | .000447  | -.003889 | -.001630 |
| #3 | .003187  | -.002480 | -.001703 | .0035001 | .000331  | .004799  | -.000270 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000642 | .0000444 | -.008706 | .0001679 | -.000432 | -.004864 | -.023292 |
| Stddev | .0000199 | .0000266 | .007267  | .0000329 | .000188  | .003490  | .013754  |
| %RSD   | 30.98225 | 59.85258 | 83.47465 | 19.59968 | 43.58321 | 71.76707 | 59.04711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000832 | .0000364 | -.000952 | .0001754 | -.000327 | -.005390 | -.025853 |
| #2 | .0000435 | .0000742 | -.009805 | .0001319 | -.000649 | -.001140 | -.035586 |
| #3 | .0000658 | .0000228 | -.015361 | .0001964 | -.000320 | -.008061 | -.008439 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008232 | -.023426 | .0007076 | .0003556 | .0555488 | -.006720 | .0035649 |
| Stddev | .0004601 | .047013  | .0004981 | .0002776 | .1103978 | .003271  | .0144111 |
| %RSD   | 55.88950 | 200.6878 | 70.38263 | 78.06329 | 198.7402 | 48.67166 | 404.2487 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005032 | .029880  | .0003699 | .0004038 | -.052872 | -.005218 | .0008652 |
| #2 | .0006159 | -.041185 | .0004734 | .0000571 | .167822  | -.004469 | .0191349 |
| #3 | .0013505 | -.058973 | .0012796 | .0006059 | .051696  | -.010471 | -.009305 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.091525 | -.001357 | .0082463 | .0000782 | -.001239 | .0003593 | -.001233 |
| Stddev | .042146  | .000446  | .0009130 | .0001273 | .002036  | .0003849 | .000230  |
| %RSD   | 46.04859 | 32.85630 | 11.07159 | 162.7548 | 164.2689 | 107.1384 | 18.62262 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.046462 | -.001000 | .0088210 | .0002064 | .001097  | .0003004 | -.001215 |
| #2 | -.129971 | -.001215 | .0087243 | -.000048 | -.002184 | .0007703 | -.001013 |
| #3 | -.098143 | -.001857 | .0071935 | .000076  | -.002631 | .0000072 | -.001471 |

Sample Name: CCB083      Acquired: 10/25/2018 14:06:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB083      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0007273 | .0039685 | -.000029 |
| Stddev | .0026694 | .0009578 | .000072  |
| %RSD   | 367.0330 | 24.13413 | 251.5363 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001892 | .0042750 | -.000077 |
| #2 | .000629  | .0047355 | -.000063 |
| #3 | .003444  | .0028950 | .000054  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2168.278 | 2538.139 | 46919.44 | 4493.058 | 3722.803 |
| Stddev    | 6.978    | 17.057   | 144.20   | 36.072   | 24.212   |
| %RSD      | .3218146 | .6720155 | .3073389 | .8028488 | .6503755 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2163.747 | 2518.916 | 46769.76 | 4454.750 | 3695.966 |
| #2 | 2164.773 | 2544.040 | 46931.10 | 4526.375 | 3729.432 |
| #3 | 2176.313 | 2551.462 | 47057.46 | 4498.050 | 3743.010 |

Sample Name: J5387-19      Acquired: 10/25/2018 14:10:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0821941 | -.007350 | .0301488 | .0053828 | .0025052 | 29.54177 | .6523286 |
| Stddev | .0013427 | .001237  | .0020585 | .0012527 | .0013366 | .07136   | .0015892 |
| %RSD   | 1.633527 | 16.82418 | 6.827910 | 23.27282 | 53.35084 | .2415481 | .2436175 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0822904 | -.007759 | .0295533 | .0039428 | .0013070 | 29.55713 | .6540846 |
| #2 | .0808059 | -.008330 | .0324394 | .0059846 | .0039467 | 29.60420 | .6519119 |
| #3 | .0834860 | -.005961 | .0284537 | .0062212 | .0022620 | 29.46398 | .6509892 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026879 | -.000449 | 26.68598 | .0288660 | .0451142 | .0672718 | 86.79878 |
| Stddev | .0000452 | .000068  | .08978   | .0001330 | .0004987 | .0049166 | .85837   |
| %RSD   | 1.680295 | 15.18514 | .3364374 | .4607030 | 1.105327 | 7.308551 | .9889145 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026549 | -.000458 | 26.77535 | .0289612 | .0452737 | .0696306 | 86.31400 |
| #2 | .0027394 | -.000513 | 26.59579 | .0287140 | .0455136 | .0705645 | 87.78986 |
| #3 | .0026694 | -.000377 | 26.68679 | .0289227 | .0445553 | .0616203 | 86.29248 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.288408 | 15.50424 | .0492085 | .0027527 | 1.616504 | .2336281 | .1760156 |
| Stddev | .019750  | .15176   | .0001012 | .0000389 | .260649  | .0033898 | .0154139 |
| %RSD   | .6005857 | .9788438 | .2056635 | 1.412837 | 16.12423 | 1.450938 | 8.757146 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.280622 | 15.56764 | .0491015 | .0027124 | 1.316003 | .2355464 | .1606287 |
| #2 | 3.273738 | 15.61401 | .0492213 | .0027557 | 1.752197 | .2356236 | .1759617 |
| #3 | 3.310864 | 15.33105 | .0493026 | .0027901 | 1.781312 | .2297141 | .1914565 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.919307 | 7.805308 | .0873386 | .0029216 | .3284283 | 6.960580 | .0010827 |
| Stddev | .031585  | .028291  | .0014364 | .0000274 | .0015265 | .054634  | .0007780 |
| %RSD   | .8058762 | .3624545 | 1.644629 | .9360229 | .4647758 | .7849007 | 71.85828 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.936610 | 7.825910 | .0859756 | .0028903 | .3301457 | 6.991361 | .0003576 |
| #2 | 3.938458 | 7.773052 | .0888386 | .0029338 | .3279127 | 6.992878 | .0009859 |
| #3 | 3.882851 | 7.816962 | .0872017 | .0029408 | .3272263 | 6.897500 | .0019047 |



Sample Name: J5387-19      Acquired: 10/25/2018 14:10:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKN5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.090268 | .0453662 | .3703578 |
| Stddev | .002567  | .0006634 | .0016305 |
| %RSD   | .1227835 | 1.462268 | .4402488 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.090458 | .0458754 | .3699268 |
| #2 | 2.087611 | .0456072 | .3689861 |
| #3 | 2.092734 | .0446160 | .3721605 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2352.983 | 2697.364 | 51528.60 | 4916.215 | 3679.732 |
| Stddev    | 10.786   | 6.883    | 184.24   | 10.737   | 6.855    |
| %RSD      | .4584108 | .2551851 | .3575423 | .2184001 | .1862802 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2355.685 | 2689.877 | 51426.73 | 4913.138 | 3672.121 |
| #2 | 2362.161 | 2698.797 | 51741.27 | 4907.353 | 3685.420 |
| #3 | 2341.102 | 2703.418 | 51417.79 | 4928.155 | 3681.654 |

Sample Name: J5387-20      Acquired: 10/25/2018 14:14:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0391226 | -.006250 | .0366585 | .0067794 | .0032939 | 36.74279 | .6935444 |
| Stddev | .0031249 | .002930  | .0009633 | .0029509 | .0020869 | .07396   | .0023249 |
| %RSD   | 7.987456 | 46.87755 | 2.627801 | 43.52733 | 63.35774 | .2012903 | .3352144 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0390591 | -.003731 | .0371900 | .0064619 | .0048197 | 36.82787 | .6910959 |
| #2 | .0360300 | -.005553 | .0372390 | .0098763 | .0041463 | 36.70671 | .6938152 |
| #3 | .0422788 | -.009465 | .0355465 | .0040001 | .0009157 | 36.69380 | .6957219 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027006 | -.000201 | 28.54850 | .0614630 | .0412222 | .0794662 | 87.55023 |
| Stddev | .0000600 | .000060  | .06753   | .0003634 | .0001998 | .0014583 | .44994   |
| %RSD   | 2.220218 | 30.02133 | .2365291 | .5912230 | .4847606 | 1.835125 | .5139217 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027689 | -.000153 | 28.47053 | .0610667 | .0414058 | .0781124 | 88.06387 |
| #2 | .0026763 | -.000269 | 28.58752 | .0617805 | .0412514 | .0810103 | 87.36106 |
| #3 | .0026566 | -.000182 | 28.58746 | .0615417 | .0410094 | .0792758 | 87.22576 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.076288 | 18.00476 | .0661325 | .0031200 | 1.668371 | .1974773 | .1964027 |
| Stddev | .014973  | .09105   | .0005999 | .0003151 | .378778  | .0023294 | .0103200 |
| %RSD   | .4867243 | .5057167 | .9071423 | 10.09898 | 22.70346 | 1.179570 | 5.254499 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.066975 | 18.09541 | .0668040 | .0034466 | 2.103582 | .1972580 | .2067323 |
| #2 | 3.068329 | 18.00555 | .0656494 | .0030956 | 1.488390 | .1952654 | .1963836 |
| #3 | 3.093560 | 17.91331 | .0659441 | .0028179 | 1.413139 | .1999086 | .1860923 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.010044 | 4.781803 | .0955464 | .0057847 | 1.012447 | 10.60688 | .0007817 |
| Stddev | .081100  | .011329  | .0024489 | .0002656 | .004983  | .02139   | .0021804 |
| %RSD   | 1.349408 | .2369252 | 2.563088 | 4.591154 | .4921285 | .2016912 | 278.9225 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.102667 | 4.771310 | .0983043 | .0059207 | 1.007852 | 10.62830 | .0032414 |
| #2 | 5.975689 | 4.780285 | .0936265 | .0054786 | 1.017743 | 10.58552 | .0000174 |
| #3 | 5.951776 | 4.793815 | .0947084 | .0059548 | 1.011746 | 10.60681 | -.000914 |

Sample Name: J5387-20      Acquired: 10/25/2018 14:14:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.873530 | .0516942 | .3815515 |
| Stddev | .001505  | .0006531 | .0008394 |
| %RSD   | .0803506 | 1.263402 | .2199865 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.875158 | .0519993 | .3825102 |
| #2 | 1.872188 | .0509443 | .3809490 |
| #3 | 1.873244 | .0521388 | .3811954 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2333.337 | 2669.305 | 50941.86 | 4917.434 | 3721.519 |
| Stddev    | 18.770   | 3.767    | 276.00   | 20.072   | 6.757    |
| %RSD      | .8044296 | .1411179 | .5417952 | .4081740 | .1815531 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2313.336 | 2667.760 | 50635.43 | 4895.597 | 3715.157 |
| #2 | 2336.106 | 2673.599 | 51170.91 | 4921.626 | 3728.611 |
| #3 | 2350.568 | 2666.557 | 51019.25 | 4935.078 | 3720.791 |

Sample Name: J5387-21      Acquired: 10/25/2018 14:18:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0389985 | -.005202 | .0368480 | .0057509 | .0027812 | 37.16521 | .6987232 |
| Stddev | .0018395 | .001300  | .0022372 | .0012533 | .0010429 | .15346   | .0024046 |
| %RSD   | 4.716839 | 24.98756 | 6.071362 | 21.79272 | 37.49830 | .4129183 | .3441397 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0405623 | -.004611 | .0390199 | .0043811 | .0028498 | 37.20156 | .6991601 |
| #2 | .0394614 | -.004302 | .0345508 | .0068401 | .0017057 | 37.29723 | .7008795 |
| #3 | .0369717 | -.006692 | .0369733 | .0060314 | .0037881 | 36.99683 | .6961302 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027671 | -.000328 | 28.79935 | .0611555 | .0416405 | .0830844 | 88.94939 |
| Stddev | .0000878 | .000021  | .06311   | .0001058 | .0003372 | .0045880 | .42877   |
| %RSD   | 3.171569 | 6.396520 | .2191317 | .1729709 | .8097052 | 5.522050 | .4820421 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027892 | -.000319 | 28.77612 | .0612665 | .0418711 | .0848425 | 88.97871 |
| #2 | .0028417 | -.000313 | 28.87078 | .0611441 | .0417968 | .0778774 | 89.36275 |
| #3 | .0026704 | -.000352 | 28.75115 | .0610559 | .0412535 | .0865333 | 88.50671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.109364 | 18.24826 | .0661721 | .0031472 | 1.994773 | .2027514 | .2104791 |
| Stddev | .016800  | .05386   | .0000260 | .0001068 | .061902  | .0027326 | .0074447 |
| %RSD   | .5403126 | .2951378 | .0392344 | 3.393210 | 3.103213 | 1.347771 | 3.537027 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.098002 | 18.28547 | .0661501 | .0031564 | 2.038531 | .2048790 | .2188971 |
| #2 | 3.128662 | 18.18650 | .0662007 | .0030362 | 2.021842 | .1996696 | .2077791 |
| #3 | 3.101429 | 18.27281 | .0661656 | .0032491 | 1.923947 | .2037055 | .2047612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.191777 | 4.845564 | .0964642 | .0059264 | 1.024521 | 10.72744 | .0020349 |
| Stddev | .041447  | .008736  | .0006374 | .0002698 | .002811  | .12492   | .0009632 |
| %RSD   | .6693884 | .1802943 | .6607167 | 4.552009 | .2743357 | 1.164460 | 47.33222 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.236866 | 4.852592 | .0957496 | .0061215 | 1.021862 | 10.77137 | .0010873 |
| #2 | 6.183129 | 4.835782 | .0969738 | .0060391 | 1.024238 | 10.82445 | .0020046 |
| #3 | 6.155337 | 4.848317 | .0966693 | .0056185 | 1.027462 | 10.58649 | .0030129 |

Sample Name: J5387-21      Acquired: 10/25/2018 14:18:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKN6D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.901181 | .0538606 | .3848217 |
| Stddev | .009331  | .0010271 | .0018251 |
| %RSD   | .4908215 | 1.906951 | .4742641 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.894023 | .0540013 | .3838098 |
| #2 | 1.911735 | .0548101 | .3869285 |
| #3 | 1.897784 | .0527704 | .3837267 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2305.826 | 2620.807 | 50059.59 | 4819.773 | 3654.245 |
| Stddev    | 9.705    | 5.518    | 72.52    | 46.916   | 2.991    |
| %RSD      | .4208814 | .2105589 | .1448627 | .9734137 | .0818482 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2296.741 | 2614.470 | 50024.51 | 4796.766 | 3650.846 |
| #2 | 2316.050 | 2624.554 | 50142.97 | 4788.801 | 3655.416 |
| #3 | 2304.688 | 2623.395 | 50011.28 | 4873.751 | 3656.473 |

Sample Name: J5387-22      Acquired: 10/25/2018 14:22:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1020398 | .0705093 | .0652834 | .0845566 | .1598144 | 38.91260 | 4.084918 |
| Stddev | .0019258 | .0025789 | .0012424 | .0011052 | .0012791 | .12377   | .009012  |
| %RSD   | 1.887273 | 3.657489 | 1.903097 | 1.307038 | .8003901 | .3180673 | .2206143 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1031718 | .0688613 | .0641644 | .0833661 | .1610119 | 38.78325 | 4.074641 |
| #2 | .0998163 | .0691854 | .0666204 | .0855499 | .1584668 | 38.92466 | 4.091471 |
| #3 | .1031315 | .0734813 | .0650654 | .0847540 | .1599645 | 39.02990 | 4.088642 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0814843 | .0828414 | 27.75346 | .3834873 | .8883742 | .5106972 | 87.54182 |
| Stddev | .0005042 | .0001415 | .03974   | .0019135 | .0004734 | .0019931 | .97635   |
| %RSD   | .6188224 | .1708257 | .1431807 | .4989775 | .0532929 | .3902697 | 1.115298 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0817446 | .0830048 | 27.72860 | .3850033 | .8883105 | .5109324 | 87.26925 |
| #2 | .0818052 | .0827617 | 27.79930 | .3813372 | .8879358 | .5125622 | 86.73072 |
| #3 | .0809031 | .0827577 | 27.73250 | .3841213 | .8888763 | .5085969 | 88.62549 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.817408 | 17.42384 | .9229861 | .0763738 | 1.925589 | 1.051848 | 1.049225 |
| Stddev | .029515  | .22013   | .0021750 | .0006499 | .041770  | .003869  | .009395  |
| %RSD   | .7731797 | 1.263396 | .2356508 | .8509500 | 2.169229 | .3678060 | .8954416 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.842034 | 17.42761 | .9210800 | .0759926 | 1.972848 | 1.049507 | 1.059973 |
| #2 | 3.825498 | 17.20185 | .9253554 | .0760046 | 1.893609 | 1.049724 | 1.045127 |
| #3 | 3.784691 | 17.64206 | .9225229 | .0771242 | 1.910311 | 1.056314 | 1.042575 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.846518 | 49.17655 | 1.132393 | .8226100 | 43.07949 | 10.34802 | .0013116 |
| Stddev | .025061  | .04387   | .005560  | .0018249 | .07742   | .05146   | .0004114 |
| %RSD   | .4286457 | .0892027 | .4909569 | .2218422 | .1797102 | .4972580 | 31.36448 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.838038 | 49.12768 | 1.127038 | .8207182 | 42.99063 | 10.32870 | .0013331 |
| #2 | 5.826798 | 49.21252 | 1.138137 | .8227520 | 43.13239 | 10.40634 | .0017118 |
| #3 | 5.874719 | 49.18945 | 1.132005 | .8243597 | 43.11544 | 10.30902 | .0008899 |

Sample Name: J5387-22      Acquired: 10/25/2018 14:22:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.830099 | .0512765 | .3730625 |
| Stddev | .006498  | .0018489 | .0007534 |
| %RSD   | .3550553 | 3.605656 | .2019505 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.829072 | .0491628 | .3735301 |
| #2 | 1.824175 | .0525928 | .3734640 |
| #3 | 1.837049 | .0520741 | .3721934 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2342.773 | 2667.313 | 51254.12 | 4960.816 | 3748.767 |
| Stddev    | 5.389    | 4.174    | 166.72   | 23.389   | 2.945    |
| %RSD      | .2300122 | .1564701 | .3252789 | .4714761 | .0785679 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2348.982 | 2669.359 | 51114.65 | 4962.792 | 3751.967 |
| #2 | 2339.321 | 2670.069 | 51438.77 | 4936.501 | 3746.169 |
| #3 | 2340.015 | 2662.512 | 51208.94 | 4983.154 | 3748.166 |

Sample Name: J5387-20LX5      Acquired: 10/25/2018 14:26:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAKN6L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0094020 | -.003533 | .0078419 | .0017407 | .0001218 | 8.031344 | .1520445 |
| Stddev | .0030109 | .000402  | .0010275 | .0019303 | .0011992 | .051350  | .0012685 |
| %RSD   | 32.02427 | 11.38722 | 13.10240 | 110.8930 | 984.1789 | .6393662 | .8342852 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0128152 | -.003074 | .0077291 | .0037694 | -.000310 | 8.056121 | .1512348 |
| #2 | .0082688 | -.003700 | .0068754 | .0015260 | -.000801 | 8.065608 | .1535064 |
| #3 | .0071222 | -.003825 | .0089211 | -.000073 | .001477  | 7.972304 | .1513924 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006380 | -.000087 | 6.346238 | .0136378 | .0082412 | .0118486 | 19.18730 |
| Stddev | .0000358 | .000062  | .048343  | .0002962 | .0002540 | .0005820 | .11122   |
| %RSD   | 5.617765 | 70.70983 | .7617508 | 2.171698 | 3.081917 | 4.911578 | .5796526 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006177 | -.000100 | 6.291280 | .0134706 | .0081250 | .0111986 | 19.05897 |
| #2 | .0006170 | -.000142 | 6.382185 | .0139798 | .0080661 | .0120257 | 19.25555 |
| #3 | .0006794 | -.000020 | 6.365247 | .0134631 | .0085325 | .0123214 | 19.24740 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6817920 | 3.936097 | .0136524 | .0006568 | .2446136 | .0357863 | .0491276 |
| Stddev | .0022652 | .038174  | .0001246 | .0000396 | .0809996 | .0037978 | .0074255 |
| %RSD   | .3322433 | .9698472 | .9130260 | 6.028202 | 33.11329 | 10.61245 | 15.11461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6797922 | 3.955048 | .0137960 | .0006941 | .3042468 | .0392783 | .0576877 |
| #2 | .6813317 | 3.961088 | .0135719 | .0006610 | .1523963 | .0317429 | .0444218 |
| #3 | .6842520 | 3.892155 | .0135894 | .0006153 | .2771975 | .0363378 | .0452734 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.309867 | 1.022809 | .0238152 | .0014511 | .2213733 | 2.382640 | -.001607 |
| Stddev | .069162  | .004905  | .0014652 | .0001093 | .0021999 | .008106  | .000582  |
| %RSD   | 5.280057 | .4795416 | 6.152432 | 7.534282 | .9937358 | .3402055 | 36.25100 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.230131 | 1.018710 | .0230829 | .0015531 | .2232640 | 2.390603 | -.002063 |
| #2 | 1.353595 | 1.028243 | .0255022 | .0013357 | .2189588 | 2.382918 | -.001805 |
| #3 | 1.345876 | 1.021474 | .0228604 | .0014646 | .2218972 | 2.374398 | -.000951 |



Sample Name: J5387-20LX5      Acquired: 10/25/2018 14:26:39      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAKN6L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4120047 | .0106125 | .0846901 |
| Stddev | .0033916 | .0005015 | .0003546 |
| %RSD   | .8231907 | 4.725292 | .4186536 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4111032 | .0108703 | .0844079 |
| #2 | .4157560 | .0100346 | .0850880 |
| #3 | .4091550 | .0109326 | .0845744 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2166.664 | 2513.262 | 47057.12 | 4542.817 | 3657.787 |
| Stddev    | 8.883    | 2.609    | 205.57   | 5.791    | 4.943    |
| %RSD      | .4099981 | .1038190 | .4368532 | .1274846 | .1351426 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2156.835 | 2514.264 | 46855.40 | 4536.525 | 3661.178 |
| #2 | 2174.121 | 2510.300 | 47049.65 | 4544.000 | 3652.115 |
| #3 | 2169.036 | 2515.221 | 47266.33 | 4547.925 | 3660.068 |

Sample Name: PB114138BL      Acquired: 10/25/2018 14:30:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS138      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001347 | -.000710 | -.001119 | .0005817 | -.000310 | -.004505 | -.001464 |
| Stddev | .001946  | .002609  | .000386  | .0002434 | .000643  | .007523  | .000808  |
| %RSD   | 144.5151 | 367.2432 | 34.48174 | 41.85043 | 207.4691 | 166.9983 | 55.15558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002441 | .002175  | -.000708 | .0003145 | -.000605 | -.004442 | -.000708 |
| #2 | -.002499 | -.002902 | -.001473 | .0007910 | .000427  | .002987  | -.002315 |
| #3 | .000900  | -.001405 | -.001177 | .0006395 | -.000751 | -.012059 | -.001370 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000218 | -.000008 | -.012797 | -.000104 | -.000058 | -.007067 | .0010369 |
| Stddev | .0000377 | .000024  | .009230  | .000498  | .000111  | .003007  | .0291566 |
| %RSD   | 172.2698 | 295.8400 | 72.12849 | 477.6283 | 190.5853 | 42.55893 | 2811.822 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000631 | .000012  | -.002320 | .000377  | -.000097 | -.007774 | .0259207 |
| #2 | .0000131 | -.000035 | -.016340 | -.000617 | .000067  | -.009657 | -.031044 |
| #3 | -.000011 | -.000002 | -.019732 | -.000072 | -.000145 | -.003769 | .008235  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005411 | .0878668 | .0004817 | .0001265 | .0743903 | -.004079 | .0024474 |
| Stddev | .0006121 | .0221843 | .0001519 | .0002889 | .1912594 | .005122  | .0139675 |
| %RSD   | 113.1309 | 25.24761 | 31.53042 | 228.3581 | 257.1027 | 125.5872 | 570.7054 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012110 | .0908122 | .0006430 | .0004513 | .2082747 | .000558  | .0069652 |
| #2 | .0000110 | .1084313 | .0004608 | .0000298 | .1595545 | -.003218 | .0135969 |
| #3 | .0004012 | .0643570 | .0003414 | -.000102 | -.144658 | -.009577 | -.013220 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.209377 | -.003893 | .0002597 | -.000191 | -.001134 | -.000563 | -.002784 |
| Stddev | .056778  | .002911  | .0008602 | .000201  | .002092  | .000612  | .000405  |
| %RSD   | 27.11735 | 74.77240 | 331.2392 | 105.3400 | 184.4782 | 108.7328 | 14.53805 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.215685 | -.005661 | .0010650 | -.000054 | -.002908 | -.001266 | -.002415 |
| #2 | -.262737 | -.000533 | -.000647 | -.000097 | .001173  | -.000272 | -.002720 |
| #3 | -.149709 | -.005485 | .000361  | -.000422 | -.001667 | -.000150 | -.003217 |

Sample Name: PB114138BL      Acquired: 10/25/2018 14:30:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS138      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003813 | -.002333 | -.000038 |
| Stddev | .0017606 | .000963  | .000073  |
| %RSD   | 461.7037 | 41.27100 | 195.2102 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0022330 | -.001830 | .000021  |
| #2 | .0001821 | -.001725 | -.000014 |
| #3 | -.001271 | -.003443 | -.000120 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2230.507 | 2564.901 | 48398.53 | 4659.408 | 3765.898 |
| Stddev    | 11.538   | .329     | 105.13   | 7.607    | 3.872    |
| %RSD      | .5172678 | .0128260 | .2172264 | .1632699 | .1028194 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2239.343 | 2564.528 | 48284.41 | 4662.600 | 3769.793 |
| #2 | 2217.454 | 2565.024 | 48419.73 | 4664.900 | 3762.049 |
| #3 | 2234.725 | 2565.150 | 48491.45 | 4650.725 | 3765.851 |

Sample Name: PB114138BS      Acquired: 10/25/2018 14:34:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS138      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | As1890     | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F .0125199 | .0413058 | .0167401 | .0627547 | .1021248 | .3257520 |
| Stddev | .0028720   | .0006818 | .0008206 | .0014061 | .0014536 | .0104042 |
| %RSD   | 22.93935   | 1.650558 | 4.902043 | 2.240639 | 1.423328 | 3.193910 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0149619 | .0412433 | .0160450 | .0639524 | .1018388 | .3251151 |
| #2 | .0093557 | .0406574 | .0176454 | .0631052 | .1037001 | .3364600 |
| #3 | .0132420 | .0420167 | .0165300 | .0612065 | .1008354 | .3156808 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3510747 | .0086203 | .0084575 | 8.790987 | .0181230 | .0826243 |
| Stddev | .0021720 | .0000883 | .0001111 | .002933  | .0003051 | .0007922 |
| %RSD   | .6186759 | 1.024847 | 1.313435 | .0333583 | 1.683680 | .9588194 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3535826 | .0085942 | .0083310 | 8.788329 | .0181718 | .0820305 |
| #2 | .3498395 | .0087188 | .0085393 | 8.794133 | .0184007 | .0823186 |
| #3 | .3498020 | .0085479 | .0085022 | 8.790500 | .0177964 | .0835238 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0400102 | .1830767 | .0284521 | 8.391209 | .0695455 | .0168245 |
| Stddev | .0026940 | .0167848 | .0004202 | .065802  | .0008831 | .0001797 |
| %RSD   | 6.733205 | 9.168174 | 1.476948 | .7841775 | 1.269772 | 1.068067 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0402677 | .1698641 | .0279689 | 8.448949 | .0693000 | .0170013 |
| #2 | .0425662 | .2019631 | .0287315 | 8.405112 | .0688113 | .0168302 |
| #3 | .0371967 | .1774030 | .0286560 | 8.319566 | .0705254 | .0166420 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 8.277562 | .0901774 | .1031640 | 7.818385 | F 8.872656 | F .1961715 |
| Stddev | .190076  | .0041305 | .0153113 | .062155  | .031868    | .0009974   |
| %RSD   | 2.296280 | 4.580452 | 14.84173 | .7949825 | .3591712   | .5084168   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.467900 | .0934704 | .0975518 | 7.856411 | 8.852621 | .1968084 |
| #2 | 8.277036 | .0855429 | .0914507 | 7.852086 | 8.855942 | .1966840 |
| #3 | 8.087750 | .0915189 | .1204896 | 7.746658 | 8.909404 | .1950221 |

Sample Name: PB114138BS      Acquired: 10/25/2018 14:34:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS138      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0938745 | 7.789946 | .1707918 | F .0103412 | .1780839 | .0794735 |
| Stddev | .0002889   | .032427  | .0019420 | .0011824   | .0016841 | .0010006 |
| %RSD   | .3077598   | .4162734 | 1.137069 | 11.43394   | .9457035 | 1.259005 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0935493 | 7.771674 | .1724387 | .0117065 | .1792777 | .0789165 |
| #2 | .0941015 | 7.770777 | .1686503 | .0096452 | .1788164 | .0788754 |
| #3 | .0939727 | 7.827387 | .1712864 | .0096720 | .1761575 | .0806286 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1752971 |
| Stddev | .0007528 |
| %RSD   | .4294530 |

|    |          |
|----|----------|
| #1 | .1761633 |
| #2 | .1749273 |
| #3 | .1748008 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2276.167 | 2591.433 | 49265.57 | 4729.717 | 3857.029 |
| Stddev    | 20.503   | 5.935    | 366.11   | 48.043   | 2.688    |
| %RSD      | .9007706 | .2290107 | .7431325 | 1.015770 | .0696942 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2260.383 | 2589.482 | 48875.75 | 4685.875 | 3858.597 |
| #2 | 2268.777 | 2586.720 | 49318.84 | 4722.200 | 3858.566 |
| #3 | 2299.341 | 2598.098 | 49602.13 | 4781.075 | 3853.925 |

Sample Name: J5389-01      Acquired: 10/25/2018 14:39:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0192450 | -.008031 | .0254360 | .0068700 | .0015487 | 29.33632 | .6242525 |
| Stddev | .0005163 | .000533  | .0008957 | .0028456 | .0005044 | .18864   | .0031868 |
| %RSD   | 2.682586 | 6.638570 | 3.521292 | 41.41975 | 32.56838 | .6430259 | .5104959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0186512 | -.008232 | .0244383 | .0038770 | .0013060 | 29.48784 | .6252964 |
| #2 | .0194966 | -.008435 | .0261707 | .0095406 | .0012115 | 29.39608 | .6267864 |
| #3 | .0195873 | -.007427 | .0256991 | .0071925 | .0021285 | 29.12504 | .6206747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025046 | -.000544 | 20.15237 | .0345605 | .0345859 | .0658972 | 81.14245 |
| Stddev | .0000884 | .000143  | .03220   | .0001854 | .0000626 | .0036164 | .49120   |
| %RSD   | 3.529326 | 26.28427 | .1597701 | .5364870 | .1810960 | 5.487907 | .6053534 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025354 | -.000642 | 20.14279 | .0344066 | .0346559 | .0678586 | 81.62208 |
| #2 | .0025735 | -.000609 | 20.18827 | .0347663 | .0345352 | .0681091 | 81.16482 |
| #3 | .0024050 | -.000380 | 20.12605 | .0345085 | .0345666 | .0617238 | 80.64045 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.220814 | 14.50453 | .0434610 | .0024308 | 4.029501 | .1901350 | .1687234 |
| Stddev | .004746  | .11732   | .0005761 | .0000429 | .107632  | .0040542 | .0188711 |
| %RSD   | .3887968 | .8088830 | 1.325480 | 1.764755 | 2.671099 | 2.132262 | 11.18462 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.218246 | 14.63072 | .0441064 | .0024130 | 4.086187 | .1854559 | .1622344 |
| #2 | 1.217906 | 14.48413 | .0432778 | .0024798 | 3.905373 | .1923485 | .1899829 |
| #3 | 1.226292 | 14.39875 | .0429988 | .0023997 | 4.096942 | .1926006 | .1539531 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.002723 | 4.697935 | .0834061 | .0016128 | .9589998 | 2.101386 | .0019385 |
| Stddev | .039891  | .009633  | .0014008 | .0001115 | .0020223 | .025305  | .0008899 |
| %RSD   | .7973878 | .2050544 | 1.679456 | 6.915716 | .2108752 | 1.204214 | 45.90989 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.038026 | 4.698777 | .0835426 | .0016011 | .9609644 | 2.120788 | .0021695 |
| #2 | 5.010697 | 4.687909 | .0819420 | .0017298 | .9569244 | 2.110607 | .0009558 |
| #3 | 4.959448 | 4.707120 | .0847336 | .0015076 | .9591107 | 2.072764 | .0026901 |

Sample Name: J5389-01      Acquired: 10/25/2018 14:39:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAJY5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.283712 | .0463555 | .4415252 |
| Stddev | .006369  | .0014527 | .0012028 |
| %RSD   | .2788698 | 3.133873 | .2724248 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.290873 | .0462748 | .4407227 |
| #2 | 2.281581 | .0478469 | .4429081 |
| #3 | 2.278682 | .0449448 | .4409446 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2335.006 | 2675.122 | 50926.27 | 4873.772 | 3734.230 |
| Stddev    | .780     | 5.940    | 175.27   | 43.853   | 12.402   |
| %RSD      | .0333847 | .2220339 | .3441545 | .8997686 | .3321073 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2335.688 | 2668.264 | 50727.14 | 4837.802 | 3721.093 |
| #2 | 2335.174 | 2678.603 | 51057.09 | 4860.892 | 3745.735 |
| #3 | 2334.156 | 2678.500 | 50994.59 | 4922.623 | 3735.863 |

Sample Name: J5389-02      Acquired: 10/25/2018 14:43:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0184481 | -.009468 | .0271735 | .0071841 | .0021674 | 30.84820 | .5713829 |
| Stddev | .0027609 | .002443  | .0007453 | .0001064 | .0010552 | .03963   | .0025291 |
| %RSD   | 14.96605 | 25.80085 | 2.742883 | 1.481618 | 48.68585 | .1284778 | .4426335 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0214091 | -.006756 | .0276520 | .0073024 | .0014133 | 30.86000 | .5704184 |
| #2 | .0159442 | -.011496 | .0263147 | .0071537 | .0017157 | 30.80400 | .5694780 |
| #3 | .0179910 | -.010152 | .0275537 | .0070962 | .0033733 | 30.88059 | .5742524 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024203 | -.000444 | 19.36373 | .0397929 | .0378079 | .0529639 | 87.43891 |
| Stddev | .0000693 | .000099  | .04460   | .0002586 | .0003216 | .0006688 | .21508   |
| %RSD   | 2.863737 | 22.22455 | .2303242 | .6499068 | .8505139 | 1.262725 | .2459797 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023427 | -.000432 | 19.34703 | .0398586 | .0381667 | .0530337 | 87.65824 |
| #2 | .0024760 | -.000549 | 19.32988 | .0400124 | .0377113 | .0535951 | 87.43013 |
| #3 | .0024422 | -.000352 | 19.41426 | .0395078 | .0375457 | .0522630 | 87.22835 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.368129 | 16.23091 | .0459018 | .0023827 | 4.455763 | .2074389 | .1878876 |
| Stddev | .009735  | .07375   | .0007691 | .0003444 | .277483  | .0041162 | .0116811 |
| %RSD   | .7115320 | .4544083 | 1.675580 | 14.45443 | 6.227504 | 1.984303 | 6.217049 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.376302 | 16.31466 | .0450186 | .0022391 | 4.142744 | .2072529 | .2009956 |
| #2 | 1.370725 | 16.20239 | .0464241 | .0027757 | 4.671528 | .2116449 | .1840874 |
| #3 | 1.357359 | 16.17567 | .0462628 | .0021333 | 4.553017 | .2034188 | .1785799 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.914292 | 4.362922 | .0919119 | .0015052 | 1.073953 | 2.433953 | .0026171 |
| Stddev | .027639  | .004012  | .0004168 | .0002466 | .004982  | .007498  | .0002696 |
| %RSD   | .4673295 | .0919507 | .4534379 | 16.38326 | .4638869 | .3080541 | 10.30198 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.938739 | 4.366434 | .0923931 | .0015243 | 1.076922 | 2.426521 | .0024845 |
| #2 | 5.919836 | 4.358550 | .0916747 | .0017416 | 1.068201 | 2.433823 | .0029273 |
| #3 | 5.884301 | 4.363783 | .0916679 | .0012495 | 1.076736 | 2.441515 | .0024393 |



Sample Name: J5389-02      Acquired: 10/25/2018 14:43:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.693753 | .0572585 | .3823776 |
| Stddev | .017096  | .0023451 | .0005998 |
| %RSD   | .6346717 | 4.095627 | .1568514 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.686773 | .0553727 | .3827982 |
| #2 | 2.713235 | .0598844 | .3826438 |
| #3 | 2.681250 | .0565185 | .3816908 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2319.964 | 2662.308 | 50943.08 | 4953.440 | 3705.657 |
| Stddev    | 11.296   | 8.809    | 188.37   | 10.898   | 4.953    |
| %RSD      | .4868931 | .3308908 | .3697669 | .2200023 | .1336697 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2306.959 | 2662.180 | 50789.84 | 4965.001 | 3710.689 |
| #2 | 2325.605 | 2671.180 | 50886.02 | 4951.963 | 3705.496 |
| #3 | 2327.329 | 2653.563 | 51153.38 | 4943.356 | 3700.786 |

Sample Name: J5389-03      Acquired: 10/25/2018 14:47:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0171868 | -.008709 | .0273900 | .0080539 | .0010149 | 29.53696 | .5804395 |
| Stddev | .0024828 | .000518  | .0016861 | .0021192 | .0012330 | .03241   | .0017174 |
| %RSD   | 14.44590 | 5.950353 | 6.156060 | 26.31300 | 121.4846 | .1097360 | .2958794 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0196091 | -.009287 | .0282604 | .0075432 | .0007013 | 29.55673 | .5784843 |
| #2 | .0173035 | -.008556 | .0254465 | .0062367 | -.000031 | 29.49955 | .5811304 |
| #3 | .0146477 | -.008285 | .0284630 | .0103818 | .002374  | 29.55459 | .5817039 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024876 | -.000516 | 18.71442 | .0333922 | .0366224 | .0558932 | 86.49221 |
| Stddev | .0001224 | .000104  | .02355   | .0004508 | .0003153 | .0048506 | .35565   |
| %RSD   | 4.921653 | 20.15823 | .1258152 | 1.350014 | .8610108 | 8.678424 | .4111934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026073 | -.000506 | 18.69743 | .0336591 | .0368468 | .0544862 | 86.81206 |
| #2 | .0023626 | -.000417 | 18.70454 | .0328718 | .0362619 | .0612918 | 86.55535 |
| #3 | .0024929 | -.000624 | 18.74130 | .0336459 | .0367586 | .0519016 | 86.10922 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.394544 | 16.37866 | .0458060 | .0025660 | 5.198942 | .1944360 | .1977707 |
| Stddev | .003330  | .13327   | .0003185 | .0000961 | .075303  | .0051113 | .0078797 |
| %RSD   | .2388149 | .8136974 | .6952980 | 3.744700 | 1.448431 | 2.628763 | 3.984241 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.395923 | 16.46969 | .0457733 | .0024927 | 5.240960 | .1958320 | .2055442 |
| #2 | 1.390746 | 16.22569 | .0455052 | .0026748 | 5.112005 | .1887718 | .1897890 |
| #3 | 1.396965 | 16.44061 | .0461396 | .0025305 | 5.243860 | .1987043 | .1979788 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.744554 | 4.262980 | .0891205 | .0018230 | 1.175919 | 1.173247 | .0018694 |
| Stddev | .040185  | .025563  | .0021787 | .0003971 | .003339  | .011560  | .0003078 |
| %RSD   | .6995317 | .5996396 | 2.444653 | 21.78486 | .2839740 | .9853397 | 16.46746 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.784033 | 4.240494 | .0902826 | .0015904 | 1.173214 | 1.176494 | .0021129 |
| #2 | 5.703699 | 4.257663 | .0904718 | .0022815 | 1.179651 | 1.160411 | .0015234 |
| #3 | 5.745930 | 4.290783 | .0866071 | .0015970 | 1.174891 | 1.182837 | .0019721 |

Sample Name: J5389-03      Acquired: 10/25/2018 14:47:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAJY7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.487029 | .0579069 | .3653390 |
| Stddev | .004954  | .0008699 | .0006915 |
| %RSD   | .1991747 | 1.502250 | .1892615 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.489929 | .0575390 | .3659660 |
| #2 | 2.489847 | .0572815 | .3654536 |
| #3 | 2.481309 | .0589003 | .3645974 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2365.530 | 2701.962 | 51972.86 | 5022.665 | 3784.498 |
| Stddev    | 8.378    | 11.815   | 175.85   | 35.149   | 13.710   |
| %RSD      | .3541667 | .4372594 | .3383564 | .6998133 | .3622602 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2356.098 | 2709.188 | 51774.95 | 4989.587 | 3788.427 |
| #2 | 2368.387 | 2708.370 | 52032.47 | 5059.573 | 3795.814 |
| #3 | 2372.106 | 2688.327 | 52111.15 | 5018.836 | 3769.253 |

Sample Name: J5389-04      Acquired: 10/25/2018 14:51:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0176497 | -.010473 | .0276414 | .0071620 | .0012849 | 32.45115 | .5983636 |
| Stddev | .0043124 | .001864  | .0014822 | .0019202 | .0019879 | .11187   | .0010925 |
| %RSD   | 24.43345 | 17.79831 | 5.362328 | 26.81120 | 154.7195 | .3447338 | .1825786 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0152990 | -.011719 | .0268434 | .0070252 | .0035484 | 32.33544 | .5971089 |
| #2 | .0226267 | -.008330 | .0267292 | .0091471 | -.000177 | 32.55874 | .5991038 |
| #3 | .0150234 | -.011369 | .0293517 | .0053139 | .000484  | 32.45926 | .5988782 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024483 | -.000578 | 21.02804 | .0368519 | .0372888 | .0658960 | 88.16871 |
| Stddev | .0000359 | .000041  | .09454   | .0007666 | .0001867 | .0054087 | .11547   |
| %RSD   | 1.466957 | 7.142810 | .4495908 | 2.080130 | .5005954 | 8.207953 | .1309659 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024406 | -.000536 | 20.92553 | .0375193 | .0375026 | .0720386 | 88.03538 |
| #2 | .0024169 | -.000580 | 21.11179 | .0360147 | .0371580 | .0638020 | 88.23525 |
| #3 | .0024875 | -.000618 | 21.04680 | .0370217 | .0372059 | .0618473 | 88.23552 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.486915 | 17.08548 | .0472864 | .0024361 | 5.101142 | .2106071 | .1957983 |
| Stddev | .006820  | .13083   | .0006323 | .0001832 | .039590  | .0095765 | .0112031 |
| %RSD   | .4586496 | .7657346 | 1.337214 | 7.520680 | .7760956 | 4.547099 | 5.721771 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.487882 | 17.01292 | .0466049 | .0026455 | 5.076782 | .2017146 | .1828702 |
| #2 | 1.493199 | 17.23651 | .0478541 | .0023052 | 5.079823 | .2093612 | .2018629 |
| #3 | 1.479662 | 17.00701 | .0474001 | .0023576 | 5.146823 | .2207456 | .2026617 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.273651 | 4.872768 | .0900500 | .0017007 | 1.160051 | .9287891 | .0028192 |
| Stddev | .033934  | .015319  | .0007695 | .0001429 | .004128  | .0093654 | .0008770 |
| %RSD   | .5408941 | .3143860 | .8545606 | 8.400540 | .3558673 | 1.008348 | 31.10687 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.235787 | 4.855189 | .0908655 | .0018138 | 1.159126 | .9199198 | .0024903 |
| #2 | 6.283851 | 4.879847 | .0899478 | .0015401 | 1.156463 | .9278653 | .0021542 |
| #3 | 6.301314 | 4.883267 | .0893366 | .0017482 | 1.164563 | .9385821 | .0038131 |

Sample Name: J5389-04      Acquired: 10/25/2018 14:51:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.958370 | .0599277 | .3811193 |
| Stddev | .009729  | .0015113 | .0014055 |
| %RSD   | .3288683 | 2.521895 | .3687783 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.951062 | .0594528 | .3797278 |
| #2 | 2.969413 | .0616194 | .3825384 |
| #3 | 2.954634 | .0587109 | .3810916 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2330.314 | 2649.545 | 50932.36 | 4907.631 | 3694.973 |
| Stddev    | 14.268   | 5.987    | 82.76    | 42.831   | 6.150    |
| %RSD      | .6122863 | .2259528 | .1624860 | .8727421 | .1664388 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2333.775 | 2642.633 | 50855.87 | 4955.709 | 3688.138 |
| #2 | 2314.634 | 2652.891 | 50920.99 | 4873.551 | 3700.059 |
| #3 | 2342.533 | 2653.110 | 51020.21 | 4893.631 | 3696.722 |

Sample Name: J5389-05      Acquired: 10/25/2018 14:55:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJY9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0236927 | -.009130 | .0327638 | .0076922 | .0039677 | 36.14174 | .8650286 |
| Stddev | .0015351 | .001457  | .0014474 | .0012497 | .0009467 | .13096   | .0030719 |
| %RSD   | 6.479137 | 15.96037 | 4.417719 | 16.24625 | 23.85906 | .3623635 | .3551163 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0232396 | -.010247 | .0337618 | .0065589 | .0028834 | 36.29149 | .8685175 |
| #2 | .0224351 | -.007481 | .0311038 | .0074852 | .0046293 | 36.08510 | .8627301 |
| #3 | .0254033 | -.009660 | .0334260 | .0090324 | .0043906 | 36.04863 | .8638380 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030839 | -.000569 | 22.38196 | .0309723 | .0474472 | .0695488 | 96.23248 |
| Stddev | .0000101 | .000067  | .06428   | .0003512 | .0003379 | .0030248 | .41658   |
| %RSD   | .3258737 | 11.73731 | .2871890 | 1.134051 | .7122125 | 4.349149 | .4328917 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030759 | -.000619 | 22.44854 | .0313751 | .0470804 | .0698356 | 96.47896 |
| #2 | .0030807 | -.000594 | 22.32026 | .0308121 | .0475152 | .0663908 | 95.75151 |
| #3 | .0030952 | -.000493 | 22.37709 | .0307298 | .0477459 | .0724200 | 96.46699 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.728100 | 19.97329 | .0548394 | .0027076 | 5.575561 | .1987126 | .1984086 |
| Stddev | .008123  | .19031   | .0004192 | .0004327 | .154996  | .0049756 | .0051886 |
| %RSD   | .4700313 | .9528392 | .7644507 | 15.98246 | 2.779914 | 2.503939 | 2.615089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.737169 | 20.17501 | .0551692 | .0032052 | 5.696940 | .1929862 | .1930179 |
| #2 | 1.721492 | 19.79692 | .0549812 | .0024187 | 5.400968 | .2019793 | .2033681 |
| #3 | 1.725640 | 19.94795 | .0543676 | .0024991 | 5.628776 | .2011724 | .1988399 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.964273 | 5.377799 | .0973390 | .0013730 | 1.000984 | 1.918284 | .0033190 |
| Stddev | .018627  | .015129  | .0005086 | .0001551 | .007239  | .014220  | .0002708 |
| %RSD   | .2077930 | .2813239 | .5225016 | 11.29754 | .7231661 | .7412857 | 8.159719 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.985653 | 5.382352 | .0979231 | .0015402 | 1.009282 | 1.916667 | .0033322 |
| #2 | 8.951553 | 5.390128 | .0971005 | .0012339 | .997706  | 1.904942 | .0030418 |
| #3 | 8.955612 | 5.360916 | .0969935 | .0013448 | .995964  | 1.933244 | .0035830 |

Sample Name: J5389-05      Acquired: 10/25/2018 14:55:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAJY9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.094877 | .0783338 | .5218699 |
| Stddev | .012729  | .0008611 | .0016205 |
| %RSD   | .4112810 | 1.099275 | .3105260 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.107348 | .0779940 | .5235299 |
| #2 | 3.095376 | .0793129 | .5217880 |
| #3 | 3.081905 | .0776943 | .5202919 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2370.532 | 2706.630 | 52131.40 | 5026.059 | 3681.470 |
| Stddev    | 18.352   | 5.086    | 114.59   | 6.946    | 6.968    |
| %RSD      | .7741910 | .1878989 | .2198174 | .1381899 | .1892841 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2361.921 | 2701.162 | 52060.13 | 5027.900 | 3674.656 |
| #2 | 2358.069 | 2707.511 | 52070.49 | 5031.898 | 3681.171 |
| #3 | 2391.607 | 2711.218 | 52263.59 | 5018.378 | 3688.583 |

Sample Name: J5389-06      Acquired: 10/25/2018 14:59:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0148827 | -.005933 | .0210331 | .0041655 | .0017368 | 25.90241 | .4592185 |
| Stddev | .0006111 | .000597  | .0004627 | .0024002 | .0011445 | .12751   | .0022734 |
| %RSD   | 4.106080 | 10.06827 | 2.200016 | 57.61956 | 65.89636 | .4922785 | .4950591 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0141833 | -.006605 | .0205958 | .0041190 | .0025124 | 26.04402 | .4618381 |
| #2 | .0153133 | -.005464 | .0209860 | .0017890 | .0022758 | 25.79669 | .4577618 |
| #3 | .0151516 | -.005729 | .0215176 | .0065886 | .0004223 | 25.86653 | .4580555 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022928 | -.000376 | 15.67913 | .0275615 | .0335733 | .0483954 | 71.47875 |
| Stddev | .0000403 | .000056  | .00918   | .0006278 | .0002348 | .0022347 | .64615   |
| %RSD   | 1.760051 | 14.87447 | .0585378 | 2.277710 | .6993731 | 4.617573 | .9039698 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023123 | -.000347 | 15.68896 | .0275082 | .0333156 | .0500217 | 72.22375 |
| #2 | .0023196 | -.000441 | 15.67078 | .0269621 | .0336290 | .0458473 | 71.07115 |
| #3 | .0022463 | -.000341 | 15.67764 | .0282142 | .0337752 | .0493174 | 71.14134 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.217259 | 15.11898 | .0451856 | .0020221 | 4.852075 | .1549807 | .1628223 |
| Stddev | .004700  | .13963   | .0006018 | .0001830 | .141928  | .0018980 | .0110759 |
| %RSD   | .3861541 | .9235450 | 1.331846 | 9.049449 | 2.925096 | 1.224650 | 6.802426 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.218340 | 15.25761 | .0451484 | .0021738 | 4.805480 | .1567029 | .1608598 |
| #2 | 1.221324 | 15.12095 | .0446033 | .0020735 | 5.011443 | .1529458 | .1528589 |
| #3 | 1.212112 | 14.97837 | .0458052 | .0018188 | 4.739302 | .1552934 | .1747483 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.017266 | 3.365795 | .0746591 | .0011510 | 1.189820 | .8771051 | .0013707 |
| Stddev | .043546  | .005206  | .0007753 | .0000674 | .007784  | .0106289 | .0010247 |
| %RSD   | .8679193 | .1546769 | 1.038480 | 5.857196 | .6542355 | 1.211815 | 74.75750 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.051792 | 3.366651 | .0755039 | .0011086 | 1.191260 | .8875370 | .0013990 |
| #2 | 5.031662 | 3.360213 | .0739801 | .0012288 | 1.181416 | .8774886 | .0003322 |
| #3 | 4.968346 | 3.370519 | .0744932 | .0011156 | 1.196783 | .8662896 | .0023810 |



Sample Name: J5389-06      Acquired: 10/25/2018 14:59:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.984174 | .0510714 | .3715416 |
| Stddev | .012398  | .0001284 | .0002157 |
| %RSD   | .6248231 | .2513508 | .0580514 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.992401 | .0510693 | .3714075 |
| #2 | 1.990206 | .0512008 | .3714268 |
| #3 | 1.969915 | .0509441 | .3717903 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2406.039 | 2733.355 | 52812.13 | 5123.925 | 3846.848 |
| Stddev    | 7.274    | 4.024    | 141.27   | 17.930   | 8.352    |
| %RSD      | .3023408 | .1472260 | .2675031 | .3499361 | .2171146 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2406.200 | 2736.219 | 52939.77 | 5103.780 | 3855.574 |
| #2 | 2413.231 | 2735.091 | 52660.34 | 5138.136 | 3846.041 |
| #3 | 2398.685 | 2728.754 | 52836.30 | 5129.860 | 3838.929 |

Sample Name: J5389-07      Acquired: 10/25/2018 15:03:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0487678 | -.005539 | .0278045 | .0074792 | .0026477 | 26.00628 | .6021053 |
| Stddev | .0012483 | .000826  | .0021603 | .0015905 | .0003721 | .32309   | .0042525 |
| %RSD   | 2.559725 | 14.91395 | 7.769620 | 21.26524 | 14.05267 | 1.242353 | .7062735 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0497505 | -.004617 | .0295216 | .0081970 | .0028190 | 26.11068 | .6062716 |
| #2 | .0491898 | -.005786 | .0285129 | .0056564 | .0029032 | 26.26426 | .6022727 |
| #3 | .0473632 | -.006213 | .0253789 | .0085843 | .0022208 | 25.64390 | .5977716 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022574 | -.000385 | 19.64797 | .0444978 | .0420923 | .0505434 | 86.70532 |
| Stddev | .0000452 | .000119  | .07545   | .0005711 | .0002247 | .0031329 | 1.35909  |
| %RSD   | 2.001699 | 30.97758 | .3840190 | 1.283411 | .5337537 | 6.198334 | 1.567482 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022939 | -.000483 | 19.67466 | .0439587 | .0418719 | .0483981 | 87.16784 |
| #2 | .0022069 | -.000419 | 19.70644 | .0450962 | .0420841 | .0541386 | 87.77278 |
| #3 | .0022715 | -.000252 | 19.56280 | .0444383 | .0423210 | .0490936 | 85.17534 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.368017 | 14.23228 | .0479444 | .0029300 | 1.535865 | .2275979 | .1664315 |
| Stddev | .013839  | .19139   | .0002638 | .0002884 | .184334  | .0014333 | .0153137 |
| %RSD   | .4108897 | 1.344747 | .5502238 | 9.841940 | 12.00198 | .6297390 | 9.201205 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.352158 | 14.28679 | .0479151 | .0031781 | 1.348733 | .2290151 | .1494410 |
| #2 | 3.374247 | 14.39051 | .0476964 | .0029983 | 1.541594 | .2276296 | .1791695 |
| #3 | 3.377645 | 14.01956 | .0482216 | .0026136 | 1.717268 | .2261491 | .1706841 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.938937 | 5.380866 | .0795612 | .0020491 | .3513234 | .8337623 | .0022069 |
| Stddev | .037880  | .016418  | .0015387 | .0001312 | .0046388 | .0053235 | .0003978 |
| %RSD   | .9616884 | .3051106 | 1.933993 | 6.403095 | 1.320367 | .6384931 | 18.02403 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.911220 | 5.369436 | .0805852 | .0021895 | .3471023 | .8297308 | .0017722 |
| #2 | 3.982100 | 5.373484 | .0803066 | .0019295 | .3562896 | .8397967 | .0022958 |
| #3 | 3.923492 | 5.399679 | .0777917 | .0020283 | .3505784 | .8317593 | .0025527 |

Sample Name: J5389-07      Acquired: 10/25/2018 15:03:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.323435 | .0382358 | .3249073 |
| Stddev | .018517  | .0019459 | .0009365 |
| %RSD   | .7969537 | 5.089065 | .2882523 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.328592 | .0390568 | .3258248 |
| #2 | 2.338827 | .0396367 | .3249443 |
| #3 | 2.302887 | .0360140 | .3239528 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2417.987 | 2733.954 | 53233.36 | 5157.903 | 3816.940 |
| Stddev    | 14.844   | 5.154    | 125.05   | 22.949   | 14.349   |
| %RSD      | .6138815 | .1885346 | .2349058 | .4449335 | .3759334 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2404.465 | 2738.913 | 53286.08 | 5147.976 | 3832.969 |
| #2 | 2415.627 | 2734.325 | 53090.59 | 5141.588 | 3812.558 |
| #3 | 2433.869 | 2728.624 | 53323.42 | 5184.145 | 3805.292 |

Sample Name: J5389-08      Acquired: 10/25/2018 15:07:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0878575 | -.003144 | .0250935 | .0039083 | .0004507 | 26.64625 | .7041071 |
| Stddev | .0009957 | .000386  | .0010982 | .0036839 | .0012248 | .05329   | .0017546 |
| %RSD   | 1.133327 | 12.27660 | 4.376397 | 94.25835 | 271.7690 | .2000033 | .2491925 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0867733 | -.002820 | .0261313 | .0027751 | -.000871 | 26.58559 | .7022912 |
| #2 | .0887311 | -.003041 | .0239435 | .0009241 | .001547  | 26.68556 | .7042370 |
| #3 | .0880679 | -.003571 | .0252057 | .0080257 | .000676  | 26.66759 | .7057932 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027099 | -.000431 | 22.01489 | .0395840 | .0416894 | .0602795 | 88.58283 |
| Stddev | .0000521 | .000034  | .03275   | .0004338 | .0000427 | .0040022 | .63767   |
| %RSD   | 1.922410 | 7.888624 | .1487672 | 1.095879 | .1023705 | 6.639378 | .7198534 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027372 | -.000449 | 22.03576 | .0400558 | .0416402 | .0649008 | 87.92626 |
| #2 | .0027427 | -.000453 | 21.97714 | .0392024 | .0417122 | .0579675 | 89.19974 |
| #3 | .0026499 | -.000392 | 22.03177 | .0394938 | .0417158 | .0579702 | 88.62248 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.689205 | 15.83100 | .0465492 | .0029296 | 1.177912 | .2003426 | .1605506 |
| Stddev | .001665  | .17899   | .0005307 | .0001640 | .319251  | .0073854 | .0055725 |
| %RSD   | .0451407 | 1.130653 | 1.140202 | 5.597048 | 27.10309 | 3.686387 | 3.470864 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.690773 | 15.71368 | .0470374 | .0031114 | 1.529388 | .2008926 | .1578803 |
| #2 | 3.687457 | 16.03702 | .0459842 | .0027931 | .905895  | .2074377 | .1568157 |
| #3 | 3.689385 | 15.74229 | .0466259 | .0028842 | 1.098453 | .1926976 | .1669557 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.871673 | 5.950434 | .0777243 | .0025285 | .2914673 | .6939407 | .0010534 |
| Stddev | .066220  | .013270  | .0011981 | .0000616 | .0035807 | .0080851 | .0011078 |
| %RSD   | 1.710362 | .2230071 | 1.541404 | 2.436841 | 1.228504 | 1.165095 | 105.1584 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.920000 | 5.956293 | .0763917 | .0024575 | .2946999 | .6886633 | .0022867 |
| #2 | 3.898826 | 5.935243 | .0787123 | .0025684 | .2876185 | .6899100 | .0007309 |
| #3 | 3.796193 | 5.959766 | .0780689 | .0025596 | .2920834 | .7032487 | .0001427 |

Sample Name: J5389-08      Acquired: 10/25/2018 15:07:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.725641 | .0372823 | .3946040 |
| Stddev | .001974  | .0011798 | .0001882 |
| %RSD   | .1143769 | 3.164554 | .0476888 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.727333 | .0366196 | .3948188 |
| #2 | 1.723473 | .0386444 | .3944680 |
| #3 | 1.726117 | .0365828 | .3945252 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2391.798 | 2733.340 | 52466.47 | 5067.314 | 3807.377 |
| Stddev    | 3.879    | 4.144    | 187.09   | 4.152    | 3.344    |
| %RSD      | .1621965 | .1516104 | .3565951 | .0819428 | .0878267 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2391.455 | 2738.103 | 52311.38 | 5069.514 | 3808.512 |
| #2 | 2388.101 | 2730.556 | 52674.26 | 5062.525 | 3803.614 |
| #3 | 2395.838 | 2731.362 | 52413.78 | 5069.904 | 3810.006 |

Sample Name: J5389-09      Acquired: 10/25/2018 15:11:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0737956 | -.005197 | .0262710 | .0041968 | .0015543 | 25.09337 | .4863075 |
| Stddev | .0029270 | .000551  | .0001698 | .0010656 | .0007845 | .05470   | .0015468 |
| %RSD   | 3.966328 | 10.59512 | .6464481 | 25.39130 | 50.47472 | .2180005 | .3180631 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0768866 | -.005747 | .0263560 | .0054001 | .0022976 | 25.15064 | .4860420 |
| #2 | .0710662 | -.004646 | .0263816 | .0033725 | .0016313 | 25.08781 | .4879698 |
| #3 | .0734339 | -.005197 | .0260755 | .0038178 | .0007341 | 25.04166 | .4849107 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023218 | -.000447 | 19.32137 | .0308870 | .0434008 | .0512564 | 86.23765 |
| Stddev | .0000125 | .000044  | .04490   | .0003936 | .0000659 | .0025242 | .67360   |
| %RSD   | .5376494 | 9.755539 | .2323774 | 1.274353 | .1517630 | 4.924580 | .7810938 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023204 | -.000471 | 19.27886 | .0306131 | .0434147 | .0529085 | 86.91215 |
| #2 | .0023101 | -.000397 | 19.36833 | .0307098 | .0434586 | .0525099 | 86.23583 |
| #3 | .0023349 | -.000473 | 19.31691 | .0313380 | .0433291 | .0483509 | 85.56496 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.015106 | 15.46597 | .0467294 | .0028206 | 1.215694 | .2078653 | .1615154 |
| Stddev | .015581  | .06153   | .0000949 | .0005420 | .187634  | .0030914 | .0058818 |
| %RSD   | .5167479 | .3978698 | .2031209 | 19.21404 | 15.43429 | 1.487212 | 3.641634 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.003155 | 15.47352 | .0467379 | .0034315 | 1.195106 | .2045008 | .1681680 |
| #2 | 3.032728 | 15.52338 | .0466304 | .0023976 | 1.412772 | .2105804 | .1570048 |
| #3 | 3.009435 | 15.40101 | .0468197 | .0026328 | 1.039203 | .2085148 | .1593734 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.315365 | 6.000473 | .0771481 | .0016714 | .4354560 | 1.011807 | .0013981 |
| Stddev | .027143  | .011139  | .0026377 | .0001991 | .0017345 | .004541  | .0004834 |
| %RSD   | .8187138 | .1856389 | 3.419071 | 11.91506 | .3983125 | .4487735 | 34.57769 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.321667 | 5.987701 | .0792679 | .0018807 | .4350428 | 1.008374 | .0017361 |
| #2 | 3.338804 | 6.008180 | .0779823 | .0014843 | .4339654 | 1.010091 | .0016138 |
| #3 | 3.285626 | 6.005538 | .0741941 | .0016492 | .4373597 | 1.016955 | .0008444 |

Sample Name: J5389-09      Acquired: 10/25/2018 15:11:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.865294 | .0397092 | .2452682 |
| Stddev | .003071  | .0014080 | .0004137 |
| %RSD   | .1646182 | 3.545726 | .1686907 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.862774 | .0388234 | .2451439 |
| #2 | 1.868714 | .0389714 | .2457298 |
| #3 | 1.864394 | .0413327 | .2449308 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2430.098 | 2779.262 | 53046.74 | 5143.965 | 3843.128 |
| Stddev    | 8.195    | 6.681    | 186.47   | 19.668   | 11.356   |
| %RSD      | .3372140 | .2403926 | .3515109 | .3823599 | .2954775 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2438.597 | 2775.017 | 53251.57 | 5154.929 | 3835.394 |
| #2 | 2422.246 | 2786.963 | 52886.85 | 5155.707 | 3856.165 |
| #3 | 2429.452 | 2775.805 | 53001.80 | 5121.258 | 3837.824 |

Sample Name: J5389-10      Acquired: 10/25/2018 15:15:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0499788 | -.007184 | .0280838 | .0077155 | .0022042 | 24.22027 | .5405520 |
| Stddev | .0029428 | .000415  | .0011737 | .0012716 | .0015820 | .02738   | .0016141 |
| %RSD   | 5.888139 | 5.770470 | 4.179198 | 16.48096 | 71.77189 | .1130287 | .2985991 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0492242 | -.006709 | .0270113 | .0091294 | .0036270 | 24.22273 | .5422092 |
| #2 | .0532255 | -.007476 | .0279026 | .0066657 | .0024850 | 24.24633 | .5404621 |
| #3 | .0474868 | -.007365 | .0293375 | .0073513 | .0005006 | 24.19174 | .5389848 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022006 | -.000483 | 18.92654 | .0520324 | .0409689 | .0555674 | 107.3520 |
| Stddev | .0000614 | .000055  | .02592   | .0003528 | .0001343 | .0047916 | .7426    |
| %RSD   | 2.787785 | 11.29632 | .1369597 | .6780101 | .3278138 | 8.623038 | .6917597 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022637 | -.000511 | 18.91394 | .0522598 | .0410965 | .0610854 | 106.6466 |
| #2 | .0021968 | -.000518 | 18.95635 | .0516260 | .0409813 | .0531602 | 108.1269 |
| #3 | .0021412 | -.000420 | 18.90932 | .0522114 | .0408288 | .0524568 | 107.2825 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.384913 | 14.03677 | .0458944 | .0029172 | 1.345892 | .2909239 | .1730897 |
| Stddev | .018918  | .13768   | .0000673 | .0001358 | .126048  | .0042294 | .0037671 |
| %RSD   | .5588947 | .9808656 | .1466348 | 4.654166 | 9.365411 | 1.453777 | 2.176397 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.364449 | 13.94898 | .0458459 | .0028240 | 1.393925 | .2953215 | .1687608 |
| #2 | 3.401764 | 14.19545 | .0459712 | .0030730 | 1.202889 | .2868856 | .1756240 |
| #3 | 3.388526 | 13.96589 | .0458661 | .0028546 | 1.440862 | .2905647 | .1748842 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.181900 | 5.818988 | .0973278 | .0014004 | .4042879 | 2.028823 | .0034364 |
| Stddev | .038034  | .017175  | .0021606 | .0001362 | .0020890 | .007733  | .0005686 |
| %RSD   | 1.195320 | .2951478 | 2.219956 | 9.722752 | .5166986 | .3811704 | 16.54521 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.222508 | 5.803876 | .0973282 | .0015325 | .4021998 | 2.026340 | .0027831 |
| #2 | 3.147111 | 5.815423 | .0994883 | .0012605 | .4063777 | 2.022636 | .0037073 |
| #3 | 3.176080 | 5.837665 | .0951670 | .0014081 | .4042862 | 2.037493 | .0038189 |



Sample Name: J5389-10      Acquired: 10/25/2018 15:15:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.017071 | .0355980 | .2580310 |
| Stddev | .018427  | .0011244 | .0003054 |
| %RSD   | .6107627 | 3.158469 | .1183731 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.998484 | .0350303 | .2576803 |
| #2 | 3.035334 | .0368930 | .2581734 |
| #3 | 3.017394 | .0348707 | .2582392 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2347.125 | 2685.051 | 51458.99 | 5007.827 | 3736.506 |
| Stddev    | 5.591    | 5.244    | 162.57   | 11.049   | 2.116    |
| %RSD      | .2382172 | .1953053 | .3159245 | .2206333 | .0566345 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2341.844 | 2680.860 | 51476.91 | 5005.879 | 3734.596 |
| #2 | 2352.982 | 2690.931 | 51288.20 | 5019.720 | 3736.140 |
| #3 | 2346.549 | 2683.360 | 51611.86 | 4997.881 | 3738.781 |

Sample Name: J5389-11      Acquired: 10/25/2018 15:19:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0482824 | -.010358 | .0257740 | .0086944 | .0027410 | 24.14834 | .5448628 |
| Stddev | .0018717 | .000687  | .0004309 | .0025622 | .0008741 | .08779   | .0015406 |
| %RSD   | 3.876658 | 6.633632 | 1.671692 | 29.46973 | 31.89141 | .3635527 | .2827540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0463575 | -.010997 | .0253180 | .0064712 | .0018508 | 24.07979 | .5442577 |
| #2 | .0500961 | -.010447 | .0261743 | .0081154 | .0035982 | 24.24729 | .5466141 |
| #3 | .0483934 | -.009631 | .0258299 | .0114966 | .0027740 | 24.11795 | .5437166 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022498 | -.000504 | 18.84572 | .0517918 | .0404661 | .0547645 | 107.0080 |
| Stddev | .0000347 | .000031  | .00074   | .0007019 | .0001630 | .0035207 | .5087    |
| %RSD   | 1.543269 | 6.213353 | .0039084 | 1.355285 | .4027511 | 6.428761 | .4753945 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022896 | -.000477 | 18.84657 | .0524332 | .0402782 | .0587919 | 106.5767 |
| #2 | .0022263 | -.000497 | 18.84529 | .0510420 | .0405515 | .0532308 | 107.5690 |
| #3 | .0022333 | -.000538 | 18.84529 | .0519003 | .0405686 | .0522708 | 106.8783 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.376037 | 13.95496 | .0454207 | .0032924 | 1.344801 | .2893329 | .1618764 |
| Stddev | .006736  | .08229   | .0003003 | .0003438 | .072293  | .0135218 | .0056370 |
| %RSD   | .1995363 | .5896905 | .6611951 | 10.44378 | 5.375741 | 4.673450 | 3.482270 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.374365 | 13.87487 | .0450931 | .0036585 | 1.261678 | .2857721 | .1628887 |
| #2 | 3.370295 | 14.03929 | .0456831 | .0032424 | 1.379711 | .3042788 | .1558018 |
| #3 | 3.383452 | 13.95070 | .0454858 | .0029763 | 1.393013 | .2779479 | .1669386 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.191449 | 5.759448 | .0950630 | .0012459 | .3986731 | 2.123115 | .0023775 |
| Stddev | .039054  | .009922  | .0007790 | .0001123 | .0018372 | .022180  | .0001567 |
| %RSD   | 1.223712 | .1722768 | .8194035 | 9.009840 | .4608404 | 1.044700 | 6.591184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.178070 | 5.748858 | .0952889 | .0011752 | .3996912 | 2.127424 | .0025576 |
| #2 | 3.235434 | 5.760958 | .0957040 | .0013754 | .3965521 | 2.142824 | .0023019 |
| #3 | 3.160842 | 5.768529 | .0941961 | .0011872 | .3997758 | 2.099096 | .0022729 |

Sample Name: J5389-11      Acquired: 10/25/2018 15:19:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.984413 | .0358194 | .2532901 |
| Stddev | .011780  | .0014032 | .0005794 |
| %RSD   | .3947147 | 3.917511 | .2287488 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.971571 | .0369350 | .2526217 |
| #2 | 2.986949 | .0362792 | .2535984 |
| #3 | 2.994718 | .0342439 | .2536501 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2354.412 | 2675.838 | 51580.16 | 4991.184 | 3734.171 |
| Stddev    | 8.675    | 2.818    | 92.11    | 22.092   | 2.534    |
| %RSD      | .3684656 | .1053035 | .1785847 | .4426129 | .0678527 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2361.947 | 2672.895 | 51628.81 | 4986.748 | 3737.077 |
| #2 | 2356.361 | 2676.107 | 51637.74 | 4971.648 | 3732.420 |
| #3 | 2344.928 | 2678.511 | 51473.92 | 5015.158 | 3733.017 |

Sample Name: J5389-12      Acquired: 10/25/2018 15:23:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1169426 | .0815890 | .0606251 | .0961825 | .1906720 | 26.66587 | 4.596503 |
| Stddev | .0045044 | .0023181 | .0006583 | .0011542 | .0005904 | .10679   | .012249  |
| %RSD   | 3.851809 | 2.841189 | 1.085831 | 1.200056 | .3096424 | .4004609 | .2664878 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1123718 | .0814685 | .0602755 | .0962954 | .1903264 | 26.77902 | 4.610017 |
| #2 | .1170782 | .0839650 | .0602153 | .0972762 | .1903358 | 26.65173 | 4.593363 |
| #3 | .1213776 | .0793335 | .0613844 | .0949760 | .1913537 | 26.56686 | 4.586130 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0943223 | .0983909 | 18.01712 | .4345068 | 1.043967 | .5665464 | 105.0429 |
| Stddev | .0001821 | .0001321 | .07207   | .0004625 | .000563  | .0053072 | 1.1865   |
| %RSD   | .1931024 | .1342449 | .3999949 | .1064443 | .0538988 | .9367611 | 1.129553 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0941822 | .0983269 | 18.09224 | .4349457 | 1.044617 | .5625239 | 106.2974 |
| #2 | .0945282 | .0985427 | 17.94855 | .4340238 | 1.043631 | .5725615 | 104.8926 |
| #3 | .0942566 | .0983029 | 18.01057 | .4345508 | 1.043653 | .5645537 | 103.9387 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.208658 | 13.48054 | 1.069195 | .0898309 | .9380179 | 1.305458 | 1.163450 |
| Stddev | .031913  | .08256   | .001072  | .0006406 | .3928175 | .013972  | .017550  |
| %RSD   | .7582690 | .6124021 | .1002177 | .7131468 | 41.87740 | 1.070257 | 1.508473 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.190271 | 13.55860 | 1.070391 | .0904992 | 1.188236 | 1.318832 | 1.181227 |
| #2 | 4.190195 | 13.48890 | 1.068870 | .0892220 | .485268  | 1.306584 | 1.162987 |
| #3 | 4.245508 | 13.39413 | 1.068324 | .0897714 | 1.140551 | 1.290957 | 1.146136 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.019673 | 56.21881 | .9577698 | .8999150 | 48.77487 | 1.955675 | .0030714 |
| Stddev | .036889  | .01962   | .0037334 | .0015554 | .06853   | .005569  | .0002199 |
| %RSD   | 1.221637 | .0349052 | .3898036 | .1728353 | .1404989 | .2847528 | 7.160725 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.041061 | 56.19884 | .9619064 | .9011473 | 48.83141 | 1.961788 | .0032923 |
| #2 | 3.040881 | 56.23806 | .9567526 | .8981674 | 48.79454 | 1.950891 | .0028524 |
| #3 | 2.977077 | 56.21953 | .9546504 | .9004302 | 48.69866 | 1.954347 | .0030695 |

Sample Name: J5389-12      Acquired: 10/25/2018 15:23:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAJZ9S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.873499 | .0369386 | .2444244 |
| Stddev | .013414  | .0009325 | .0006865 |
| %RSD   | .4668263 | 2.524355 | .2808806 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.888115 | .0379799 | .2445853 |
| #2 | 2.861751 | .0361809 | .2436717 |
| #3 | 2.870631 | .0366550 | .2450162 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2373.416 | 2707.178 | 52083.08 | 5092.354 | 3812.599 |
| Stddev    | 7.719    | 5.527    | 105.64   | 16.789   | 3.586    |
| %RSD      | .3252220 | .2041646 | .2028208 | .3296833 | .0940561 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2364.596 | 2706.569 | 51971.86 | 5078.169 | 3809.936 |
| #2 | 2376.718 | 2712.984 | 52182.06 | 5110.890 | 3816.677 |
| #3 | 2378.935 | 2701.981 | 52095.34 | 5088.004 | 3811.185 |

Sample Name: J5389-10LX5      Acquired: 10/25/2018 15:27:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAJZ9L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101349 | -.004520 | .0055856 | .0027029 | .0011426 | 5.092226 | .1138078 |
| Stddev | .0017743 | .001463  | .0010860 | .0024958 | .0004241 | .013704  | .0010304 |
| %RSD   | 17.50725 | 32.36612 | 19.44250 | 92.33817 | 37.12297 | .2691063 | .9053944 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0121784 | -.004306 | .0066674 | .0022363 | .0006602 | 5.103419 | .1140934 |
| #2 | .0089860 | -.003176 | .0055940 | .0004733 | .0014574 | 5.076943 | .1146653 |
| #3 | .0092401 | -.006078 | .0044955 | .0053991 | .0013101 | 5.096315 | .1126647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005301 | -.000096 | 4.025721 | .0379577 | .0082002 | .0072132 | 22.87079 |
| Stddev | .0000689 | .000026  | .009387  | .0005602 | .0001066 | .0032278 | .09426   |
| %RSD   | 13.00590 | 26.95315 | .2331877 | 1.475736 | 1.300364 | 44.74864 | .4121203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006024 | -.000066 | 4.021122 | .0380120 | .0081860 | .0107025 | 22.93123 |
| #2 | .0004651 | -.000110 | 4.019519 | .0373724 | .0083132 | .0043339 | 22.91896 |
| #3 | .0005229 | -.000112 | 4.036521 | .0384888 | .0081014 | .0066032 | 22.76218 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7207148 | 2.977712 | .0249001 | .0009775 | .2567466 | .0546193 | .0401706 |
| Stddev | .0041923 | .067606  | .0001179 | .0000820 | .2286965 | .0034145 | .0089055 |
| %RSD   | .5816809 | 2.270408 | .4734554 | 8.387298 | 89.07478 | 6.251511 | 22.16917 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7175170 | 2.909532 | .0247828 | .0009342 | .0689296 | .0513268 | .0350944 |
| #2 | .7191664 | 3.044730 | .0250186 | .0009262 | .5114210 | .0581440 | .0349639 |
| #3 | .7254610 | 2.978874 | .0248988 | .0010720 | .1898894 | .0543870 | .0504535 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6251234 | 1.208885 | .0216180 | .0034864 | .1008961 | .4426770 | -.000189 |
| Stddev | .0428571 | .013891  | .0004607 | .0001048 | .0055529 | .0061941 | .000657  |
| %RSD   | 6.855780 | 1.149070 | 2.131066 | 3.006083 | 5.503540 | 1.399241 | 348.2975 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6097531 | 1.194155 | .0221491 | .0035206 | .0981618 | .4415835 | -.000945 |
| #2 | .5920711 | 1.210752 | .0213258 | .0035699 | .0972406 | .4493451 | .000136  |
| #3 | .6735461 | 1.221747 | .0213791 | .0033688 | .1072859 | .4371025 | .000243  |

Sample Name: J5389-10LX5      Acquired: 10/25/2018 15:27:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAJZ9L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6336192 | .0055063 | .0544155 |
| Stddev | .0033290 | .0001894 | .0002583 |
| %RSD   | .5253951 | 3.439380 | .4746909 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6350448 | .0056898 | .0542423 |
| #2 | .6298148 | .0053115 | .0542919 |
| #3 | .6359981 | .0055176 | .0547124 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2242.919 | 2568.246 | 48725.72 | 4727.042 | 3716.476 |
| Stddev    | 23.833   | 2.587    | 196.35   | 5.066    | 3.232    |
| %RSD      | 1.062587 | .1007483 | .4029612 | .1071737 | .0869749 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2230.796 | 2565.839 | 48532.10 | 4728.825 | 3714.838 |
| #2 | 2270.376 | 2570.982 | 48924.68 | 4721.325 | 3720.200 |
| #3 | 2227.584 | 2567.916 | 48720.39 | 4730.975 | 3714.391 |

Sample Name: CCV084      Acquired: 10/25/2018 15:58:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV084      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.882254 | 4.890115 | 23.84728 | 4.829932 | 4.947189 | 392.8257 | 10.36806 |
| Stddev | .023781  | .014804  | .01478   | .010362  | .006031  | .4466    | .01145   |
| %RSD   | .4870914 | .3027234 | .0619875 | .2145329 | .1219126 | .1136917 | .1104426 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.860671 | 4.897699 | 23.86433 | 4.825350 | 4.941969 | 392.3725 | 10.37501 |
| #2 | 4.878342 | 4.873056 | 23.83811 | 4.822652 | 4.953791 | 393.2655 | 10.37433 |
| #3 | 4.907748 | 4.899589 | 23.83938 | 4.841795 | 4.945807 | 392.8392 | 10.35484 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4717746 | 2.411848 | 389.3030 | 14.48787 | 2.456073 | 14.96626 | 387.8605 |
| Stddev | .0006756 | .003722  | .4112    | .01574   | .004239  | .03277   | .8932    |
| %RSD   | .1432053 | .1543307 | .1056331 | .1086440 | .1725800 | .2189922 | .2302799 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4724672 | 2.413788 | 389.5178 | 14.49690 | 2.459575 | 14.98376 | 386.8392 |
| #2 | .4717391 | 2.407557 | 388.8289 | 14.46969 | 2.451360 | 14.98657 | 388.2468 |
| #3 | .4711174 | 2.414199 | 389.5624 | 14.49700 | 2.457283 | 14.92845 | 388.4954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.12680 | 379.0580 | 2.489824 | 1.228013 | 389.2625 | 2.462646 | 14.74808 |
| Stddev | .01225   | .9711    | .006191  | .004123  | 1.1120   | .014867  | .07437   |
| %RSD   | .0867070 | .2561901 | .2486651 | .3357393 | .2856677 | .6037043 | .5042678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.14080 | 377.9920 | 2.491461 | 1.227847 | 389.2389 | 2.446888 | 14.67480 |
| #2 | 14.11802 | 379.2895 | 2.482978 | 1.223975 | 390.3862 | 2.476423 | 14.82350 |
| #3 | 14.12160 | 379.8924 | 2.495031 | 1.232216 | 388.1626 | 2.464626 | 14.74594 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 152.3636 | 51.43341 | 4.822081 | 4.825703 | 48.29346 | 4.731768 | 5.019608 |
| Stddev | .2991    | .09502   | .010040  | .003806  | .09240   | .009503  | .007891  |
| %RSD   | .1962972 | .1847481 | .2082011 | .0788670 | .1913376 | .2008327 | .1572001 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.4417 | 51.44254 | 4.833390 | 4.827363 | 48.35110 | 4.741824 | 5.018982 |
| #2 | 152.6160 | 51.33415 | 4.818638 | 4.821349 | 48.18688 | 4.722936 | 5.012048 |
| #3 | 152.0333 | 51.52354 | 4.814216 | 4.828397 | 48.34240 | 4.730544 | 5.027793 |



Sample Name: CCV084      Acquired: 10/25/2018 15:58:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV084      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.794686 | 5.153486 | 5.037555 |
| Stddev | .013101  | .008964  | .007764  |
| %RSD   | .2732337 | .1739475 | .1541300 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.787698 | 5.154934 | 5.046444 |
| #2 | 4.809799 | 5.161637 | 5.034124 |
| #3 | 4.786561 | 5.143885 | 5.032098 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1932.715 | 2142.212 | 45711.40 | 4523.731 | 2947.610 |
| Stddev    | 15.979   | 3.387    | 234.49   | 21.913   | 6.808    |
| %RSD      | .8267640 | .1581276 | .5129738 | .4844003 | .2309539 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1916.767 | 2139.080 | 45446.92 | 4498.480 | 2941.253 |
| #2 | 1932.654 | 2145.807 | 45793.38 | 4534.954 | 2954.793 |
| #3 | 1948.724 | 2141.747 | 45893.89 | 4537.759 | 2946.783 |

Sample Name: CCB084      Acquired: 10/25/2018 16:02:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB084      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002123 | -.003592 | -.000032 | .0026063 | -.000287 | .0023474 | -.002928 |
| Stddev | .002663  | .001165  | .001052  | .0012348 | .001481  | .0029424 | .000578  |
| %RSD   | 125.4174 | 32.43683 | 3250.249 | 47.37683 | 516.2607 | 125.3472 | 19.73888 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004563 | -.002800 | .000650  | .0030078 | .000472  | .0004911 | -.002971 |
| #2 | .000717  | -.003046 | -.001244 | .0012208 | -.001994 | .0008111 | -.002330 |
| #3 | -.002524 | -.004930 | .000497  | .0035904 | .000661  | .0057400 | -.003483 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000716 | .0001227 | .0035846 | .0003783 | -.000246 | -.001861 | -.013288 |
| Stddev | .0000229 | .0000135 | .0077239 | .0003760 | .000252  | .003169  | .010194  |
| %RSD   | 32.04034 | 11.00651 | 215.4778 | 99.39956 | 102.4888 | 170.3457 | 76.71211 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000451 | .0001342 | .0108158 | .0004442 | -.000486 | .001128  | -.013593 |
| #2 | .0000839 | .0001078 | .0044901 | .0007170 | -.000268 | -.001526 | -.002945 |
| #3 | .0000858 | .0001260 | -.004552 | -.000026 | .000017  | -.005184 | -.023326 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003942 | .0592266 | .0004999 | .0004778 | -.203727 | -.006086 | -.006182 |
| Stddev | .0006127 | .0266561 | .0002858 | .0002102 | .178773  | .002233  | .009646  |
| %RSD   | 155.4353 | 45.00695 | 57.18150 | 43.99150 | 87.75104 | 36.68773 | 156.0219 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010755 | .0286050 | .0002391 | .0007129 | -.189081 | -.007678 | -.001616 |
| #2 | -.000112 | .0772366 | .0004551 | .0003080 | -.032728 | -.007046 | -.017263 |
| #3 | .000219  | .0718383 | .0008055 | .0004126 | -.389373 | -.003534 | .000332  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0952708 | -.000449 | .0129549 | .0001305 | -.000190 | -.000136 | -.000678 |
| Stddev | .0671873 | .002080  | .0007200 | .0000921 | .001161  | .001104  | .000300  |
| %RSD   | 70.52251 | 462.7840 | 5.557985 | 70.59816 | 611.9815 | 810.9832 | 44.19195 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0187243 | -.000901 | .0137850 | .0002322 | -.000530 | -.001317 | -.000415 |
| #2 | .1226068 | -.002266 | .0125791 | .0001065 | .001103  | .000869  | -.000616 |
| #3 | .1444811 | .001819  | .0125005 | .0000528 | -.001142 | .000040  | -.001004 |

Sample Name: CCB084      Acquired: 10/25/2018 16:02:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v700)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB084      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002415 | .0060688 | -.000080 |
| Stddev | .0004253 | .0005171 | .000018  |
| %RSD   | 176.0713 | 8.520744 | 22.45129 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000238 | .0066368 | -.000060 |
| #2 | .000574  | .0056253 | -.000092 |
| #3 | .000388  | .0059444 | -.000090 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2220.237 | 2562.498 | 48481.17 | 4759.392 | 3733.125 |
| Stddev    | 6.214    | 1.532    | 164.48   | 3.653    | .438     |
| %RSD      | .2798890 | .0597942 | .3392570 | .0767432 | .0117231 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2214.247 | 2562.003 | 48345.76 | 4755.175 | 3732.949 |
| #2 | 2226.653 | 2564.216 | 48664.20 | 4761.575 | 3732.802 |
| #3 | 2219.811 | 2561.274 | 48433.56 | 4761.425 | 3733.623 |