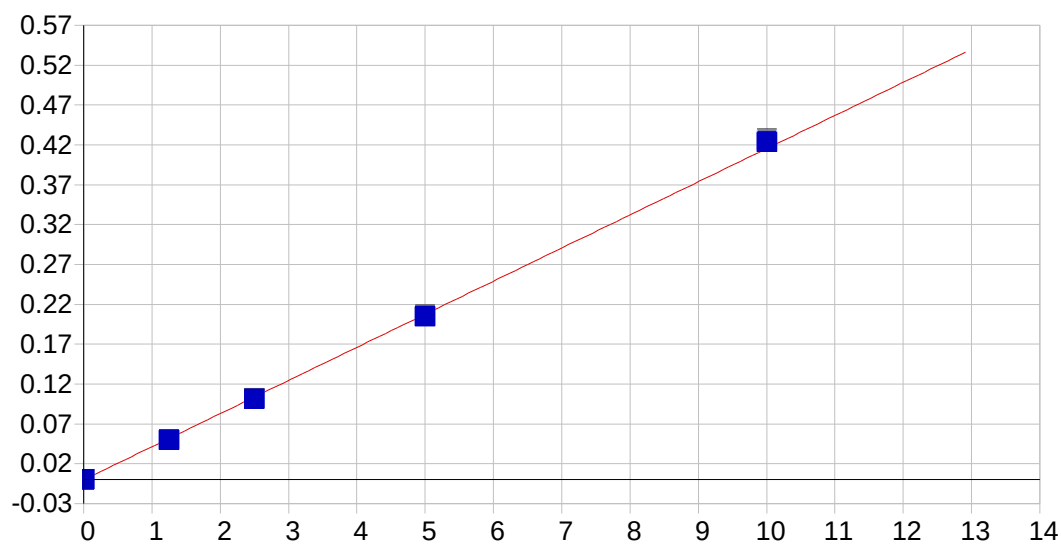




As 189.042 {479}

Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000112

Re-Slope: 1.000000

A1 (Gain): 0.041545

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999744

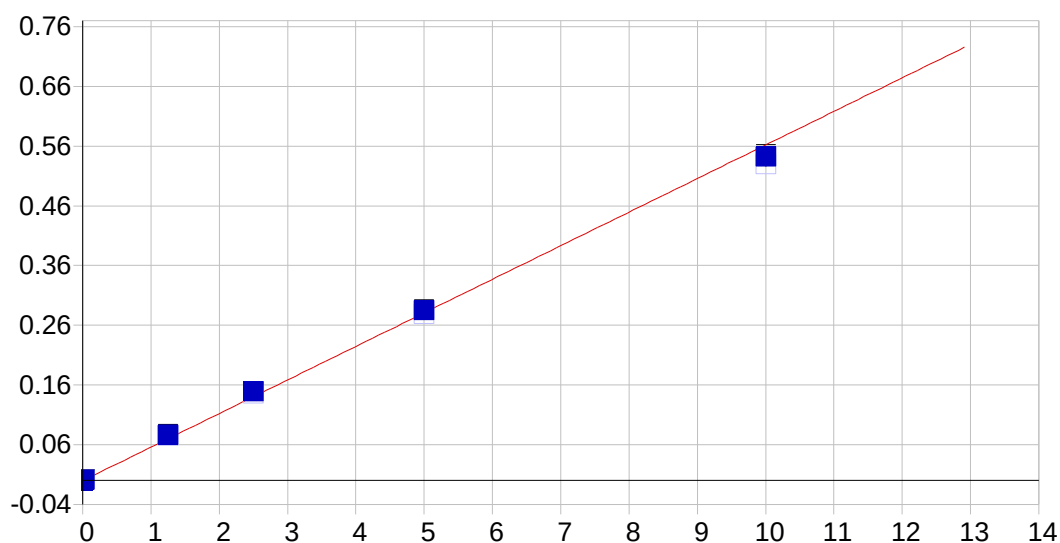
Status: OK.

Std Error of Est: 0.000016

Predicted MDL: 0.003195

Predicted MQL: 0.010650

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00011 | .000    | 1        |
| S1        | .01000       | .00760      | -.002      | -24.0   | .00020  | .000    | 1        |
| S2        | 1.2500       | 1.1939      | -.056      | -4.49   | .04978  | .000    | 1        |
| S3        | 2.5000       | 2.4377      | -.062      | -2.49   | .10175  | .000    | 1        |
| S4        | 5.0000       | 4.9235      | -.077      | -1.53   | .20561  | .001    | 1        |
| S5        | 10.000       | 10.197      | .197       | 1.97    | .42589  | .002    | 1        |



TI 190.856 {477}

Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000186

Re-Slope: 1.000000

A1 (Gain): 0.056208

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999063

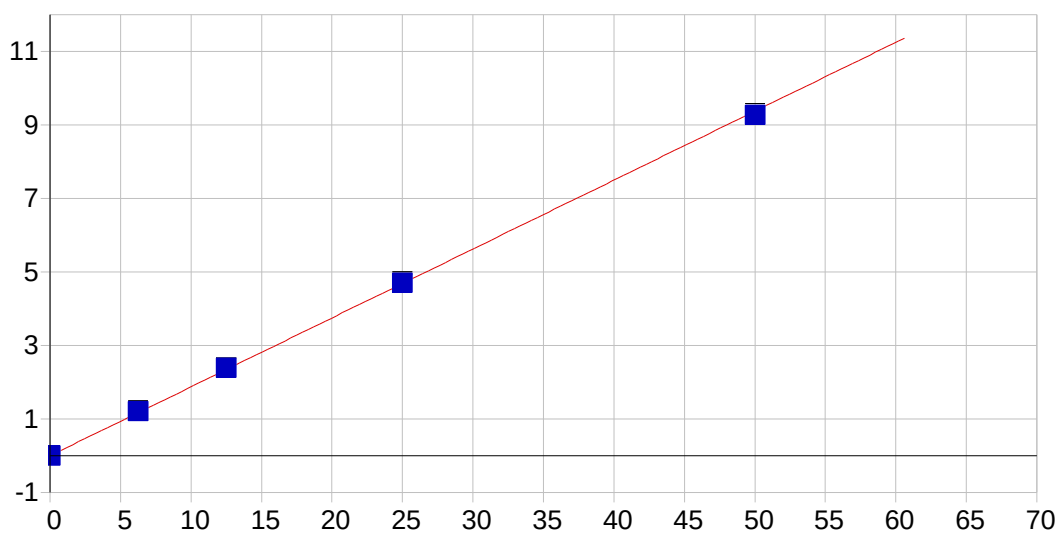
Status: OK.

Std Error of Est: 0.000063

Predicted MDL: 0.001982

Predicted MQL: 0.006607

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00019 | .000    | 1        |
| S1        | .02500       | .02941      | .004       | 17.6    | .00135  | .000    | 1        |
| S2        | 1.2500       | 1.3649      | .115       | 9.19    | .07485  | .001    | 1        |
| S3        | 2.5000       | 2.6505      | .150       | 6.02    | .14544  | .001    | 1        |
| S4        | 5.0000       | 5.0769      | .077       | 1.54    | .27847  | .001    | 1        |
| S5        | 10.000       | 9.6536      | -.346      | -3.46   | .52901  | .004    | 1        |

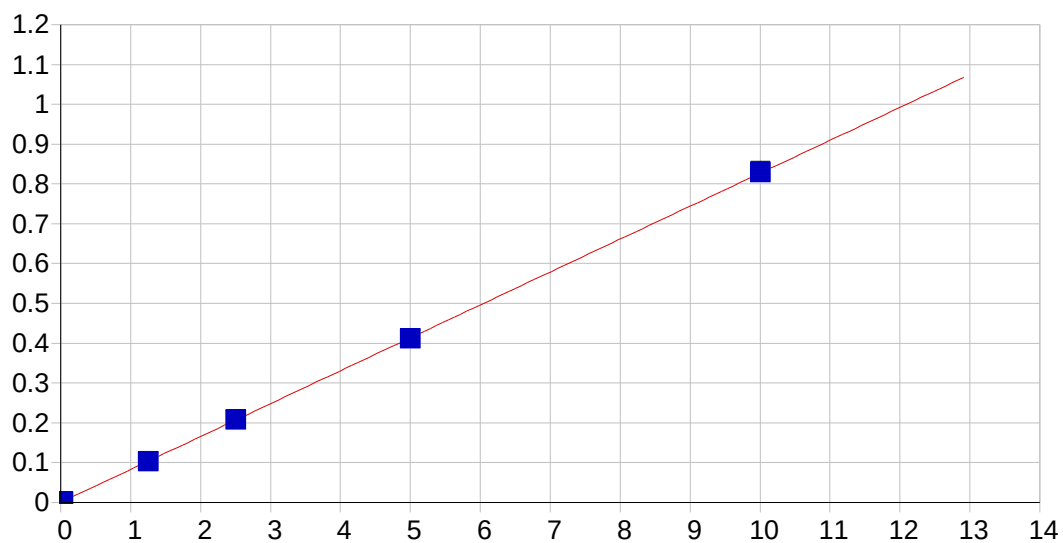


Pb 220.353 {453}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000228 Re-Slope: 1.000000  
 A1 (Gain): 0.187483 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999889 Status: OK.  
 Std Error of Est: 0.000105  
 Predicted MDL: 0.001404  
 Predicted MQL: 0.004680

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00023 | .000    | 1        |
| S1        | .01000       | .00991      | .000       | -.860   | .00163  | .000    | 1        |
| S2        | 6.2500       | 6.4789      | .229       | 3.66    | 1.2147  | .003    | 1        |
| S3        | 12.500       | 12.770      | .270       | 2.16    | 2.3945  | .007    | 1        |
| S4        | 25.000       | 25.067      | .067       | .269    | 4.7005  | .026    | 1        |
| S5        | 50.000       | 49.434      | -.566      | -1.13   | 9.2699  | .051    | 1        |

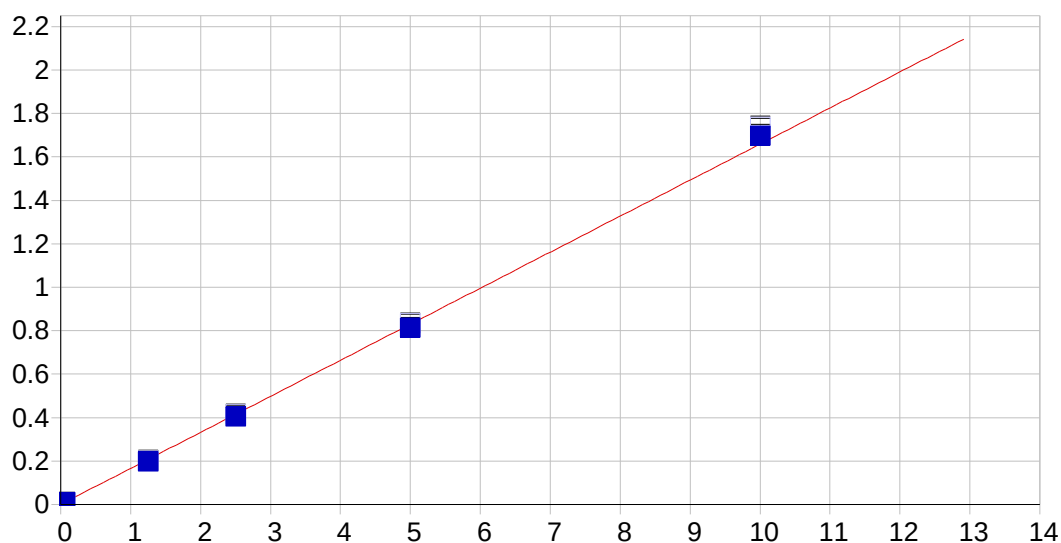


Se 196.090 {472}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000298 Re-Slope: 1.000000  
 A1 (Gain): 0.082664 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999993 Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 0.002350  
 Predicted MQL: 0.007834

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00030 | .000    | 1        |
| S1        | .03500       | .03419      | -.001      | -2.30   | .00312 | .000    | 1        |
| S2        | 1.2500       | 1.2407      | -.009      | -.741   | .10248 | .001    | 1        |
| S3        | 2.5000       | 2.5058      | .006       | .230    | .20667 | .000    | 1        |
| S4        | 5.0000       | 4.9779      | -.022      | -.441   | .41026 | .001    | 1        |
| S5        | 10.000       | 10.026      | .026       | .264    | .82606 | .003    | 1        |

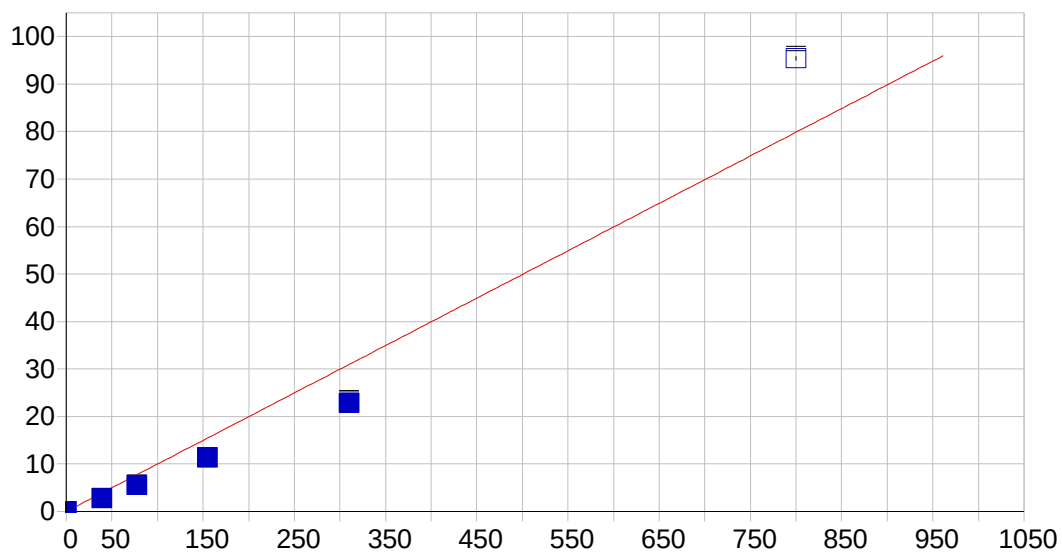


Sb 206.833 {463}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000355 Re-Slope: 1.000000  
 A1 (Gain): 0.165892 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999685 Status: OK.  
 Std Error of Est: 0.000175  
 Predicted MDL: 0.001255  
 Predicted MQL: 0.004184

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00036 | .000    | 1        |
| S1        | .06000       | .05635      | -.004      | -6.09   | .00970 | .000    | 1        |
| S2        | 1.2500       | 1.1918      | -.058      | -4.65   | .20305 | .002    | 1        |
| S3        | 2.5000       | 2.4318      | -.068      | -2.73   | .41374 | .002    | 1        |
| S4        | 5.0000       | 4.8961      | -.104      | -2.08   | .83252 | .002    | 1        |
| S5        | 10.000       | 10.234      | .234       | 2.34    | 1.7379 | .005    | 1        |

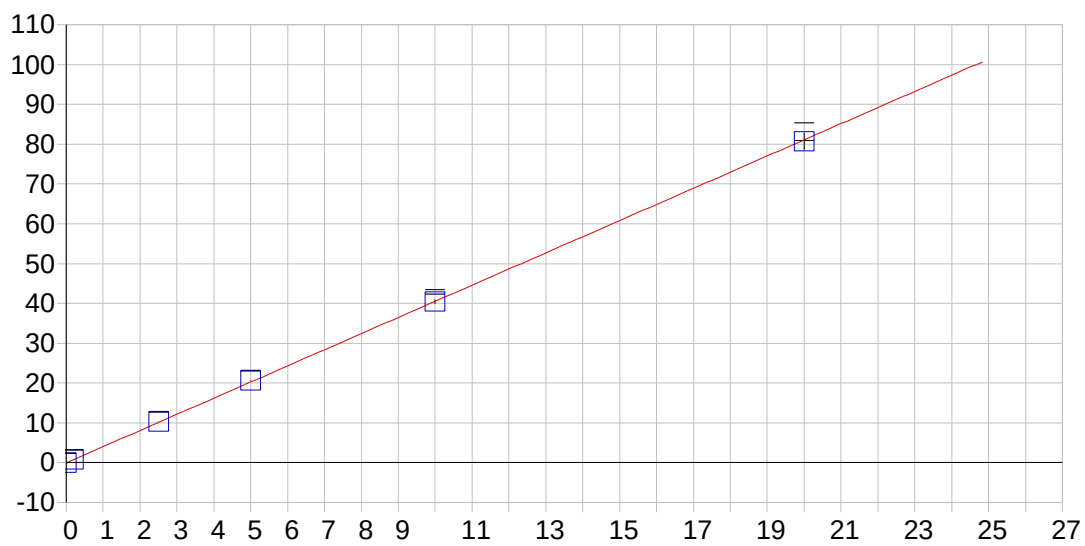


AI 396.152 { 85}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000621 Re-Slope: 1.000000  
 A1 (Gain): 0.099827 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.974813 Status: OK.  
 Std Error of Est: 0.014204  
 Predicted MDL: 0.004254  
 Predicted MQL: 0.014178

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00024      | .000       | .000    | .00064 | .000    | 1        |
| S1        | .20000       | .14123      | -.059      | -29.4   | .01476 | .000    | 1        |
| S2        | 38.750       | 27.407      | -11.3      | -29.3   | 2.7412 | .018    | 1        |
| S3        | 77.500       | 55.820      | -21.7      | -28.0   | 5.5823 | .001    | 1        |
| S4        | 155.00       | 112.90      | -42.1      | -27.2   | 11.290 | .046    | 1        |
| S5        | 310.00       | 229.20      | -80.8      | -26.1   | 22.918 | .468    | 1        |
| S6        | 800.00       | 956.17      | 156.       | 19.5    | 95.452 | .454    | 1        |

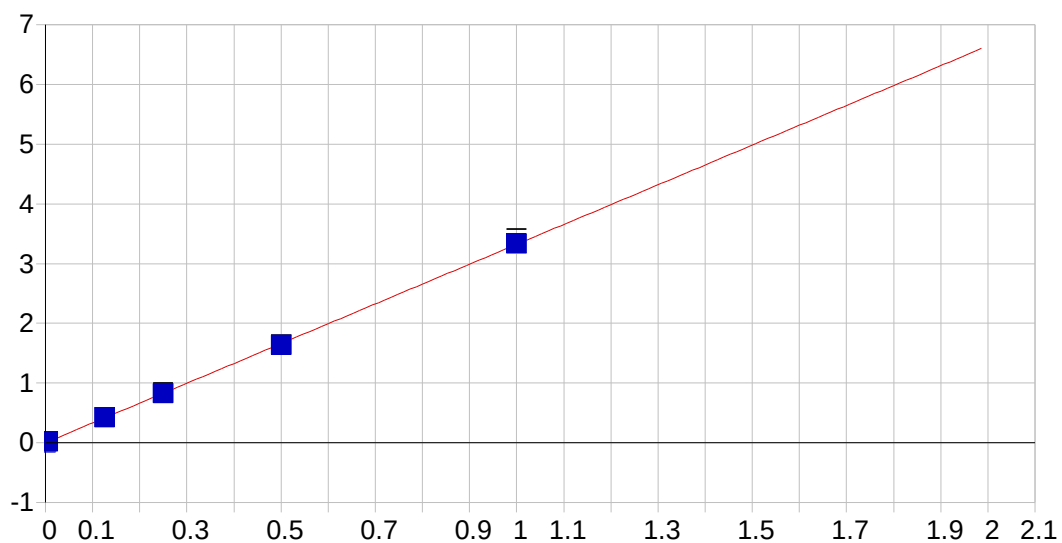


Ba 493.409 { 68}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.022670 Re-Slope: 1.000000  
 A1 (Gain): 4.055046 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959 Status: OK.  
 Std Error of Est: 0.003884  
 Predicted MDL: 0.000288  
 Predicted MQL: 0.000959

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.02269 | .000    | 1        |
| S1        | .20000       | .20007      | .000       | .036    | .78863  | .003    | 1        |
| S2        | 2.5000       | 2.5373      | .037       | 1.49    | 10.266  | .081    | 1        |
| S3        | 5.0000       | 5.0965      | .096       | 1.93    | 20.644  | .099    | 1        |
| S4        | 10.000       | 9.9732      | -.027      | -.268   | 40.419  | .531    | 1        |
| S5        | 20.000       | 19.893      | -.107      | -.535   | 80.644  | 2.23    | 1        |



Be 234.861 {144}

Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000963

Re-Slope: 1.000000

A1 (Gain): 3.323090

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999957

Status: OK.

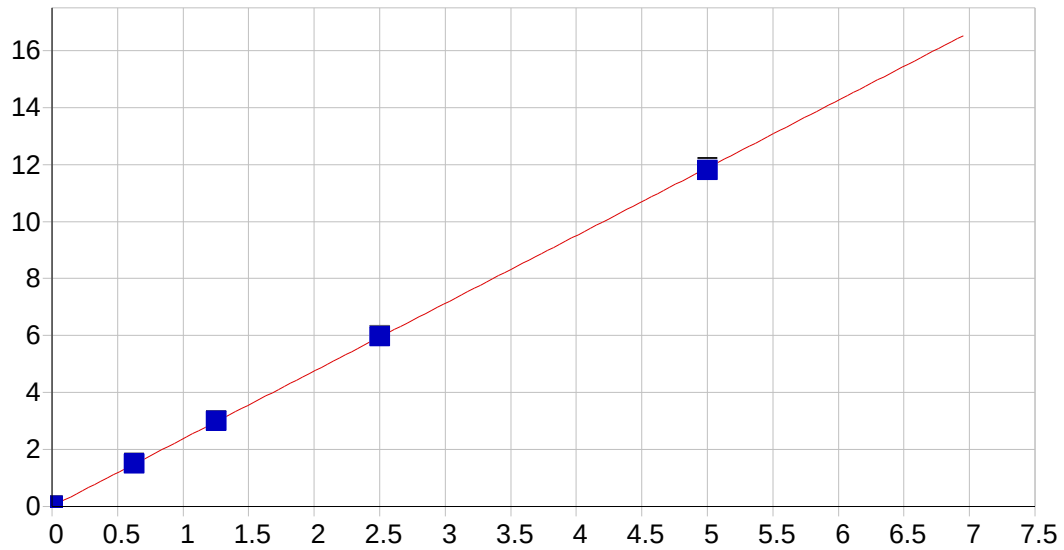
Std Error of Est: 0.000116

Predicted MDL: 0.000067

Predicted MQL: 0.000224

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00096 | .000    | 1        |
| S1        | .00500       | .00523      | .000       | 4.56    | .01640  | .000    | 1        |
| S2        | .12500       | .12781      | .003       | 2.25    | .42236  | .002    | 1        |
| S3        | .25000       | .24967      | .000       | -.130   | .82594  | .007    | 1        |
| S4        | .50000       | .49385      | -.006      | -1.23   | 1.6346  | .007    | 1        |
| S5        | 1.0000       | 1.0034      | .003       | .344    | 3.3224  | .088    | 1        |



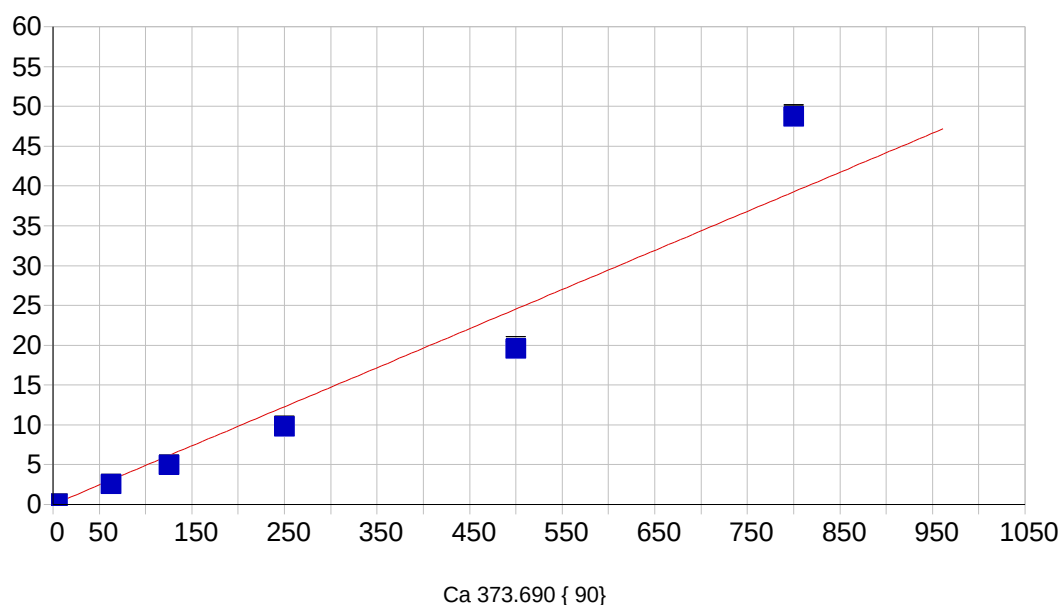


Cd 214.438 {457}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000825 Re-Slope: 1.000000  
 A1 (Gain): 2.376354 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000165  
 Predicted MDL: 0.000078  
 Predicted MQL: 0.000260

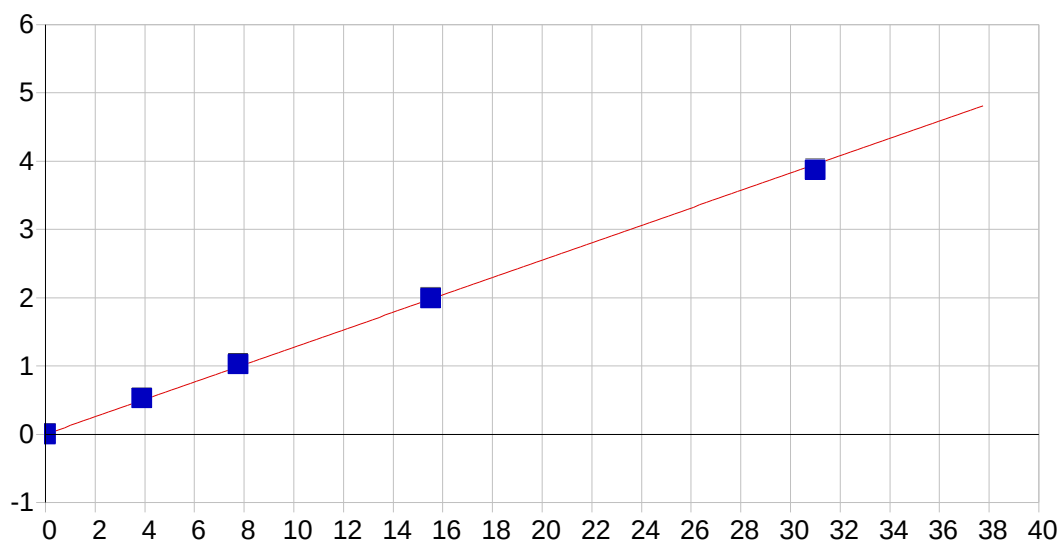
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00083 | .000    | 1        |
| S1        | .00500       | .00484      | .000       | -3.21   | .01233 | .000    | 1        |
| S2        | .62500       | .63454      | .010       | 1.53    | 1.5122 | .004    | 1        |
| S3        | 1.2500       | 1.2642      | .014       | 1.14    | 3.0121 | .006    | 1        |
| S4        | 2.5000       | 2.5127      | .013       | .508    | 5.9859 | .029    | 1        |
| S5        | 5.0000       | 4.9637      | -.036      | -.726   | 11.824 | .070    | 1        |



Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001664 Re-Slope: 1.000000  
 A1 (Gain): 0.049074 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.975768 Status: OK.  
 Std Error of Est: 0.038348  
 Predicted MDL: 0.007357  
 Predicted MQL: 0.024523

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00684      | .007       | .000    | .00200 | .001    | 1        |
| S1        | 5.0000       | .83957      | -4.16      | -83.2   | .04285 | .000    | 1        |
| S2        | 62.500       | 51.441      | -11.1      | -17.7   | 2.5224 | .015    | 1        |
| S3        | 125.00       | 101.04      | -24.0      | -19.2   | 4.9526 | .018    | 1        |
| S4        | 250.00       | 198.68      | -51.3      | -20.5   | 9.7366 | .099    | 1        |
| S5        | 500.00       | 398.49      | -102.      | -20.3   | 19.527 | .309    | 1        |
| S6        | 800.00       | 992.18      | 192.       | 24.0    | 48.612 | .320    | 1        |

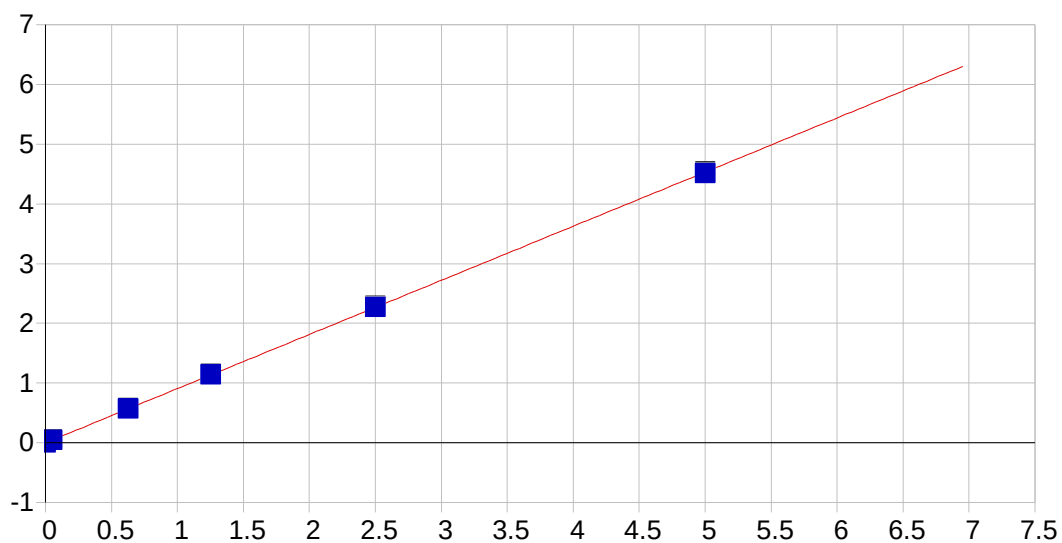


Cr 267.716 {126}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000022 Re-Slope: 1.000000  
 A1 (Gain): 0.127529 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999645 Status: OK.  
 Std Error of Est: 0.000101  
 Predicted MDL: 0.000558  
 Predicted MQL: 0.001861

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01000       | .01155      | .002       | 15.5    | .00147  | .000    | 1        |
| S2        | 3.8750       | 4.1273      | .252       | 6.51    | .52761  | .002    | 1        |
| S3        | 7.7500       | 8.0374      | .287       | 3.71    | 1.0275  | .003    | 1        |
| S4        | 15.500       | 15.605      | .105       | .675    | 1.9951  | .009    | 1        |
| S5        | 31.000       | 30.354      | -.646      | -2.08   | 3.8813  | .007    | 1        |

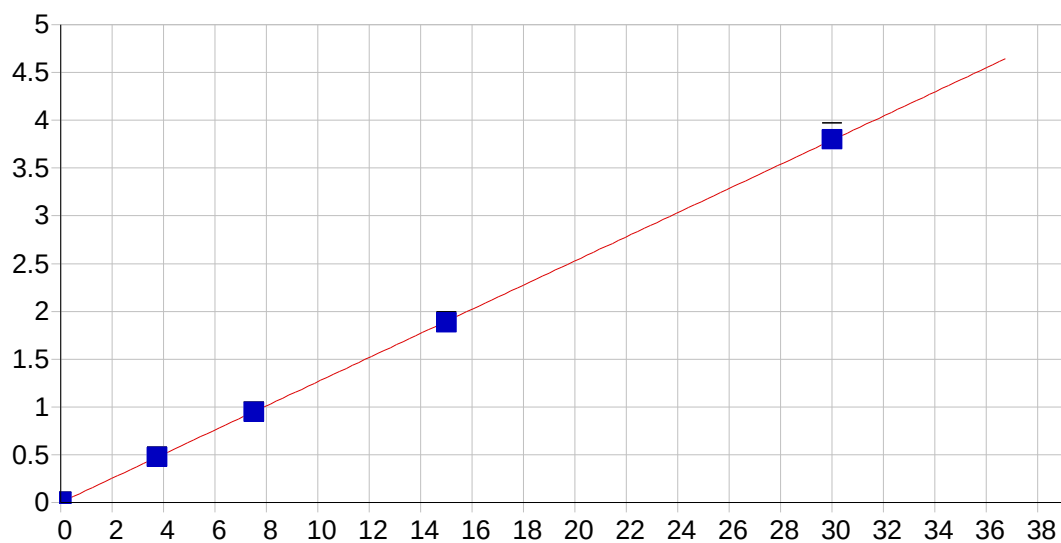


Co 228.616 {448}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000126 Re-Slope: 1.000000  
 A1 (Gain): 0.906452 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999973 Status: OK.  
 Std Error of Est: 0.000176  
 Predicted MDL: 0.000211  
 Predicted MQL: 0.000703

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00012 | .000    | 1        |
| S1        | .05000       | .04765      | -.002      | -4.70   | .04323  | .000    | 1        |
| S2        | .62500       | .63309      | .008       | 1.29    | .57492  | .001    | 1        |
| S3        | 1.2500       | 1.2623      | .012       | .984    | 1.1465  | .004    | 1        |
| S4        | 2.5000       | 2.5083      | .008       | .333    | 2.2783  | .013    | 1        |
| S5        | 5.0000       | 4.9736      | -.026      | -.527   | 4.5177  | .021    | 1        |

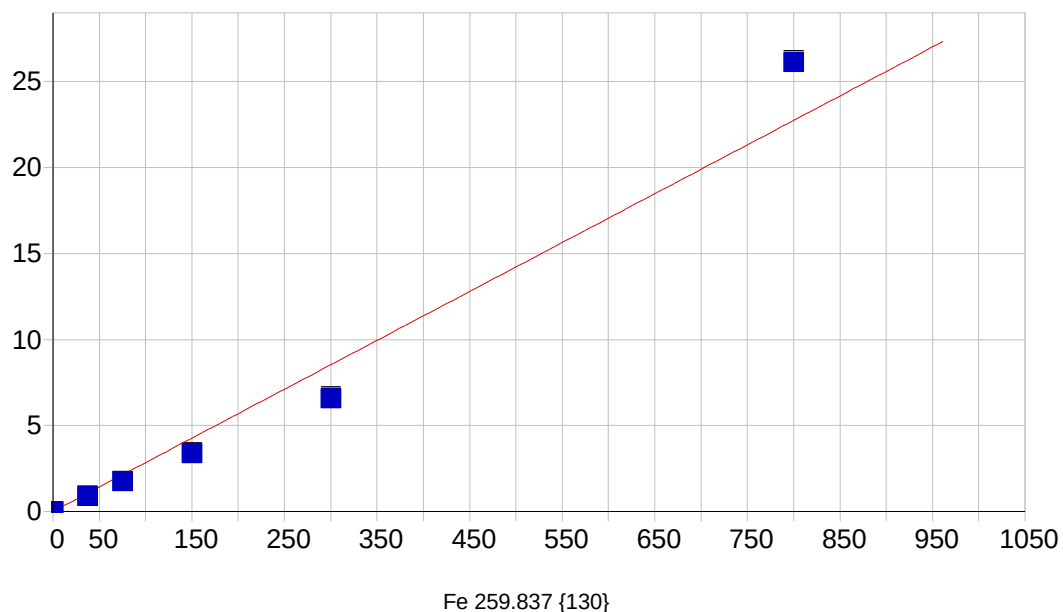


Cu 324.754 {104}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000520 Re-Slope: 1.000000  
 A1 (Gain): 0.126344 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999990 Status: OK.  
 Std Error of Est: 0.000026  
 Predicted MDL: 0.001644  
 Predicted MQL: 0.005481

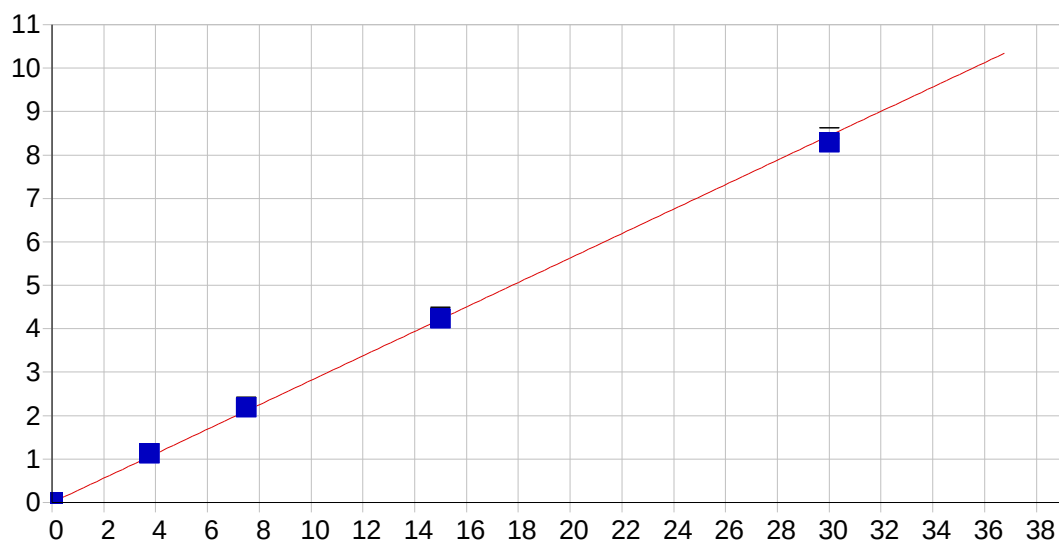
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00052 | .000    | 1        |
| S1        | .02500       | .02784      | .003       | 11.4    | .00402 | .000    | 1        |
| S2        | 3.7500       | 3.7693      | .019       | .514    | .47634 | .003    | 1        |
| S3        | 7.5000       | 7.5092      | .009       | .123    | .94845 | .002    | 1        |
| S4        | 15.000       | 14.909      | -.091      | -.609   | 1.8825 | .009    | 1        |
| S5        | 30.000       | 30.060      | .060       | .200    | 3.7952 | .073    | 1        |



Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000211 Re-Slope: 1.000000  
 A1 (Gain): 0.028434 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.984501 Status: OK.  
 Std Error of Est: 0.002213  
 Predicted MDL: 0.004790  
 Predicted MQL: 0.015966

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00008      | .000       | .000    | .00021 | .000    | 1        |
| S1        | .10000       | .08169      | -.018      | -18.3   | .00255 | .000    | 1        |
| S2        | 37.500       | 31.486      | -6.01      | -16.0   | .89677 | .007    | 1        |
| S3        | 75.000       | 61.483      | -13.5      | -18.0   | 1.7510 | .007    | 1        |
| S4        | 150.00       | 118.86      | -31.1      | -20.8   | 3.3850 | .027    | 1        |
| S5        | 300.00       | 231.48      | -68.5      | -22.8   | 6.5923 | .089    | 1        |
| S6        | 800.00       | 919.29      | 119.       | 14.9    | 26.151 | .069    | 1        |

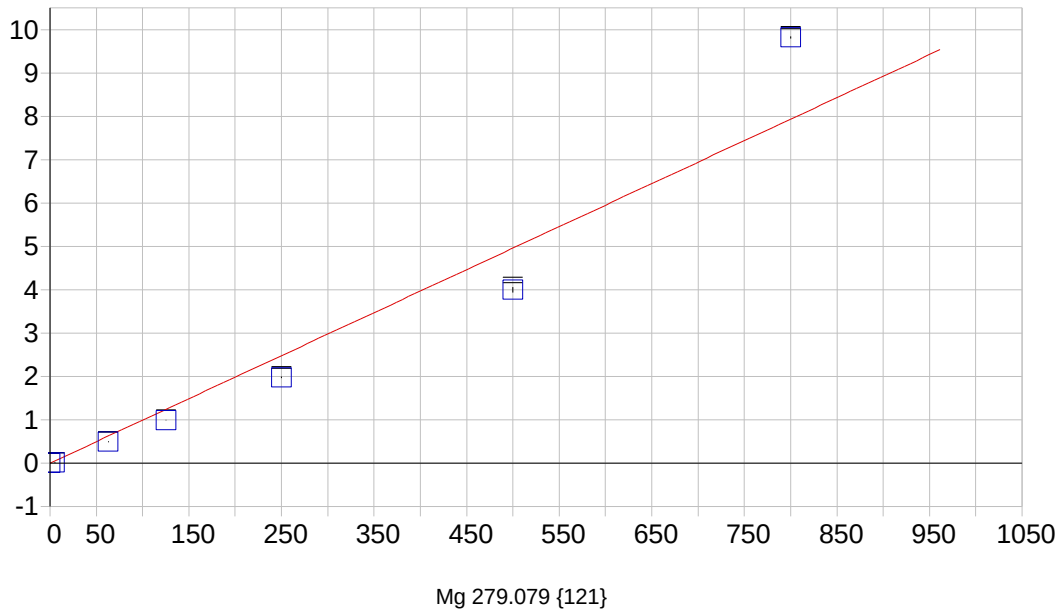


Mn 257.610 {131}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000058 Re-Slope: 1.000000  
 A1 (Gain): 0.281398 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999670 Status: OK.  
 Std Error of Est: 0.000257  
 Predicted MDL: 0.000430  
 Predicted MQL: 0.001433

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .01500       | .01652      | .002       | 10.1    | .00471 | .000    | 1        |
| S2        | 3.7500       | 3.9935      | .244       | 6.49    | 1.1241 | .005    | 1        |
| S3        | 7.5000       | 7.7784      | .278       | 3.71    | 2.1894 | .008    | 1        |
| S4        | 15.000       | 15.045      | .045       | .300    | 4.2346 | .035    | 1        |
| S5        | 30.000       | 29.432      | -.568      | -1.89   | 8.2839 | .120    | 1        |

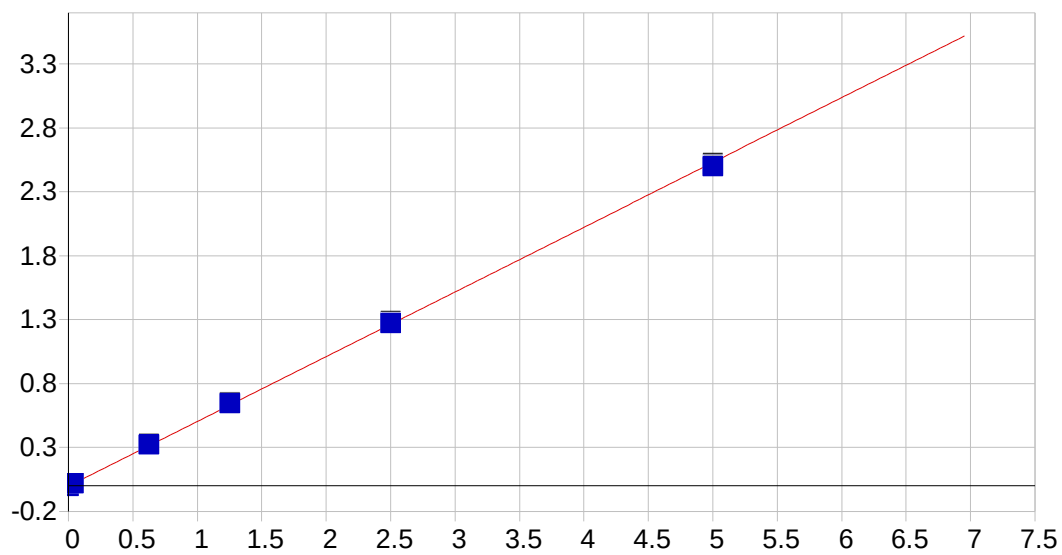


Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000261 Re-Slope: 1.000000  
 A1 (Gain): 0.009917 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.976391 Status: OK.  
 Std Error of Est: 0.007657  
 Predicted MDL: 0.016075  
 Predicted MQL: 0.053582

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00702      | .007       | .000    | -.00019 | .000    | 1        |
| S1        | 5.0000       | .79574      | -4.20      | -84.1   | .00763  | .000    | 1        |
| S2        | 62.500       | 49.871      | -12.6      | -20.2   | .49428  | .003    | 1        |
| S3        | 125.00       | 99.796      | -25.2      | -20.2   | .98938  | .004    | 1        |
| S4        | 250.00       | 199.62      | -50.4      | -20.2   | 1.9793  | .014    | 1        |
| S5        | 500.00       | 402.67      | -97.3      | -19.5   | 3.9928  | .063    | 1        |
| S6        | 800.00       | 989.74      | 190.       | 23.7    | 9.8146  | .026    | 1        |



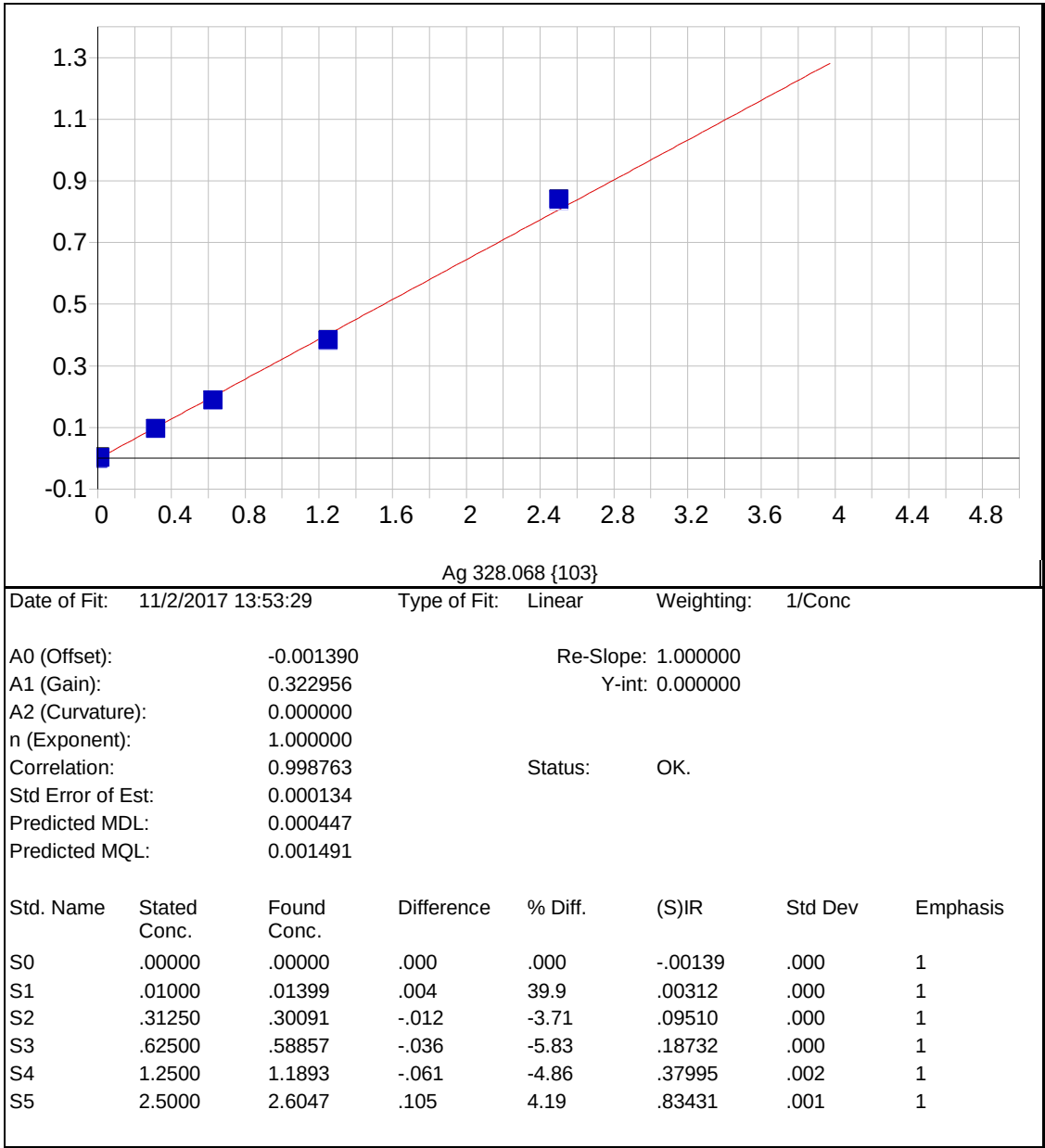


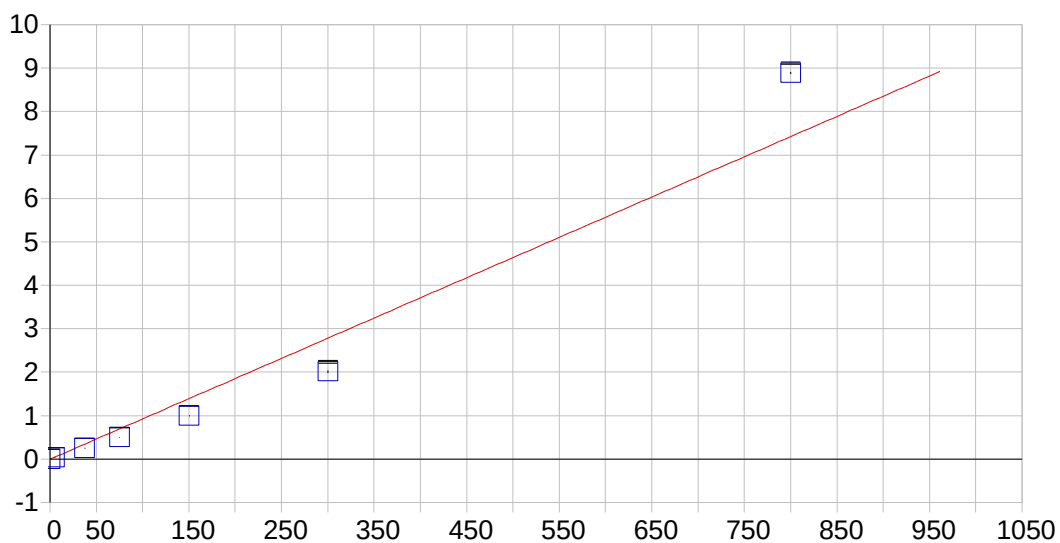
Ni 231.604 {446}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001175 Re-Slope: 1.000000  
 A1 (Gain): 0.506203 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999892 Status: OK.  
 Std Error of Est: 0.000178  
 Predicted MDL: 0.000389  
 Predicted MQL: 0.001297

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00118 | .000    | 1        |
| S1        | .04000       | .04006      | .000       | .154    | .01913  | .000    | 1        |
| S2        | .62500       | .64217      | .017       | 2.75    | .32556  | .001    | 1        |
| S3        | 1.2500       | 1.2782      | .028       | 2.26    | .64919  | .003    | 1        |
| S4        | 2.5000       | 2.5185      | .018       | .740    | 1.2804  | .007    | 1        |
| S5        | 5.0000       | 4.9360      | -.064      | -1.28   | 2.5108  | .012    | 1        |





Na 818.326 { 41}

Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.003384

Re-Slope: 1.000000

A1 (Gain): 0.009284

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.973563

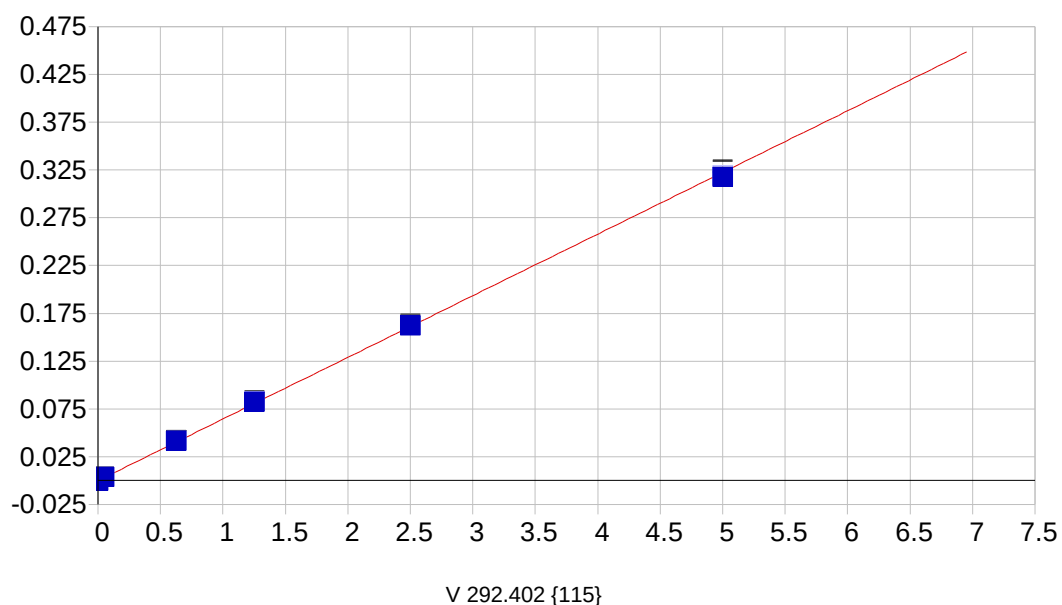
Status: OK.

Std Error of Est: 0.006735

Predicted MDL: 0.094055

Predicted MQL: 0.313517

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00594      | .006       | .000    | -.00333 | .001    | 1        |
| S1        | 5.0000       | 3.6471      | -1.35      | -27.1   | .03048  | .001    | 1        |
| S2        | 37.500       | 27.156      | -10.3      | -27.6   | .24874  | .002    | 1        |
| S3        | 75.000       | 54.031      | -21.0      | -28.0   | .49826  | .002    | 1        |
| S4        | 150.00       | 107.47      | -42.5      | -28.4   | .99443  | .003    | 1        |
| S5        | 300.00       | 217.13      | -82.9      | -27.6   | 2.0125  | .035    | 1        |
| S6        | 800.00       | 958.06      | 158.       | 19.8    | 8.8915  | .024    | 1        |



Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000055

Re-Slope: 1.000000

A1 (Gain): 0.064508

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999844

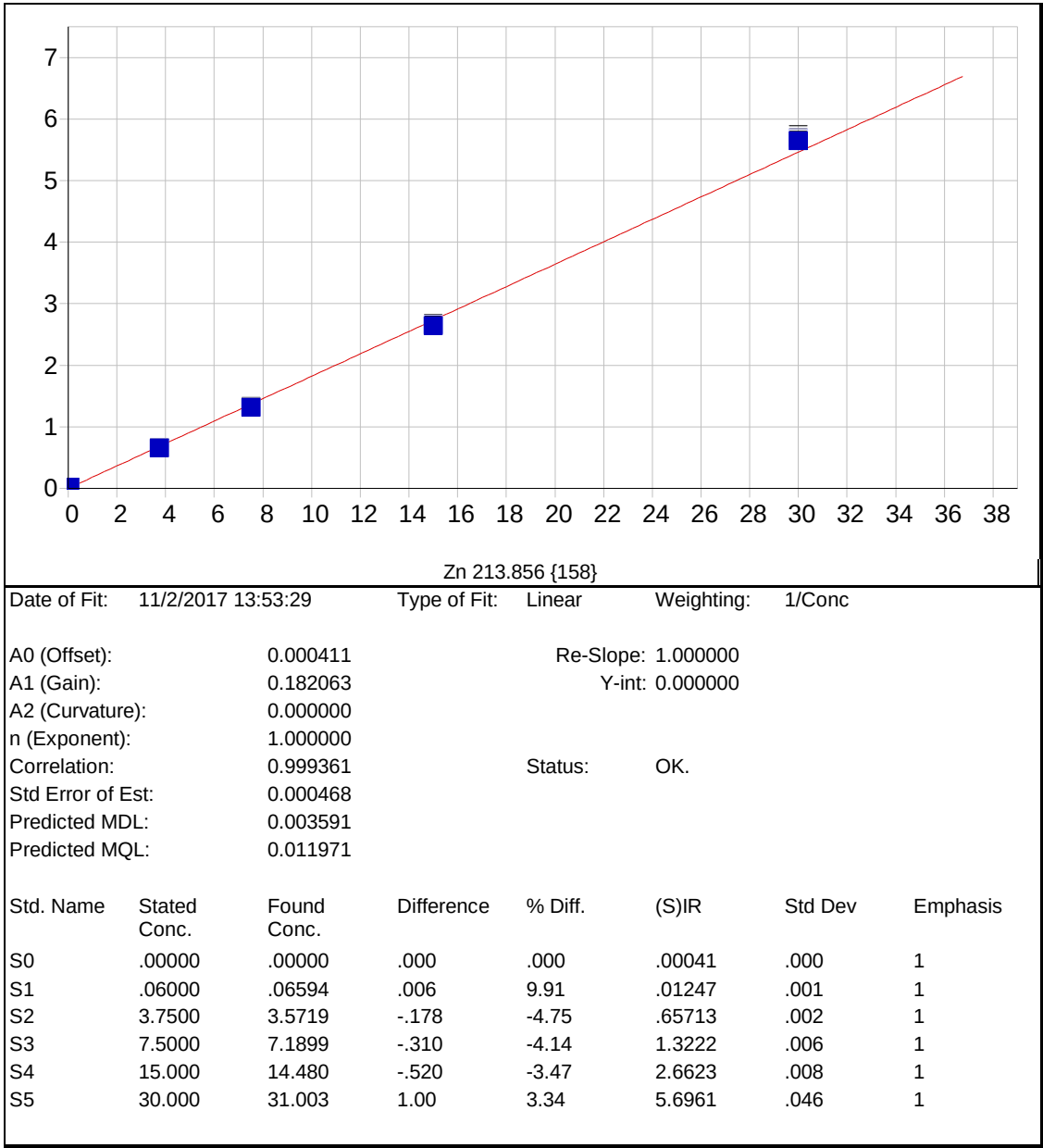
Status: OK.

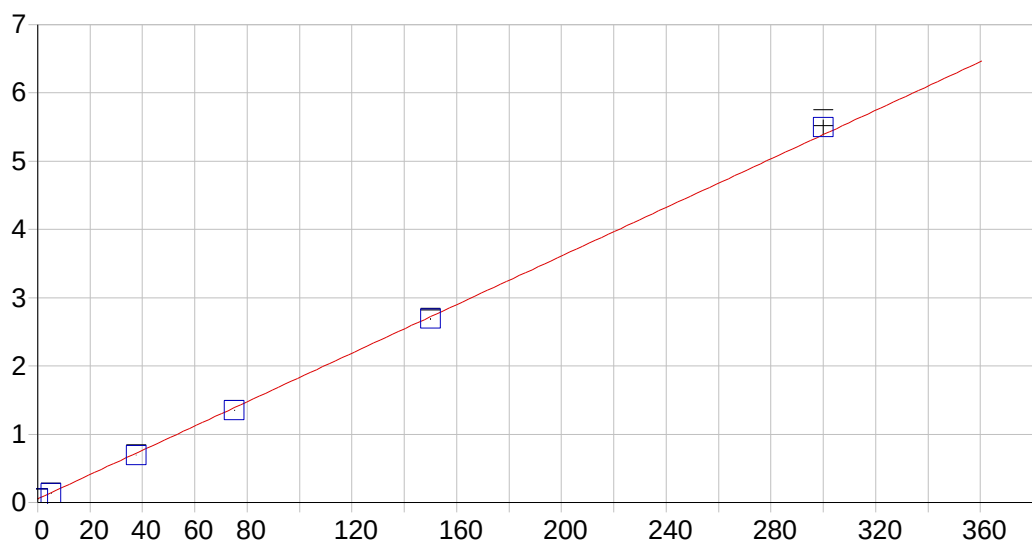
Std Error of Est: 0.000030

Predicted MDL: 0.002625

Predicted MQL: 0.008750

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .05000       | .05507      | .005       | 10.1    | .00351  | .000    | 1        |
| S2        | .62500       | .64698      | .022       | 3.52    | .04185  | .000    | 1        |
| S3        | 1.2500       | 1.2774      | .027       | 2.19    | .08268  | .001    | 1        |
| S4        | 2.5000       | 2.5157      | .016       | .629    | .16290  | .001    | 1        |
| S5        | 5.0000       | 4.9299      | -.070      | -1.40   | .31930  | .006    | 1        |



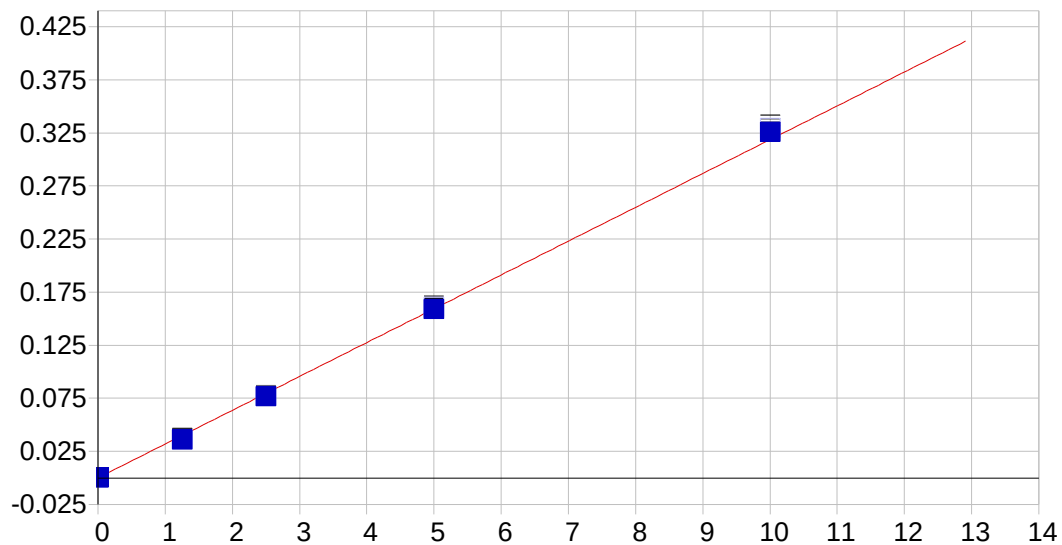


K 769.896 { 44}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.053488 Re-Slope: 1.000000  
 A1 (Gain): 0.017786 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999747 Status: OK.  
 Std Error of Est: 0.000825  
 Predicted MDL: 0.039697  
 Predicted MQL: 0.132325

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00064      | .001       | .000    | .05350 | .000    | 1        |
| S1        | 5.0000       | 4.6772      | -.323      | -6.46   | .13668 | .000    | 1        |
| S2        | 37.500       | 35.903      | -1.60      | -4.26   | .69206 | .003    | 1        |
| S3        | 75.000       | 72.835      | -2.16      | -2.89   | 1.3489 | .002    | 1        |
| S4        | 150.00       | 148.22      | -1.78      | -1.18   | 2.6898 | .010    | 1        |
| S5        | 300.00       | 305.86      | 5.86       | 1.95    | 5.4936 | .118    | 1        |

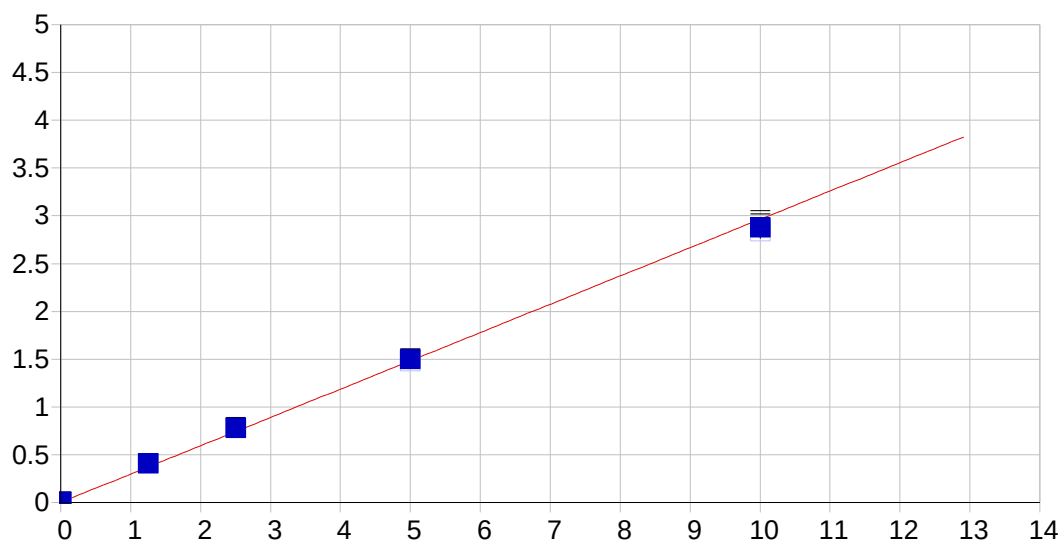


P 177.495 {490}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000061 Re-Slope: 1.000000  
 A1 (Gain): 0.031853 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999492 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.003052  
 Predicted MQL: 0.010173

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .01000       | .00921      | -.001      | -7.87   | .00036 | .000    | 1        |
| S2        | 1.2500       | 1.1344      | -.116      | -9.25   | .03665 | .001    | 1        |
| S3        | 2.5000       | 2.4013      | -.099      | -3.95   | .07746 | .000    | 1        |
| S4        | 5.0000       | 4.9944      | -.006      | -.111   | .16097 | .001    | 1        |
| S5        | 10.000       | 10.221      | .221       | 2.21    | .32926 | .003    | 1        |



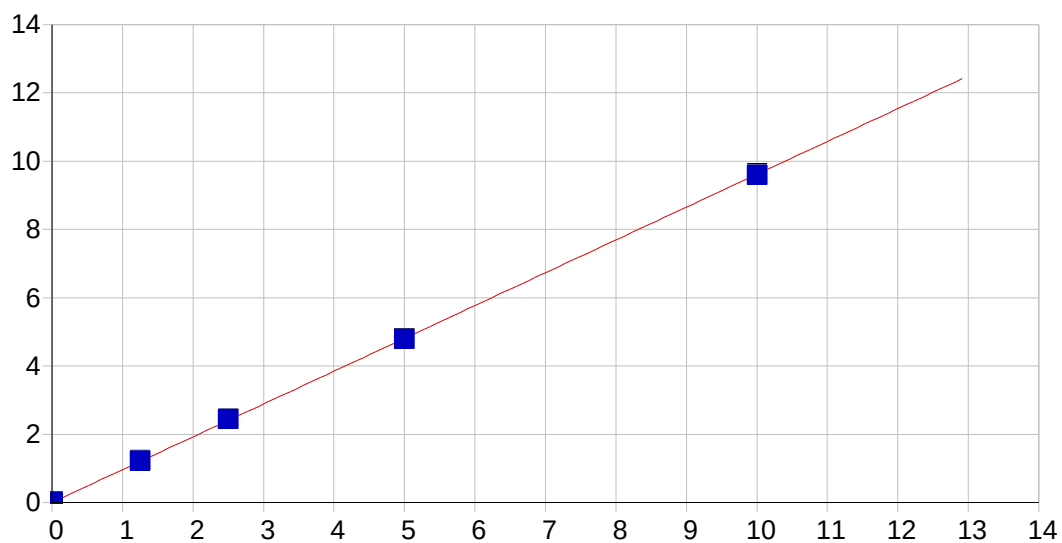
B 249.678 {135}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001402 Re-Slope: 1.000000  
 A1 (Gain): 0.296167 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999252 Status: OK.  
 Std Error of Est: 0.000190  
 Predicted MDL: 0.000831  
 Predicted MQL: 0.002771

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00140 | .000    | 1        |
| S1        | .01000       | .01203      | .002       | 20.3    | .00497 | .000    | 1        |
| S2        | 1.2500       | 1.3648      | .115       | 9.18    | .40097 | .001    | 1        |
| S3        | 2.5000       | 2.6348      | .135       | 5.39    | .77247 | .005    | 1        |
| S4        | 5.0000       | 5.0448      | .045       | .896    | 1.4770 | .009    | 1        |
| S5        | 10.000       | 9.7036      | -.296      | -2.96   | 2.8382 | .078    | 1        |



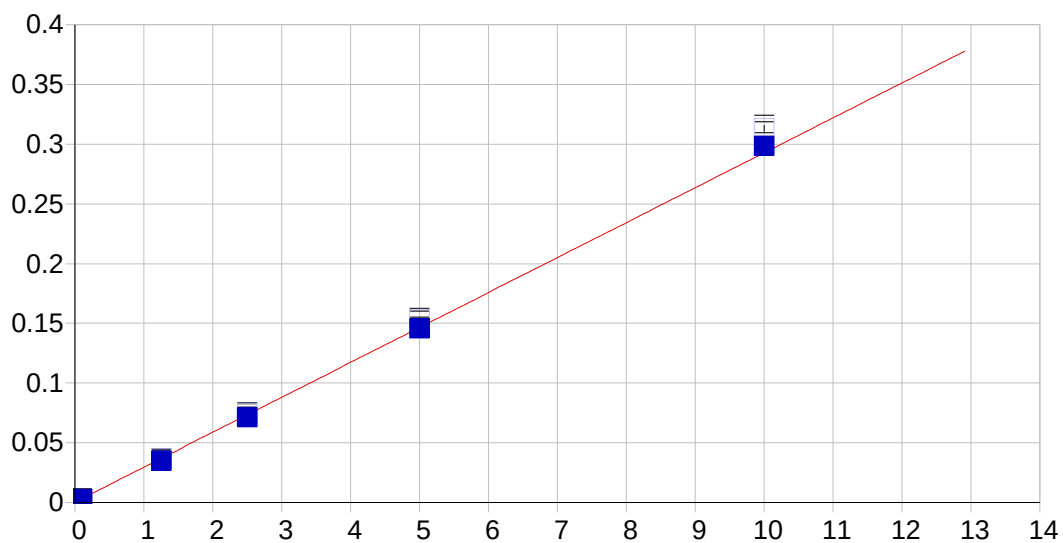


Mo 202.030 {467}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000756 Re-Slope: 1.000000  
 A1 (Gain): 0.961555 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999974 Status: OK.  
 Std Error of Est: 0.000115  
 Predicted MDL: 0.000225  
 Predicted MQL: 0.000752

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00076 | .000    | 1        |
| S1        | .01000       | .01025      | .000       | 2.48    | .01063 | .000    | 1        |
| S2        | 1.2500       | 1.2707      | .021       | 1.66    | 1.2237 | .010    | 1        |
| S3        | 2.5000       | 2.5320      | .032       | 1.28    | 2.4376 | .007    | 1        |
| S4        | 5.0000       | 4.9762      | -.024      | -.476   | 4.7900 | .016    | 1        |
| S5        | 10.000       | 9.9708      | -.029      | -.292   | 9.5969 | .040    | 1        |

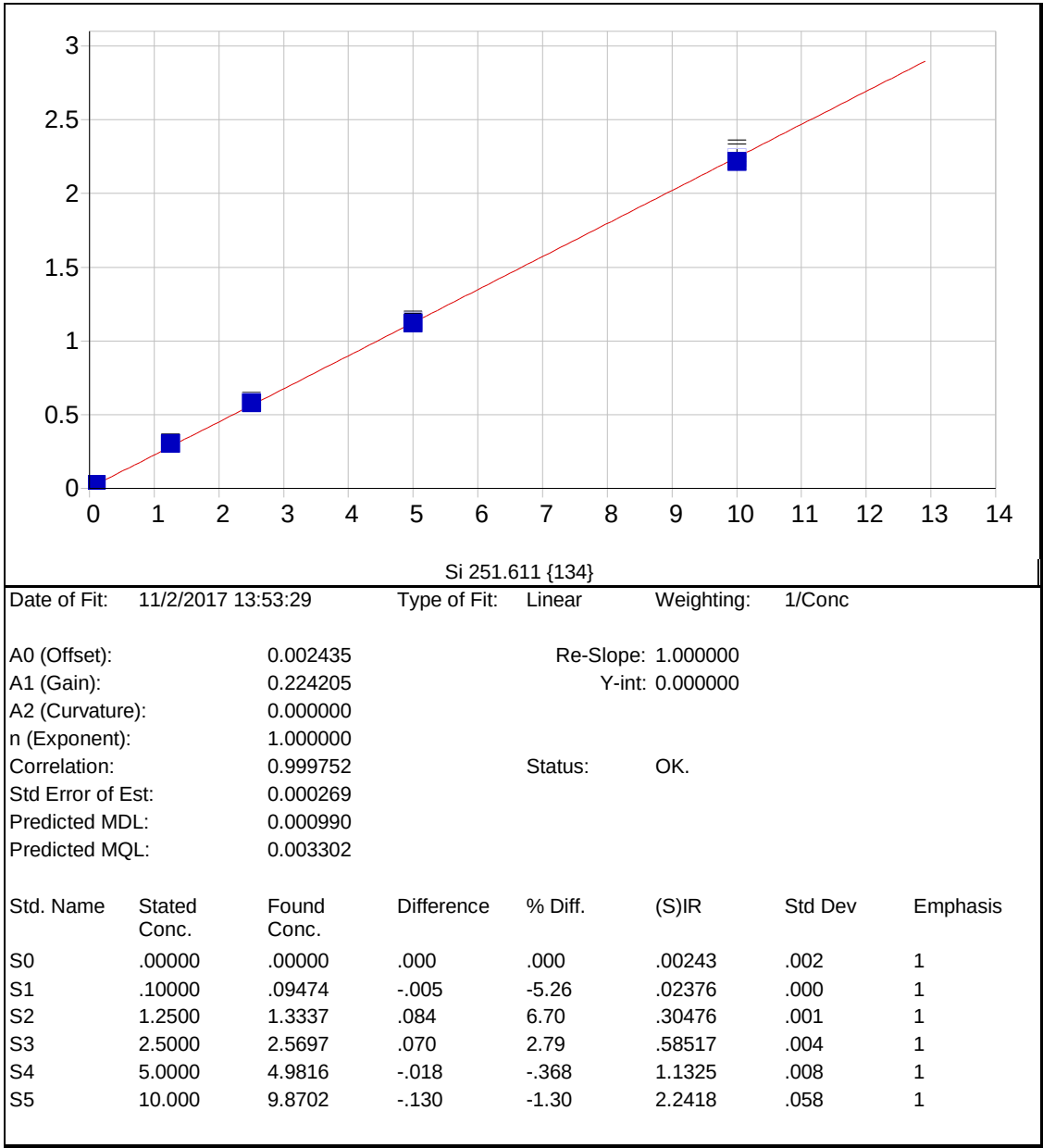


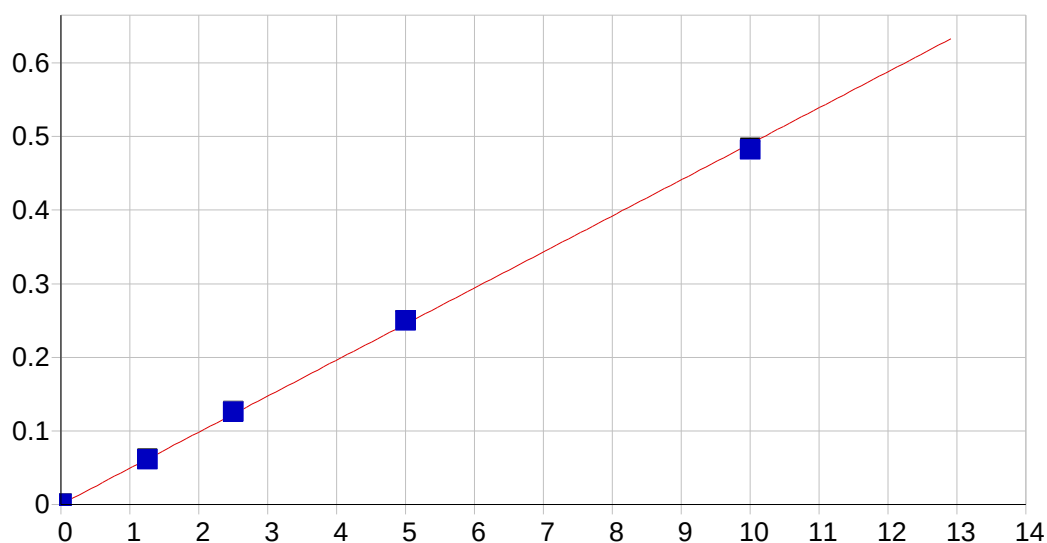
S 182.034 {485}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000300 Re-Slope: 1.000000  
 A1 (Gain): 0.029245 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999697 Status: OK.  
 Std Error of Est: 0.000040  
 Predicted MDL: 0.003623  
 Predicted MQL: 0.012076

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00030 | .000    | 1        |
| S1        | .10000       | .08611      | -.014      | -13.9   | .00282 | .000    | 1        |
| S2        | 1.2500       | 1.1755      | -.075      | -5.96   | .03654 | .000    | 1        |
| S3        | 2.5000       | 2.4215      | -.078      | -3.14   | .07483 | .000    | 1        |
| S4        | 5.0000       | 4.9752      | -.025      | -.497   | .15323 | .001    | 1        |
| S5        | 10.000       | 10.191      | .191       | 1.91    | .31321 | .003    | 1        |



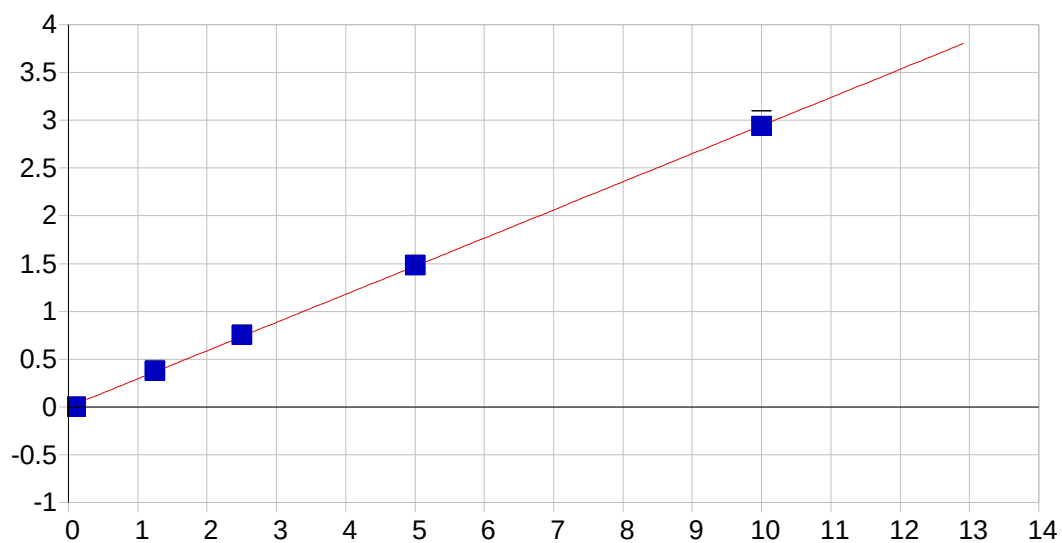


Sn 189.989 {478}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000218 Re-Slope: 1.000000  
 A1 (Gain): 0.048993 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999816 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.002213  
 Predicted MQL: 0.007375

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00022 | .000    | 1        |
| S1        | .00700       | .00490      | -.002      | -30.0   | .00045 | .000    | 1        |
| S2        | 1.2500       | 1.2467      | -.003      | -.264   | .06125 | .000    | 1        |
| S3        | 2.5000       | 2.5691      | .069       | 2.76    | .12599 | .000    | 1        |
| S4        | 5.0000       | 5.0953      | .095       | 1.91    | .24966 | .000    | 1        |
| S5        | 10.000       | 9.8409      | -.159      | -1.59   | .48197 | .002    | 1        |



Ti 336.121 {100}

Date of Fit: 11/2/2017 13:53:29

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000341

Re-Slope: 1.000000

A1 (Gain): 0.294435

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.997253

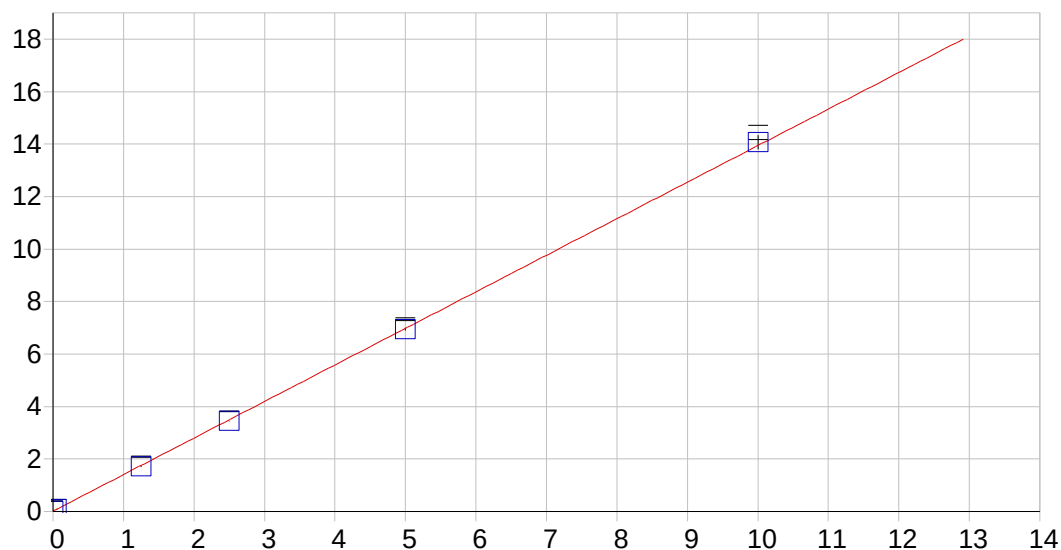
Status: OK.

Std Error of Est: 0.001162

Predicted MDL: 0.000875

Predicted MQL: 0.002917

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00010      | .000       | .000    | .00037 | .000    | 1        |
| S1        | .10000       | -.00062     | -.101      | -101.   | .00015 | .000    | 1        |
| S2        | 1.2500       | 1.2882      | .038       | 3.06    | .37952 | .003    | 1        |
| S3        | 2.5000       | 2.5562      | .056       | 2.25    | .75272 | .001    | 1        |
| S4        | 5.0000       | 5.0247      | .025       | .493    | 1.4793 | .003    | 1        |
| S5        | 10.000       | 9.9815      | -.018      | -.185   | 2.9382 | .055    | 1        |

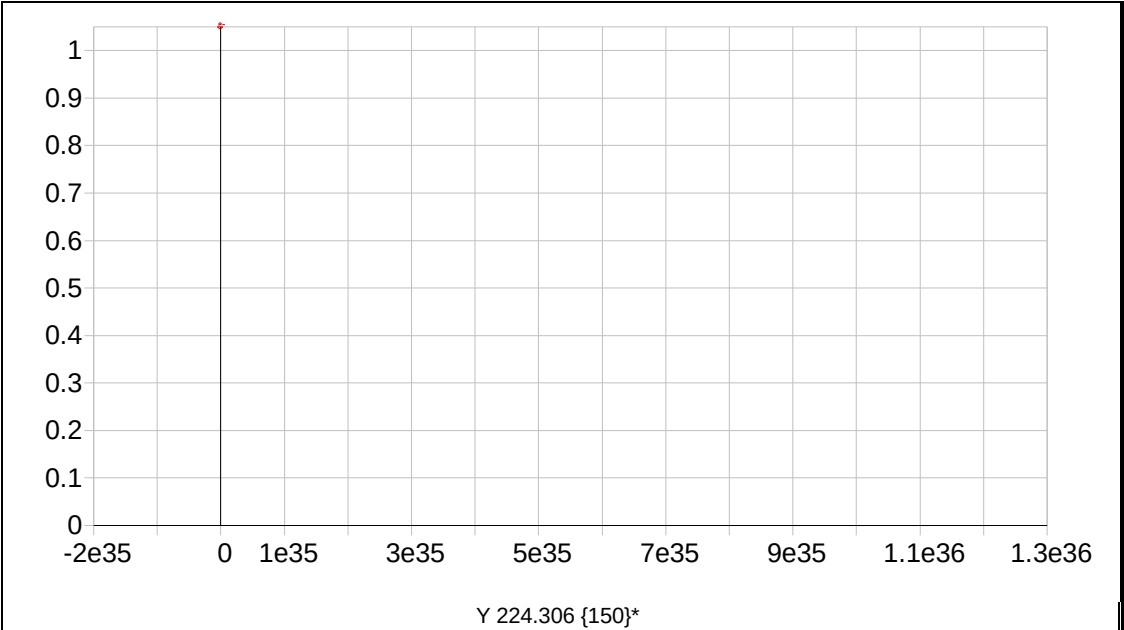


Li 670.784 { 50}

Date of Fit: 11/2/2017 13:53:29 Type of Fit: Linear Weighting: 1/Conc

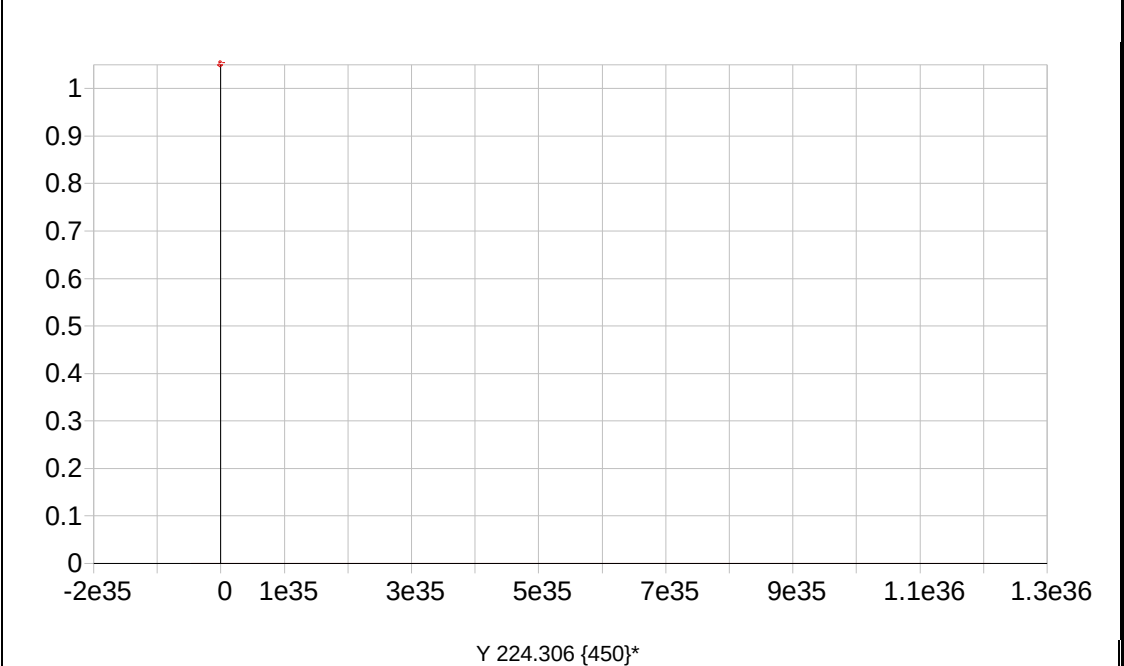
A0 (Offset): 0.014355 Re-Slope: 1.000000  
 A1 (Gain): 1.392675 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999933 Status: OK.  
 Std Error of Est: 0.000607  
 Predicted MDL: 0.000658  
 Predicted MQL: 0.002192

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .01436 | .000    | 1        |
| S5        | 10.000       | 10.094      | .094       | .942    | 14.072 | .275    | 1        |
| S4        | 5.0000       | 4.9775      | -.023      | -.450   | 6.9464 | .050    | 1        |
| S3        | 2.5000       | 2.4614      | -.039      | -1.54   | 3.4423 | .012    | 1        |
| S2        | 1.2500       | 1.2205      | -.029      | -2.36   | 1.7142 | .014    | 1        |
| S1        | .05000       | .04641      | -.004      | -7.17   | .07899 | .000    | 1        |

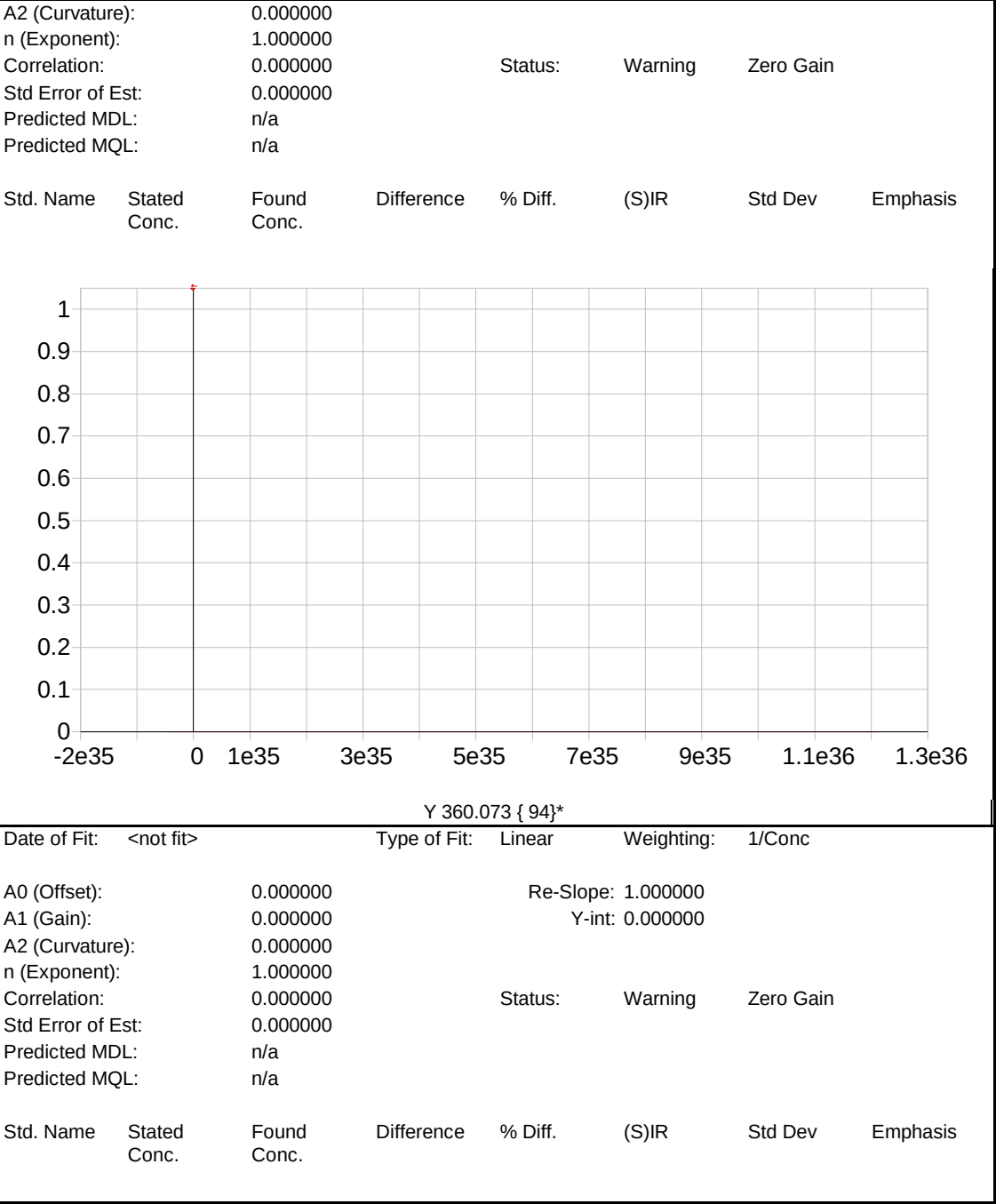


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

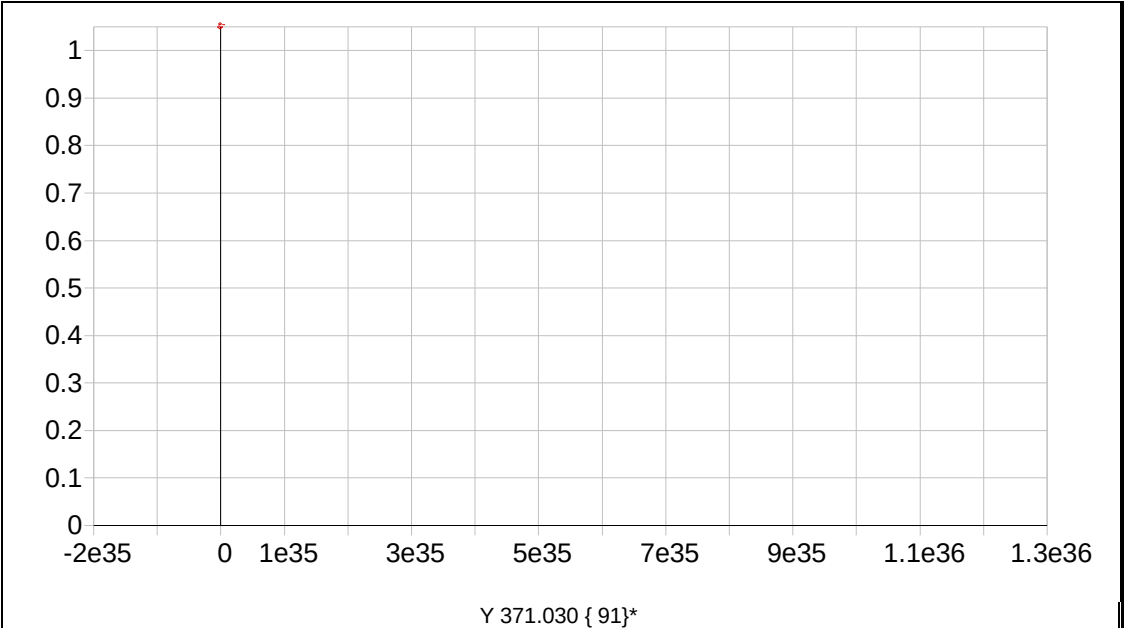
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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



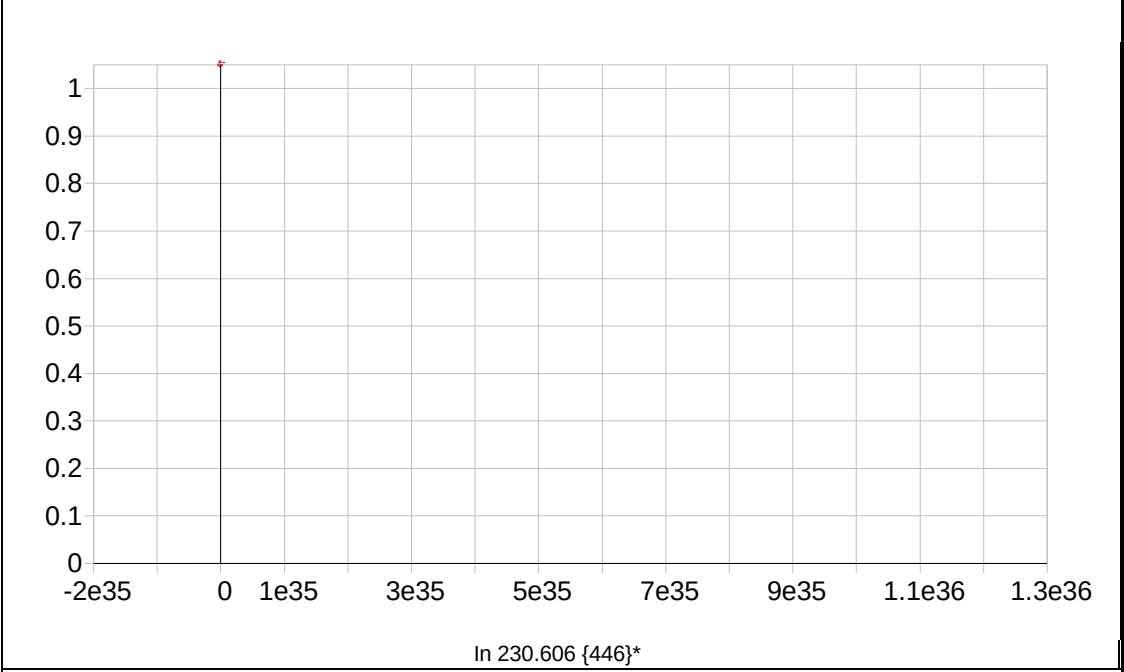




Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

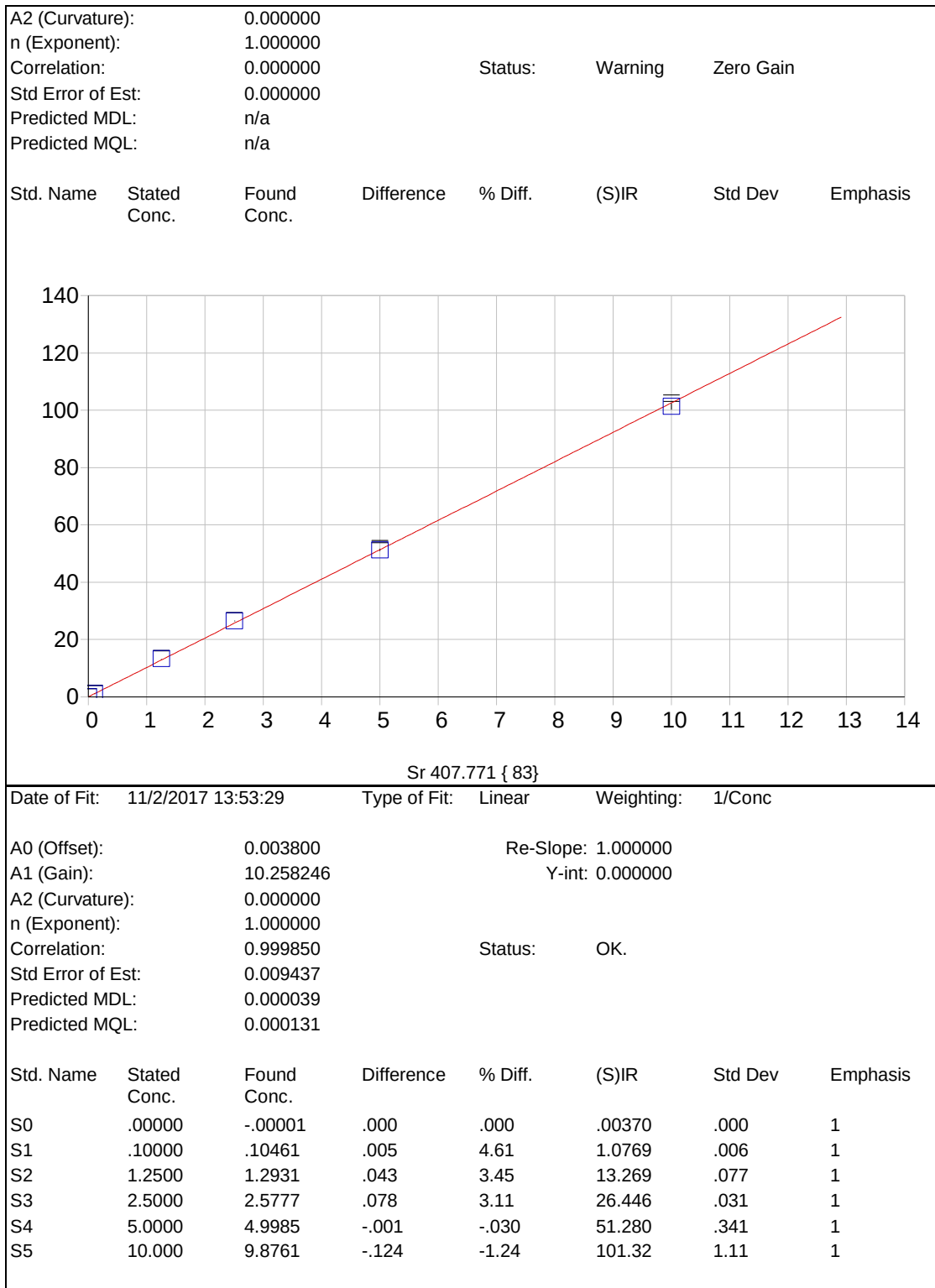
A0 (Offset): 0.000000      Re-Slope: 1.000000  
A1 (Gain): 0.000000      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.000000      Status: Warning      Zero Gain  
Std Error of Est: 0.000000  
Predicted MDL: n/a  
Predicted MQL: n/a

| 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: 11/2/2017 12:46:01      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | -.00011 | -.00019 | -.00023 | .00030 | .00036 | .00064 | -.02269 | -.00096 |
| Stddev | .00002  | .00014  | .00033  | .00025 | .00005 | .00045 | .00028  | .00006  |
| %RSD   | 21.576  | 74.811  | 142.80  | 83.383 | 14.864 | 69.264 | 1.2185  | 6.5293  |

|    |         |         |         |        |        |        |         |         |
|----|---------|---------|---------|--------|--------|--------|---------|---------|
| #1 | -.00010 | -.00035 | .00007  | .00028 | .00034 | .00112 | -.02300 | -.00089 |
| #2 | -.00010 | -.00010 | -.00058 | .00055 | .00041 | .00023 | -.02247 | -.00101 |
| #3 | -.00014 | -.00012 | -.00018 | .00006 | .00031 | .00059 | -.02261 | -.00099 |

|        |        |        |         |         |        |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|--------|---------|
| 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    | .00083 | .00200 | -.00002 | -.00012 | .00052 | .00021 | .00006 | -.00019 |
| Stddev | .00017 | .00055 | .00003  | .00017  | .00017 | .00012 | .00005 | .00016  |
| %RSD   | 21.009 | 27.583 | 125.75  | 136.55  | 32.850 | 54.863 | 94.003 | 83.167  |

|    |        |        |         |         |        |        |        |         |
|----|--------|--------|---------|---------|--------|--------|--------|---------|
| #1 | .00090 | .00230 | -.00005 | -.00031 | .00072 | .00012 | .00011 | -.00003 |
| #2 | .00095 | .00233 | .00001  | -.00008 | .00043 | .00035 | .00006 | -.00019 |
| #3 | .00063 | .00136 | -.00003 | .00002  | .00041 | .00018 | .00000 | -.00035 |

|        |         |         |         |         |        |         |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|---------|
| 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    | -.00118 | -.00139 | -.00333 | -.00006 | .00041 | .05350  | .00006  | .00140  |
| Stddev | .00010  | .00011  | .00074  | .00007  | .00022 | .00025  | .00006  | .00011  |
| %RSD   | 8.2054  | 7.6307  | 22.305  | 118.85  | 53.345 | .45986  | 100.46  | 7.8298  |

|    |         |         |         |         |        |        |         |        |
|----|---------|---------|---------|---------|--------|--------|---------|--------|
| #1 | -.00129 | -.00128 | -.00298 | .00002  | .00028 | .05371 | .00009  | .00153 |
| #2 | -.00111 | -.00139 | -.00418 | -.00010 | .00066 | .05357 | .00010  | .00135 |
| #3 | -.00114 | -.00150 | -.00283 | -.00008 | .00029 | .05323 | -.00001 | .00133 |

|        |        |         |        |        |        |        |        |  |
|--------|--------|---------|--------|--------|--------|--------|--------|--|
| 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    | .00076 | .00030  | .00243 | .00022 | .00037 | .01436 | .00370 |  |
| Stddev | .00017 | .00004  | .00172 | .00009 | .00021 | .00025 | .00030 |  |
| %RSD   | 21.845 | 11.764  | 70.582 | 39.503 | 57.173 | 1.7401 | 8.0060 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00058 | .00029 | .00441 | .00014 | .00016 | .01416 | .00379 |  |
| #2 | .00091 | .00027 | .00156 | .00031 | .00037 | .01464 | .00337 |  |
| #3 | .00078 | .00034 | .00133 | .00020 | .00058 | .01428 | .00394 |  |

Sample Name: S0      Acquired: 11/2/2017 12:46:01      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1424.7 | 2394.5 | 34292. | 10241. | 3492.6 |
| Stddev    | 6.1    | 11.6   | 72.    | 63.    | 10.1   |
| %RSD      | .42491 | .48317 | .21102 | .61896 | .28828 |
| #1        | 1418.0 | 2383.6 | 34210. | 10168. | 3482.1 |
| #2        | 1429.9 | 2393.2 | 34319. | 10282. | 3493.5 |
| #3        | 1426.3 | 2406.6 | 34348. | 10273. | 3502.2 |

Sample Name: S1      Acquired: 11/2/2017 12:50:09      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .00020 | .00135 | .00163 | .00312 | .00970 | .01476 | .78863 | .01640 |
| Stddev | .00011 | .00010 | .00024 | .00022 | .00005 | .00043 | .00294 | .00017 |
| %RSD   | 51.991 | 7.5527 | 14.873 | 7.0056 | .54461 | 2.9416 | .37315 | 1.0069 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00030 | .00145 | .00147 | .00299 | .00974 | .01438 | .79175 | .01621 |
| #2 | .00022 | .00125 | .00150 | .00300 | .00964 | .01466 | .78823 | .01653 |
| #3 | .00009 | .00134 | .00191 | .00337 | .00972 | .01523 | .78590 | .01645 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01233 | .04285 | .00147 | .04323 | .00402 | .00255 | .00471 | .00763 |
| Stddev | .00005 | .00021 | .00001 | .00029 | .00025 | .00010 | .00005 | .00003 |
| %RSD   | .43686 | .48796 | .52431 | .67263 | 6.3307 | 3.8313 | .99870 | .38722 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01238 | .04262 | .00148 | .04336 | .00414 | .00259 | .00468 | .00760 |
| #2 | .01235 | .04292 | .00146 | .04290 | .00373 | .00244 | .00469 | .00765 |
| #3 | .01227 | .04303 | .00146 | .04344 | .00419 | .00262 | .00476 | .00764 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01913 | .00312 | .03048 | .00351 | .01247 | .13668 | .00036 | .00497 |
| Stddev | .00014 | .00011 | .00063 | .00011 | .00054 | .00003 | .00004 | .00008 |
| %RSD   | .72422 | 3.5447 | 2.0560 | 3.1148 | 4.2919 | .02006 | 10.072 | 1.5207 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01927 | .00318 | .03085 | .00362 | .01286 | .13671 | .00034 | .00493 |
| #2 | .01900 | .00319 | .03083 | .00340 | .01186 | .13667 | .00040 | .00493 |
| #3 | .01912 | .00299 | .02975 | .00350 | .01269 | .13666 | .00034 | .00506 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .01063 | .00282 | .02376 | .00045 | .00015 | .07899 | 1.0769 |  |
| Stddev | .00005 | .00017 | .00014 | .00008 | .00029 | .00003 | .0062  |  |
| %RSD   | .46505 | 5.8729 | .59571 | 17.407 | 189.91 | .03817 | .57655 |  |

|    |        |        |        |        |         |        |        |  |
|----|--------|--------|--------|--------|---------|--------|--------|--|
| #1 | .01058 | .00280 | .02371 | .00038 | .00016  | .07903 | 1.0835 |  |
| #2 | .01067 | .00300 | .02392 | .00054 | .00044  | .07898 | 1.0761 |  |
| #3 | .01065 | .00267 | .02365 | .00044 | -.00014 | .07897 | 1.0712 |  |

Sample Name: S1      Acquired: 11/2/2017 12:50:09      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1447.6 | 2402.3 | 34400. | 10310. | 3454.3 |
| Stddev    | 3.3    | 9.3    | 72.    | 13.    | 5.6    |
| %RSD      | .22970 | .38736 | .20943 | .12778 | .16128 |
| #1        | 1444.3 | 2410.9 | 34479. | 10318. | 3460.2 |
| #2        | 1447.5 | 2392.4 | 34383. | 10318. | 3453.7 |
| #3        | 1451.0 | 2403.7 | 34337. | 10295. | 3449.1 |

Sample Name: S2      Acquired: 11/2/2017 12:54:17      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .04978 | .07485 | 1.2147 | .10248 | .20305 | 2.7412 | 10.266 | .42236 |
| Stddev | .00042 | .00091 | .0034  | .00075 | .00225 | .0180  | .081   | .00163 |
| %RSD   | .83734 | 1.2136 | .27885 | .73526 | 1.1086 | .65647 | .78791 | .38632 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04950 | .07461 | 1.2126 | .10162 | .20133 | 2.7500 | 10.288 | .42424 |
| #2 | .04959 | .07409 | 1.2129 | .10303 | .20223 | 2.7530 | 10.334 | .42141 |
| #3 | .05026 | .07586 | 1.2186 | .10279 | .20560 | 2.7205 | 10.177 | .42141 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.5122 | 2.5224 | .52761 | .57492 | .47634 | .89677 | 1.1241 | .49428 |
| Stddev | .0043  | .0145  | .00210 | .00144 | .00281 | .00652 | .0052  | .00289 |
| %RSD   | .28403 | .57619 | .39782 | .25113 | .59010 | .72660 | .46451 | .58488 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5097 | 2.5211 | .52550 | .57407 | .47796 | .89635 | 1.1223 | .49343 |
| #2 | 1.5098 | 2.5375 | .52762 | .57410 | .47796 | .90349 | 1.1299 | .49751 |
| #3 | 1.5172 | 2.5085 | .52970 | .57659 | .47309 | .89048 | 1.1199 | .49192 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .32556 | .09510 | .24874 | .04185 | .65713 | .69206 | .03665 | .40097 |
| Stddev | .00066 | .00029 | .00160 | .00030 | .00249 | .00325 | .00069 | .00146 |
| %RSD   | .20151 | .30442 | .64476 | .71087 | .37908 | .46947 | 1.8753 | .36451 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .32485 | .09498 | .25018 | .04160 | .65501 | .69402 | .03630 | .40121 |
| #2 | .32569 | .09543 | .24902 | .04218 | .65650 | .69384 | .03621 | .40230 |
| #3 | .32614 | .09489 | .24701 | .04177 | .65987 | .68831 | .03744 | .39940 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.2237 | .03654 | .30476 | .06125 | .37952 | 1.7142 | 13.269 |  |
| Stddev | .0104  | .00043 | .00116 | .00027 | .00313 | .0141  | .077   |  |
| %RSD   | .84709 | 1.1734 | .38002 | .44661 | .82379 | .82574 | .57988 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.2143 | .03623 | .30502 | .06098 | .37909 | 1.7206 | 13.292 |  |
| #2 | 1.2220 | .03635 | .30576 | .06124 | .38284 | 1.7240 | 13.331 |  |
| #3 | 1.2348 | .03703 | .30349 | .06153 | .37663 | 1.6979 | 13.183 |  |

Sample Name: S2      Acquired: 11/2/2017 12:54:17      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1322.9 | 2216.5 | 31813. | 10035. | 2916.5 |
| Stddev    | 6.2    | 29.2   | 118.   | 66.    | 30.0   |
| %RSD      | .46766 | 1.3168 | .37218 | .65867 | 1.0295 |
| #1        | 1327.0 | 2242.1 | 31929. | 10003. | 2944.3 |
| #2        | 1315.8 | 2222.7 | 31692. | 9989.8 | 2920.5 |
| #3        | 1326.0 | 2184.7 | 31818. | 10110. | 2884.6 |



Sample Name: S3      Acquired: 11/2/2017 12:58:09      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | .10175 | .14544 | 2.3945 | .20667 | .41374 | 5.5823 | 20.644 | .82594 |
| Stddev | .00039 | .00058 | .0066  | .00032 | .00179 | .0012  | .099   | .00719 |
| %RSD   | .38770 | .39850 | .27572 | .15566 | .43319 | .02223 | .47769 | .87023 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10135 | .14573 | 2.3917 | .20636 | .41241 | 5.5809 | 20.656 | .81827 |
| #2 | .10175 | .14477 | 2.3898 | .20664 | .41302 | 5.5831 | 20.736 | .82703 |
| #3 | .10214 | .14581 | 2.4020 | .20700 | .41578 | 5.5829 | 20.540 | .83252 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.0121 | 4.9526 | 1.0275 | 1.1465 | .94845 | 1.7510 | 2.1894 | .98938 |
| Stddev | .0060  | .0177  | .0032  | .0037  | .00185 | .0075  | .0077  | .00388 |
| %RSD   | .20025 | .35681 | .31457 | .32029 | .19504 | .42532 | .34988 | .39223 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0096 | 4.9328 | 1.0238 | 1.1443 | .95056 | 1.7442 | 2.1833 | .98777 |
| #2 | 3.0077 | 4.9666 | 1.0289 | 1.1444 | .94765 | 1.7589 | 2.1980 | .99380 |
| #3 | 3.0189 | 4.9586 | 1.0299 | 1.1507 | .94713 | 1.7499 | 2.1868 | .98656 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .64919 | .18732 | .49826 | .08268 | 1.3222 | 1.3489 | .07746 | .77247 |
| Stddev | .00262 | .00041 | .00224 | .00057 | .0059  | .0016  | .00019 | .00481 |
| %RSD   | .40332 | .21641 | .45049 | .68589 | .44713 | .11759 | .24859 | .62296 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .64761 | .18693 | .49883 | .08217 | 1.3269 | 1.3492 | .07725 | .76713 |
| #2 | .64775 | .18728 | .50016 | .08329 | 1.3156 | 1.3472 | .07763 | .77381 |
| #3 | .65221 | .18774 | .49578 | .08258 | 1.3242 | 1.3504 | .07750 | .77647 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 2.4376 | .07483 | .58517 | .12599 | .75272 | 3.4423 | 26.446 |  |
| Stddev | .0074  | .00044 | .00391 | .00039 | .00061 | .0124  | .031   |  |
| %RSD   | .30489 | .59238 | .66844 | .30658 | .08129 | .35865 | .11551 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.4327 | .07438 | .58086 | .12566 | .75251 | 3.4508 | 26.465 |  |
| #2 | 2.4340 | .07487 | .58618 | .12590 | .75341 | 3.4479 | 26.463 |  |
| #3 | 2.4462 | .07526 | .58848 | .12641 | .75224 | 3.4281 | 26.411 |  |

Sample Name: S3      Acquired: 11/2/2017 12:58:09      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1259.7 | 2113.6 | 30677. | 9925.0 | 2726.2 |
| Stddev    | 7.9    | 7.0    | 136.   | 25.5   | 9.2    |
| %RSD      | .62396 | .33254 | .44280 | .25668 | .33617 |
|           |        |        |        |        |        |
| #1        | 1251.3 | 2112.8 | 30525. | 9950.6 | 2726.6 |
| #2        | 1261.0 | 2121.0 | 30719. | 9899.6 | 2735.1 |
| #3        | 1266.8 | 2107.0 | 30787. | 9924.7 | 2716.8 |

Sample Name: S4      Acquired: 11/2/2017 13:02:01      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | .20561 | .27847 | 4.7005 | .41026 | .83252 | 11.290 | 40.419 | 1.6346 |
| Stddev | .00089 | .00113 | .0257  | .00081 | .00246 | .046   | .531   | .0070  |
| %RSD   | .43327 | .40522 | .54603 | .19724 | .29573 | .40635 | 1.3131 | .42843 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20621 | .27718 | 4.6815 | .41085 | .83366 | 11.342 | 40.262 | 1.6409 |
| #2 | .20459 | .27892 | 4.6904 | .40934 | .82969 | 11.257 | 39.985 | 1.6271 |
| #3 | .20604 | .27930 | 4.7297 | .41061 | .83420 | 11.270 | 41.011 | 1.6357 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 5.9859 | 9.7366 | 1.9951 | 2.2783 | 1.8825 | 3.3850 | 4.2346 | 1.9793 |
| Stddev | .0293  | .0990  | .0094  | .0130  | .0089  | .0267  | .0347  | .0144  |
| %RSD   | .48931 | 1.0170 | .47170 | .56853 | .47088 | .78787 | .81852 | .73002 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.9599 | 9.6361 | 1.9992 | 2.2685 | 1.8896 | 3.3574 | 4.2018 | 1.9660 |
| #2 | 5.9801 | 9.7396 | 2.0018 | 2.2734 | 1.8726 | 3.3869 | 4.2311 | 1.9773 |
| #3 | 6.0176 | 9.8341 | 1.9844 | 2.2930 | 1.8854 | 3.4107 | 4.2709 | 1.9947 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.2804 | .37995 | .99443 | .16290 | 2.6623 | 2.6898 | .16097 | 1.4770 |
| Stddev | .0070  | .00165 | .00294 | .00071 | .0084  | .0102  | .00107 | .0092  |
| %RSD   | .54927 | .43321 | .29601 | .43552 | .31543 | .37959 | .66486 | .61978 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2765 | .38177 | .99260 | .16366 | 2.6545 | 2.6987 | .15976 | 1.4818 |
| #2 | 1.2761 | .37952 | .99286 | .16279 | 2.6612 | 2.6787 | .16180 | 1.4664 |
| #3 | 1.2885 | .37856 | .99782 | .16225 | 2.6712 | 2.6921 | .16135 | 1.4827 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 4.7900 | .15323 | 1.1325 | .24966 | 1.4793 | 6.9464 | 51.280 |  |
| Stddev | .0157  | .00101 | .0076  | .00016 | .0032  | .0497  | .341   |  |
| %RSD   | .32737 | .65978 | .66670 | .06387 | .21963 | .71584 | .66562 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 4.7872 | .15208 | 1.1395 | .24975 | 1.4807 | 7.0005 | 51.111 |  |
| #2 | 4.7760 | .15398 | 1.1245 | .24948 | 1.4756 | 6.9027 | 51.673 |  |
| #3 | 4.8069 | .15364 | 1.1336 | .24976 | 1.4816 | 6.9360 | 51.056 |  |

Sample Name: S4      Acquired: 11/2/2017 13:02:01      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1207.7 | 2010.2 | 29804. | 9813.3 | 2532.0 |
| Stddev    | 6.9    | 6.4    | 79.    | 31.0   | 7.8    |
| %RSD      | .57253 | .31981 | .26584 | .31583 | .30934 |
| #1        | 1203.9 | 2006.8 | 29716. | 9802.2 | 2536.4 |
| #2        | 1215.7 | 2017.6 | 29825. | 9848.3 | 2536.6 |
| #3        | 1203.6 | 2006.2 | 29870. | 9789.4 | 2523.0 |

Sample Name: S5      Acquired: 11/2/2017 13:06:07      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .42589 | .52901 | 9.2699 | .82606 | 1.7379 | 22.918 | 80.644 | 3.3224 |
| Stddev | .00166 | .00364 | .0509  | .00334 | .0055  | .468   | 2.231  | .0877  |
| %RSD   | .38978 | .68832 | .54923 | .40407 | .31357 | 2.0420 | 2.7664 | 2.6390 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42520 | .52700 | 9.2382 | .82529 | 1.7361 | 22.379 | 78.211 | 3.2213 |
| #2 | .42469 | .52681 | 9.2429 | .82317 | 1.7336 | 23.218 | 82.593 | 3.3784 |
| #3 | .42779 | .53321 | 9.3286 | .82971 | 1.7441 | 23.157 | 81.128 | 3.3674 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 11.824 | 19.527 | 3.8813 | 4.5177 | 3.7952 | 6.5923 | 8.2839 | 3.9928 |
| Stddev | .070   | .309   | .0066  | .0205  | .0732  | .0885  | .1205  | .0626  |
| %RSD   | .58927 | 1.5823 | .16918 | .45403 | 1.9299 | 1.3426 | 1.4543 | 1.5677 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.778 | 19.171 | 3.8773 | 4.4998 | 3.7107 | 6.4902 | 8.1452 | 3.9207 |
| #2 | 11.790 | 19.727 | 3.8888 | 4.5132 | 3.8410 | 6.6470 | 8.3626 | 4.0326 |
| #3 | 11.904 | 19.683 | 3.8777 | 4.5401 | 3.8338 | 6.6397 | 8.3438 | 4.0253 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.5108 | .83431 | 2.0125 | .31930 | 5.6961 | 5.4936 | .32926 | 2.8382 |
| Stddev | .0122  | .00101 | .0350  | .00602 | .0457  | .1179  | .00340 | .0777  |
| %RSD   | .48482 | .12104 | 1.7417 | 1.8866 | .80255 | 2.1464 | 1.0320 | 2.7387 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5030 | .83454 | 1.9721 | .31244 | 5.7489 | 5.3576 | .32893 | 2.7487 |
| #2 | 2.5045 | .83518 | 2.0343 | .32374 | 5.6711 | 5.5684 | .32605 | 2.8894 |
| #3 | 2.5248 | .83320 | 2.0312 | .32170 | 5.6685 | 5.5547 | .33282 | 2.8764 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 9.5969 | .31321 | 2.2418 | .48197 | 2.9382 | 14.072 | 101.32 |  |
| Stddev | .0404  | .00270 | .0578  | .00221 | .0552  | .275   | 1.11   |  |
| %RSD   | .42144 | .86257 | 2.5786 | .45799 | 1.8800 | 1.9568 | 1.0944 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 9.5752 | .31216 | 2.1751 | .48081 | 2.8745 | 13.755 | 100.05 |  |
| #2 | 9.5720 | .31118 | 2.2777 | .48059 | 2.9714 | 14.254 | 102.10 |  |
| #3 | 9.6436 | .31627 | 2.2725 | .48452 | 2.9688 | 14.208 | 101.80 |  |

Sample Name: S5      Acquired: 11/2/2017 13:06:07      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1075.5 | 1842.8 | 28078. | 9478.3 | 2305.5 |
| Stddev    | 7.2    | 4.5    | 183.   | 195.6  | 5.9    |
| %RSD      | .66894 | .24204 | .65340 | 2.0633 | .25794 |
| #1        | 1067.3 | 1844.3 | 27867. | 9703.6 | 2308.2 |
| #2        | 1078.1 | 1846.3 | 28177. | 9352.8 | 2309.6 |
| #3        | 1081.0 | 1837.7 | 28192. | 9378.4 | 2298.7 |

Sample Name: S6      Acquired: 11/2/2017 13:10:12      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | 95.452 | 48.612 | 26.151 | 9.8146 | 8.8915 |
| Stddev | .454   | .320   | .069   | .0259  | .0241  |
| %RSD   | .47544 | .65868 | .26309 | .26368 | .27087 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 95.951 | 48.423 | 26.095 | 9.7905 | 8.9132 |
| #2 | 95.064 | 48.432 | 26.131 | 9.8112 | 8.8957 |
| #3 | 95.341 | 48.982 | 26.228 | 9.8419 | 8.8656 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 8889.9 |
| Stddev    | 27.3   |
| %RSD      | .30667 |

|    |        |
|----|--------|
| #1 | 8858.6 |
| #2 | 8902.7 |
| #3 | 8908.4 |

Sample Name: ICV      Acquired: 11/2/2017 13:28:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |          |          |          |            |
|--------|----------|------------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908     | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm        |
| Avg    | .9629600 | F 1.165940 | 1.029813 | 1.004982 | .9521629 | F 1.726137 |
| Stddev | .0075028 | .007303    | .001842  | .006150  | .0019823 | .013287    |
| %RSD   | .7791427 | .6263392   | .1788317 | .6119910 | .2081839 | .7697567   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9673328 | 1.165426 | 1.029707 | 1.009887 | .9540380 | 1.718427 |
| #2 | .9542966 | 1.158907 | 1.028027 | .998082  | .9500885 | 1.741480 |
| #3 | .9672505 | 1.173486 | 1.031705 | 1.006978 | .9523621 | 1.718506 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .5180696 | .5058183 | .4862710 | F 8.338877 | .5272278 | .4920142 |
| Stddev | .0023125 | .0010040 | .0031548 | .054357    | .0011105 | .0016165 |
| %RSD   | .4463735 | .1984816 | .6487742 | .6518559   | .2106359 | .3285536 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5206328 | .5054171 | .4833224 | 8.358195 | .5277693 | .4902259 |
| #2 | .5161397 | .5050769 | .4858928 | 8.277499 | .5259504 | .4924449 |
| #3 | .5174363 | .5069608 | .4895979 | 8.380936 | .5279638 | .4933717 |

|        |          |            |          |            |          |            |
|--------|----------|------------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm        |
| Avg    | .5141881 | F 4.227397 | .5437214 | F 4.691847 | .5066373 | F .5999218 |
| Stddev | .0031777 | .027954    | .0027869 | .034120    | .0015440 | .0007399   |
| %RSD   | .6180077 | .6612564   | .5125601 | .7272093   | .3047449 | .1233344   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5105490 | 4.241836 | .5452411 | 4.653862 | .5054274 | .5994014 |
| #2 | .5164146 | 4.195176 | .5405050 | 4.719894 | .5061082 | .5995951 |
| #3 | .5156008 | 4.245178 | .5454180 | 4.701786 | .5083762 | .6007688 |

|        |            |          |          |          |            |            |
|--------|------------|----------|----------|----------|------------|------------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | F 7.225103 | .5442832 | 1.120314 | 9.180000 | F .0012268 | F -.005679 |
| Stddev | .089735    | .0028769 | .018709  | .073602  | .0005142   | .000791    |
| %RSD   | 1.241990   | .5285680 | 1.670002 | .8017699 | 41.91114   | 13.92633   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.324073 | .5425952 | 1.098840 | 9.141663 | .0006617 | -.005032 |
| #2 | 7.149045 | .5426493 | 1.128998 | 9.133480 | .0013517 | -.006560 |
| #3 | 7.202191 | .5476050 | 1.133103 | 9.264858 | .0016670 | -.005444 |



Sample Name: ICV      Acquired: 11/2/2017 13:28:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |                                                                               |                                            |                                            |                                                                               |                                            |                                            |
|--------|-------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|
| Elem   | Mo2020                                                                        | S_1820                                     | Si2516                                     | Sn1899                                                                        | Ti3361                                     | Li6707                                     |
| Units  | ppm                                                                           | ppm                                        | ppm                                        | ppm                                                                           | ppm                                        | ppm                                        |
| Avg    | <span style="color: red;">F</span> <span style="color: blue;">-.000853</span> | <span style="color: blue;">-.002465</span> | <span style="color: blue;">-.002454</span> | <span style="color: red;">F</span> <span style="color: blue;">-.002064</span> | <span style="color: blue;">-.001633</span> | <span style="color: blue;">-.000963</span> |
| Stddev | .000098                                                                       | .002214                                    | .001137                                    | .001725                                                                       | .000323                                    | .000684                                    |
| %RSD   | 11.49735                                                                      | 89.81782                                   | 46.35625                                   | 83.58140                                                                      | 19.78486                                   | 71.05187                                   |

|    |                                            |                                            |                                            |                                            |                                            |                                            |
|----|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
| #1 | <span style="color: blue;">-.000957</span> | <span style="color: blue;">-.004519</span> | <span style="color: blue;">-.003755</span> | <span style="color: blue;">-.002749</span> | <span style="color: blue;">-.001267</span> | <span style="color: blue;">-.001684</span> |
| #2 | <span style="color: blue;">-.000840</span> | <span style="color: blue;">-.000120</span> | <span style="color: blue;">-.001955</span> | <span style="color: blue;">-.003341</span> | <span style="color: blue;">-.001756</span> | <span style="color: blue;">-.000881</span> |
| #3 | <span style="color: blue;">-.000762</span> | <span style="color: blue;">-.002757</span> | <span style="color: blue;">-.001650</span> | <span style="color: blue;">-.000102</span> | <span style="color: blue;">-.001877</span> | <span style="color: blue;">-.000323</span> |

|        |                                            |
|--------|--------------------------------------------|
| Elem   | Sr4077                                     |
| Units  | ppm                                        |
| Avg    | <span style="color: blue;">.0115123</span> |
| Stddev | .0000634                                   |
| %RSD   | .5505359                                   |

|    |                                            |
|----|--------------------------------------------|
| #1 | <span style="color: blue;">.0115798</span> |
| #2 | <span style="color: blue;">.0115029</span> |
| #3 | <span style="color: blue;">.0114541</span> |

|           |                                             |                                             |                                             |                                             |                                             |
|-----------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Int. Std. | Y_2243                                      | Y_2243                                      | Y_3600                                      | Y_3710                                      | In2306                                      |
| Units     | Cts/S                                       | Cts/S                                       | Cts/S                                       | Cts/S                                       | Cts/S                                       |
| Avg       | <span style="color: green;">1370.571</span> | <span style="color: green;">2321.878</span> | <span style="color: green;">32977.39</span> | <span style="color: green;">10140.77</span> | <span style="color: green;">3275.139</span> |
| Stddev    | 3.383                                       | 15.272                                      | 95.40                                       | 34.65                                       | 12.566                                      |
| %RSD      | .2468588                                    | .6577464                                    | .2892924                                    | .3416464                                    | .3836860                                    |

|    |                                             |                                             |                                             |                                             |                                             |
|----|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| #1 | <span style="color: green;">1368.509</span> | <span style="color: green;">2304.337</span> | <span style="color: green;">32870.89</span> | <span style="color: green;">10106.91</span> | <span style="color: green;">3260.686</span> |
| #2 | <span style="color: green;">1368.728</span> | <span style="color: green;">2329.083</span> | <span style="color: green;">33006.23</span> | <span style="color: green;">10176.15</span> | <span style="color: green;">3281.254</span> |
| #3 | <span style="color: green;">1374.475</span> | <span style="color: green;">2332.216</span> | <span style="color: green;">33055.04</span> | <span style="color: green;">10139.25</span> | <span style="color: green;">3283.478</span> |

Sample Name: ICB      Acquired: 11/2/2017 13:32:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      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    | -.000288 | .0009706 | .0004263 | .0006119 | -.000119 | .0009826 | -.000077 |
| Stddev | .003099  | .0006395 | .0004433 | .0008099 | .002073  | .0031959 | .000169  |
| %RSD   | 1075.318 | 65.89050 | 103.9841 | 132.3470 | 1739.161 | 325.2475 | 220.4864 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003693 | .0002811 | .0002051 | .0007531 | .001724  | .0042435 | -.000252 |
| #2 | .000459  | .0010863 | .0009367 | -.000259 | .000282  | -.002144 | -.000063 |
| #3 | .002369  | .0015444 | .0001371 | .001342  | -.002363 | .000848  | .000085  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000057 | -.000163 | .0065344 | .0004742 | -.000042 | .0011981 | -.000475 |
| Stddev | .000049  | .000050  | .0017026 | .0002372 | .000212  | .0015086 | .001561  |
| %RSD   | 85.68137 | 30.98437 | 26.05632 | 50.01269 | 500.3322 | 125.9185 | 328.8591 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000018 | -.000105 | .0067491 | .0006581 | -.000286 | .0020274 | -.001960 |
| #2 | -.000041 | -.000198 | .0047347 | .0005581 | .000061  | .0021100 | -.000616 |
| #3 | -.000113 | -.000185 | .0081196 | .0002065 | .000098  | -.000543 | .001153  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000077 | .0110300 | .0003698 | .0002686 | .0430896 | -.001794 | -.002146 |
| Stddev | .0001702 | .0172029 | .0001573 | .0001532 | .0239237 | .001198  | .002692  |
| %RSD   | 2211.749 | 155.9651 | 42.54787 | 57.05308 | 55.52083 | 66.79270 | 125.4766 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000128 | .0171168 | .0005124 | .0001117 | .0231415 | -.000447 | -.003107 |
| #2 | .0001753 | -.008389 | .0003960 | .0004179 | .0696135 | -.002192 | .000895  |
| #3 | -.000165 | .024362  | .0002010 | .0002763 | .0365138 | -.002743 | -.004226 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0265552 | .0003454 | .0001158 | -.000395 | .0033678 | -.004609 | -.001015 |
| Stddev | .0694519 | .0021869 | .0004516 | .000230  | .0037272 | .001104  | .000973  |
| %RSD   | 261.5376 | 633.2369 | 390.0352 | 58.25566 | 110.6743 | 23.94923 | 95.88681 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.017955 | .0026396 | .0004456 | -.000604 | .0058102 | -.003961 | -.000815 |
| #2 | -.008963 | -.001716 | .0003007 | -.000434 | .0052154 | -.005883 | -.002072 |
| #3 | .106583  | .000112  | -.000399 | -.000148 | -.000922 | -.003982 | -.000157 |

Sample Name: ICB      Acquired: 11/2/2017 13:32:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000708 | -.001712 | -.000310 |
| Stddev | .000339  | .000232  | .000031  |
| %RSD   | 47.86857 | 13.52462 | 9.870385 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000383 | -.001831 | -.000295 |
| #2 | -.001059 | -.001445 | -.000346 |
| #3 | -.000681 | -.001860 | -.000291 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1442.617 | 2457.087 | 34487.20 | 10229.84 | 3537.115 |
| Stddev    | 11.828   | 14.481   | 165.65   | 94.99    | 17.159   |
| %RSD      | .8198821 | .5893591 | .4803270 | .9285475 | .4851133 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1430.276 | 2443.841 | 34339.44 | 10125.53 | 3524.877 |
| #2 | 1443.720 | 2472.548 | 34455.89 | 10311.35 | 3556.729 |
| #3 | 1453.854 | 2454.871 | 34666.27 | 10252.65 | 3529.740 |

Sample Name: ICSA      Acquired: 11/2/2017 13:36:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.007354 | -.007806 | -.003898 | -.008105 | .0027969 | F 179.2246 |
| Stddev | .006325  | .000751  | .000750  | .001850  | .0013772 | 1.1774     |
| %RSD   | 86.00826 | 9.616535 | 19.23677 | 22.82812 | 49.24168 | .6569469   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.003272 | -.008001 | -.004550 | -.005978 | .0033848 | 180.5218 |
| #2 | -.004150 | -.008440 | -.004066 | -.008999 | .0037827 | 178.9283 |
| #3 | -.014640 | -.006977 | -.003079 | -.009339 | .0012233 | 178.2236 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061780 | .0009384 | -.000450 | 200.3706 | .0560475 | .0012697 |
| Stddev | .0001670 | .0000743 | .000030  | 2.2041   | .0005669 | .0001794 |
| %RSD   | 2.702675 | 7.919518 | 6.720213 | 1.100033 | 1.011533 | 14.13083 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0059873 | .0010036 | -.000415 | 197.8280 | .0558839 | .0010625 |
| #2 | .0062980 | .0008575 | -.000471 | 201.5448 | .0566782 | .0013742 |
| #3 | .0062486 | .0009542 | -.000464 | 201.7391 | .0555803 | .0013724 |

|        |          |            |          |          |          |            |
|--------|----------|------------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.003830 | F 79.26254 | .0102548 | 205.1130 | .0054865 | F -.012286 |
| Stddev | .001171  | .53754     | .0004667 | .4792    | .0021426 | .000533    |
| %RSD   | 30.57375 | .6781781   | 4.550934 | .2336307 | 39.05280 | 4.340441   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002955 | 78.65005 | .0099010 | 204.6022 | .0041140 | -.012080 |
| #2 | -.005160 | 79.48163 | .0107837 | 205.1841 | .0043900 | -.012892 |
| #3 | -.003374 | 79.65594 | .0100796 | 205.5527 | .0079555 | -.011887 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .2110523 | .0024337 | -.042200 | .0459706 | .0049990 | F -.110018 |
| Stddev | .0317856 | .0030613 | .003845  | .0049811 | .0012603 | .002053    |
| %RSD   | 15.06052 | 125.7881 | 9.112038 | 10.83547 | 25.21179 | 1.866295   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2337164 | .0009740 | -.045325 | .0431990 | .0052998 | -.112285 |
| #2 | .1747187 | .0059516 | -.043369 | .0517210 | .0060818 | -.109487 |
| #3 | .2247217 | .0003755 | -.037906 | .0429917 | .0036155 | -.108283 |

Sample Name: ICSA      Acquired: 11/2/2017 13:36:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013470 | .0272106 | -.006281 | .0045660 | .0006131 | .0016050 |
| Stddev | .0004292 | .0048936 | .000678  | .0043895 | .0002280 | .0004833 |
| %RSD   | 31.86096 | 17.98423 | 10.78817 | 96.13482 | 37.18415 | 30.11027 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0010742 | .0230760 | -.006946 | .0008667 | .0003697 | .0014424 |
| #2 | .0011252 | .0259423 | -.005591 | .0094163 | .0006479 | .0012240 |
| #3 | .0018417 | .0326135 | -.006307 | .0034149 | .0008216 | .0021486 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1000838 |
| Stddev | .0005366 |
| %RSD   | .5361518 |

|    |          |
|----|----------|
| #1 | .1006830 |
| #2 | .0999210 |
| #3 | .0996475 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1270.272 | 2160.641 | 30316.01 | 9751.981 | 2701.355 |
| Stddev    | 9.337    | 6.837    | 221.22   | 141.178  | 9.244    |
| %RSD      | .7350489 | .3164226 | .7297023 | 1.447688 | .3421863 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1259.944 | 2163.465 | 30142.79 | 9590.852 | 2696.972 |
| #2 | 1272.757 | 2165.614 | 30240.02 | 9811.113 | 2711.975 |
| #3 | 1278.116 | 2152.845 | 30565.20 | 9853.979 | 2695.118 |

Sample Name: ICSAB      Acquired: 11/2/2017 13:40:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0938196 | .1162029 | .0525262 | .0433907 | .5864749 | F 177.7584 |
| Stddev | .0038726 | .0034275 | .0026156 | .0027248 | .0033142 | .5777      |
| %RSD   | 4.127713 | 2.949558 | 4.979529 | 6.279725 | .5651062 | .3249793   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0895064 | .1161856 | .0495073 | .0447590 | .5841723 | 177.1479 |
| #2 | .0969980 | .1127841 | .0541111 | .0451602 | .5849790 | 178.2964 |
| #3 | .0949544 | .1196389 | .0539602 | .0402529 | .5902734 | 177.8307 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5380720 | .5058555 | 1.018620 | 199.2860 | .5725274 | .5112504 |
| Stddev | .0009154 | .0035081 | .006037  | 1.4458   | .0004565 | .0020529 |
| %RSD   | .1701285 | .6934914 | .5926230 | .7254835 | .0797336 | .4015353 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5370540 | .5020971 | 1.011959 | 197.6254 | .5730520 | .5098874 |
| #2 | .5388275 | .5090433 | 1.020170 | 200.2646 | .5723097 | .5102523 |
| #3 | .5383345 | .5064260 | 1.023730 | 199.9682 | .5722205 | .5136114 |

|        |          |            |          |          |          |            |
|--------|----------|------------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm        |
| Avg    | .5091472 | F 79.15737 | .5420845 | 203.4921 | 1.032730 | F .2756272 |
| Stddev | .0006620 | .45639     | .0045121 | .9805    | .003933  | .0010216   |
| %RSD   | .1300170 | .5765663   | .8323576 | .4818153 | .3807880 | .3706576   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5092612 | 78.63988 | .5370517 | 202.3765 | 1.028904 | .2746024 |
| #2 | .5097447 | 79.32982 | .5434339 | 203.8828 | 1.032526 | .2756336 |
| #3 | .5084356 | 79.50241 | .5457680 | 204.2170 | 1.036761 | .2766457 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .2789415 | .5332036 | 1.136433 | -.232049 | .1918202 | F .2422472 |
| Stddev | .0473930 | .0020051 | .018125  | .020665  | .0044740 | .0017006   |
| %RSD   | 16.99029 | .3760390 | 1.594871 | 8.905353 | 2.332394 | .7020054   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3265547 | .5308940 | 1.115782 | -.242147 | .1895957 | .2406532 |
| #2 | .2317718 | .5342195 | 1.143817 | -.208277 | .1888944 | .2440373 |
| #3 | .2784981 | .5344974 | 1.149701 | -.245724 | .1969704 | .2420510 |

Sample Name: ICSAB      Acquired: 11/2/2017 13:40:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .3261346 | .2000083 | .2958412 | F .3452607 | .3349476 | .1703193 |
| Stddev | .0010087   | .0062943 | .0042574 | .0052613   | .0014636 | .0004143 |
| %RSD   | .3092954   | 3.147046 | 1.439092 | 1.523874   | .4369540 | .2432720 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3250967 | .2055041 | .2925611 | .3484970 | .3346840 | .1702032 |
| #2 | .3261958 | .1931414 | .3006525 | .3480953 | .3365250 | .1707793 |
| #3 | .3271113 | .2013794 | .2943101 | .3391899 | .3336337 | .1699753 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2865294 |
| Stddev | .0009912 |
| %RSD   | .3459514 |

|    |          |
|----|----------|
| #1 | .2858298 |
| #2 | .2876637 |
| #3 | .2860947 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1243.966 | 2101.439 | 29862.98 | 9839.810 | 2651.126 |
| Stddev    | 2.383    | 3.932    | 125.86   | 43.805   | 6.478    |
| %RSD      | .1915642 | .1870933 | .4214724 | .4451854 | .2443466 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1246.066 | 2097.599 | 29825.41 | 9859.656 | 2646.315 |
| #2 | 1244.456 | 2105.456 | 30003.35 | 9789.595 | 2658.492 |
| #3 | 1241.376 | 2101.262 | 29760.17 | 9870.181 | 2648.571 |

Sample Name: CCV026      Acquired: 11/2/2017 13:44:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV026      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.155893 | 4.832037 | 24.36251 | 4.875598 | 4.904379 | F 287.5723 |
| Stddev | .015495  | .031055  | .08371   | .003436  | .004536  | 1.1097     |
| %RSD   | .3005328 | .6426947 | .3435958 | .0704765 | .0924983 | .3858736   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.138817 | 4.809774 | 24.30361 | 4.872928 | 4.907723 | 288.4182 |
| #2 | 5.169059 | 4.818823 | 24.32559 | 4.879474 | 4.899215 | 287.9829 |
| #3 | 5.159802 | 4.867514 | 24.45833 | 4.874391 | 4.906199 | 286.3159 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.932036 | .5002899 | 2.512749 | F 314.7500 | 15.26661 | 2.493388 |
| Stddev | .035978  | .0017473 | .007926  | .5162      | .00922   | .008582  |
| %RSD   | .3622404 | .3492545 | .3154149 | .1639946   | .0604039 | .3441714 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.931617 | .4983898 | 2.505193 | 314.2217 | 15.25997 | 2.485801 |
| #2 | 9.896270 | .5018274 | 2.512053 | 315.2531 | 15.27714 | 2.491661 |
| #3 | 9.968222 | .5006526 | 2.520999 | 314.7754 | 15.26273 | 2.502701 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.95820 | F 305.0753 | 14.81627 | F 320.0295 | 2.483261 | 1.227945 |
| Stddev | .02474   | .6335      | .02594   | .9994      | .004569  | .001194  |
| %RSD   | .1653701 | .2076520   | .1750715 | .3122726   | .1839767 | .0972188 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.98672 | 304.4488 | 14.78675 | 318.8938 | 2.481751 | 1.227030 |
| #2 | 14.94260 | 305.7156 | 14.82667 | 320.7745 | 2.479639 | 1.229296 |
| #3 | 14.94528 | 305.0614 | 14.83540 | 320.4201 | 2.488393 | 1.227509 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 284.9959 | 2.482681 | 15.39055 | 150.3920 | 5.124701 | 4.590252 |
| Stddev | .7154      | .005719  | .19889   | .2050    | .031396  | .009198  |
| %RSD   | .2510111   | .2303552 | 1.292310 | .1363220 | .6126449 | .2003902 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 284.1699 | 2.485302 | 15.55168 | 150.6109 | 5.123192 | 4.579663 |
| #2 | 285.4015 | 2.476121 | 15.16826 | 150.2044 | 5.094087 | 4.596269 |
| #3 | 285.4162 | 2.486620 | 15.45172 | 150.3608 | 5.156825 | 4.594824 |



Sample Name: CCV026      Acquired: 11/2/2017 13:44:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV026      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.840253 | 5.106561 | 4.898121 | 5.066368 | 4.966644 | 5.006273 |
| Stddev | .004768  | .041538  | .006364  | .007243  | .007925  | .004313  |
| %RSD   | .0985134 | .8134278 | .1299238 | .1429576 | .1595580 | .0861424 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.835153 | 5.095493 | 4.898354 | 5.066801 | 4.972511 | 5.011193 |
| #2 | 4.844601 | 5.071678 | 4.904364 | 5.073385 | 4.957629 | 5.003146 |
| #3 | 4.841003 | 5.152512 | 4.891643 | 5.058918 | 4.969793 | 5.004480 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.021191 |
| Stddev | .060723  |
| %RSD   | 1.209338 |

|    |          |
|----|----------|
| #1 | 5.088564 |
| #2 | 5.004327 |
| #3 | 4.970683 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1161.041 | 1945.269 | 28514.56 | 9654.426 | 2351.924 |
| Stddev    | 10.087   | 3.545    | 39.40    | 34.326   | 2.071    |
| %RSD      | .8688222 | .1822252 | .1381735 | .3555516 | .0880452 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1149.615 | 1941.884 | 28470.32 | 9627.046 | 2350.571 |
| #2 | 1168.715 | 1944.968 | 28545.89 | 9643.296 | 2354.308 |
| #3 | 1164.793 | 1948.955 | 28527.46 | 9692.936 | 2350.893 |

Sample Name: CCB026      Acquired: 11/2/2017 13:48:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB026      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000158 | .0003152 | -.000750 | .0000543 | -.000524 | .0119553 | .0005657 |
| Stddev | .001507  | .0009212 | .001257  | .0019612 | .000284  | .0034978 | .0002595 |
| %RSD   | 954.0907 | 292.2284 | 167.5090 | 3614.012 | 54.26447 | 29.25754 | 45.86564 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000398  | .0009608 | -.001649 | .0017067 | -.000662 | .0152812 | .0005931 |
| #2 | -.001865 | .0007245 | .000686  | .0005690 | -.000197 | .0122770 | .0008104 |
| #3 | .000992  | -.000740 | -.001288 | -.002113 | -.000712 | .0083077 | .0002936 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000046 | -.000140 | .0197730 | .0006916 | .0000349 | .0012870 | .0174202 |
| Stddev | .000056  | .000072  | .0117952 | .0003323 | .0001172 | .0016847 | .0104668 |
| %RSD   | 123.3594 | 51.47230 | 59.65313 | 48.05219 | 335.9134 | 130.8985 | 60.08453 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000055 | -.000220 | .0333865 | .0005763 | -.000084 | .0002321 | .0290502 |
| #2 | .000015  | -.000081 | .0126046 | .0010662 | .000151  | .0032299 | .0144533 |
| #3 | -.000096 | -.000119 | .0133279 | .0004323 | .000038  | .0003990 | .0087571 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004395 | .0345243 | -.000055 | -.000047 | .0334894 | .0007166 | -.001818 |
| Stddev | .0001184 | .0101894 | .000241  | .000467  | .0572966 | .0017053 | .000312  |
| %RSD   | 26.93832 | 29.51376 | 442.1627 | 991.5967 | 171.0888 | 237.9553 | 17.16799 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005662 | .0313108 | -.000016 | -.000556 | -.017451 | .0026007 | -.002131 |
| #2 | .0003316 | .0459330 | -.000313 | .000054  | .095521  | -.000721 | -.001815 |
| #3 | .0004209 | .0263290 | .000166  | .000361  | .022399  | .000270  | -.001507 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1099303 | .0011272 | .0034730 | .0004928 | -.000932 | -.004474 | .0004237 |
| Stddev | .0299765 | .0004463 | .0004353 | .0003278 | .001008  | .000748  | .0009094 |
| %RSD   | 27.26860 | 39.59170 | 12.53334 | 66.52053 | 108.1397 | 16.72790 | 214.6254 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0930729 | .0015509 | .0029861 | .0008025 | -.002096 | -.004692 | .0001357 |
| #2 | .0921778 | .0006614 | .0036083 | .0005263 | -.000394 | -.005089 | -.000307 |
| #3 | .1445403 | .0011694 | .0038246 | .0001495 | -.000307 | -.003640 | .001442  |

Sample Name: CCB026      Acquired: 11/2/2017 13:48:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB026      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0004153 | .0007891 | -.000087 |
| Stddev | .0002042 | .0004404 | .000139  |
| %RSD   | 49.17145 | 55.81155 | 160.0698 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0004390 | .0012272 | .000060  |
| #2 | .0006066 | .0007936 | -.000103 |
| #3 | .0002003 | .0003464 | -.000216 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1445.563 | 2468.225 | 34320.20 | 10126.88 | 3538.072 |
| Stddev    | 1.812    | 6.878    | 85.07    | 29.86    | 8.078    |
| %RSD      | .1253643 | .2786609 | .2478571 | .2948870 | .2283209 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1447.514 | 2462.721 | 34285.79 | 10121.00 | 3530.424 |
| #2 | 1445.244 | 2475.935 | 34257.73 | 10159.25 | 3546.521 |
| #3 | 1443.932 | 2466.018 | 34417.08 | 10100.40 | 3537.273 |

Sample Name: I6046-16      Acquired: 11/2/2017 14:01:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0144358 | -.002467 | .0605673 | -.000516 | .0016267 | 31.08717 | .1587805 |
| Stddev | .0034328 | .003960  | .0005496 | .000581  | .0016511 | .08203   | .0008742 |
| %RSD   | 23.77940 | 160.4889 | .9074284 | 112.5565 | 101.5027 | .2638782 | .5505783 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0183956 | .001472  | .0607565 | .000139  | .0008834 | 31.06386 | .1593334 |
| #2 | .0126095 | -.006447 | .0599481 | -.000720 | .0004779 | 31.17834 | .1592355 |
| #3 | .0123023 | -.002426 | .0609973 | -.000968 | .0035188 | 31.01932 | .1577726 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021681 | -.000398 | 3.639109 | .0662712 | .0081600 | .0224228 | 45.16229 |
| Stddev | .0000299 | .000118  | .032374  | .0010503 | .0000591 | .0007074 | .15946   |
| %RSD   | 1.378248 | 29.52599 | .8896157 | 1.584799 | .7242244 | 3.154722 | .3530731 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021970 | -.000265 | 3.608035 | .0651299 | .0082059 | .0228408 | 45.06277 |
| #2 | .0021700 | -.000486 | 3.672643 | .0671970 | .0080933 | .0228215 | 45.34620 |
| #3 | .0021373 | -.000445 | 3.636650 | .0664867 | .0081808 | .0216060 | 45.07789 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1695078 | 1.846345 | .0224056 | -.006276 | .1904154 | .1022510 | .0442029 |
| Stddev | .0007833 | .034783  | .0004396 | .000247  | .0378288 | .0020614 | .0031815 |
| %RSD   | .4621215 | 1.883894 | 1.961908 | 3.938192 | 19.86646 | 2.016051 | 7.197416 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1687424 | 1.807439 | .0221832 | -.006448 | .2340859 | .1011239 | .0477863 |
| #2 | .1703079 | 1.874436 | .0229120 | -.006387 | .1694057 | .1009989 | .0431120 |
| #3 | .1694731 | 1.857160 | .0221218 | -.005993 | .1677546 | .1046302 | .0417104 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.661720 | 1.503866 | -.056312 | .0025281 | .1677907 | 6.664698 | .0037961 |
| Stddev | .010221  | .004401  | .000696  | .0001681 | .0016615 | .029341  | .0016316 |
| %RSD   | 1.544603 | .2926678 | 1.236874 | 6.647935 | .9902376 | .4402484 | 42.98099 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.650196 | 1.499137 | -.055876 | .0023727 | .1661064 | 6.648587 | .0053933 |
| #2 | -.665275 | 1.507843 | -.055944 | .0025051 | .1678373 | 6.698565 | .0038628 |
| #3 | -.669689 | 1.504617 | -.057115 | .0027065 | .1694284 | 6.646942 | .0021322 |

Sample Name: I6046-16      Acquired: 11/2/2017 14:01:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6281673 | .0093451 | .0295901 |
| Stddev | .0019959 | .0003776 | .0000375 |
| %RSD   | .3177281 | 4.040666 | .1268186 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6271446 | .0093130 | .0296334 |
| #2 | .6268901 | .0089846 | .0295689 |
| #3 | .6304673 | .0097378 | .0295679 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1498.495 | 2518.374 | 35899.18 | 11019.74 | 3293.904 |
| Stddev    | 3.812    | 8.903    | 147.65   | 43.69    | 7.126    |
| %RSD      | .2543890 | .3535253 | .4112888 | .3964938 | .2163497 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1501.345 | 2528.631 | 35730.22 | 11036.02 | 3300.255 |
| #2 | 1499.975 | 2512.638 | 35963.91 | 10970.25 | 3295.259 |
| #3 | 1494.165 | 2513.854 | 36003.40 | 11052.96 | 3286.197 |

Sample Name: I6046-18      Acquired: 11/2/2017 14:05:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E51      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0788569 | -.001300 | .0488622 | -.001298 | .0005491 | 39.39131 | .1125166 |
| Stddev | .0012375 | .001425  | .0013171 | .001321  | .0017848 | .05914   | .0003051 |
| %RSD   | 1.569247 | 109.6915 | 2.695579 | 101.7666 | 325.0526 | .1501316 | .2711703 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0800066 | -.000710 | .0474218 | -.001342 | -.001510 | 39.45220 | .1121948 |
| #2 | .0790168 | -.000263 | .0491597 | .000044  | .001505  | 39.33410 | .1128017 |
| #3 | .0775472 | -.002925 | .0500051 | -.002597 | .001652  | 39.38763 | .1125531 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017024 | -.000701 | 1.126817 | .0824805 | .0073294 | .0252009 | 59.44888 |
| Stddev | .0000816 | .000058  | .003230  | .0007267 | .0001522 | .0014669 | .20265   |
| %RSD   | 4.790616 | 8.237400 | .2866660 | .8810762 | 2.077258 | 5.820664 | .3408882 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017276 | -.000706 | 1.124285 | .0827674 | .0071810 | .0242239 | 59.38933 |
| #2 | .0017685 | -.000757 | 1.125710 | .0830200 | .0074852 | .0268876 | 59.28268 |
| #3 | .0016113 | -.000641 | 1.130455 | .0816541 | .0073219 | .0244911 | 59.67464 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1084034 | .8352753 | .0211100 | -.007604 | .1437323 | .1692431 | -.009274 |
| Stddev | .0004411 | .0111289 | .0002374 | .000342  | .0116053 | .0009716 | .002627  |
| %RSD   | .4068606 | 1.332362 | 1.124553 | 4.500936 | 8.074221 | .5740875 | 28.33108 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1088811 | .8457423 | .0208730 | -.007487 | .1345858 | .1703648 | -.010243 |
| #2 | .1083175 | .8235855 | .0211092 | -.007336 | .1567872 | .1687017 | -.011279 |
| #3 | .1080117 | .8364982 | .0213478 | -.007990 | .1398238 | .1686628 | -.006299 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.713213 | .7621517 | -.076329 | .0025582 | .2150506 | 5.679807 | .0047795 |
| Stddev | .050629  | .0067400 | .000362  | .0001774 | .0038597 | .032078  | .0032401 |
| %RSD   | 7.098688 | .8843383 | .4749154 | 6.935400 | 1.794786 | .5647810 | 67.79134 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.739394 | .7641675 | -.075954 | .0023542 | .2106033 | 5.703183 | .0012683 |
| #2 | -.745391 | .7676537 | -.076356 | .0026766 | .2175261 | 5.643235 | .0076540 |
| #3 | -.654855 | .7546338 | -.076677 | .0026437 | .2170223 | 5.693002 | .0054163 |

Sample Name: I6046-18      Acquired: 11/2/2017 14:05:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E51      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5050189 | .0089643 | .0159117 |
| Stddev | .0026653 | .0002436 | .0000609 |
| %RSD   | .5277684 | 2.717822 | .3826132 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5080837 | .0086891 | .0159586 |
| #2 | .5037298 | .0090518 | .0159336 |
| #3 | .5032432 | .0091522 | .0158429 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1394.290 | 2367.431 | 33837.58 | 10450.79 | 3258.798 |
| Stddev    | 6.658    | 13.969   | 79.10    | 51.39    | 13.816   |
| %RSD      | .4775327 | .5900683 | .2337732 | .4917460 | .4239695 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1386.983 | 2353.050 | 33770.42 | 10393.64 | 3246.260 |
| #2 | 1400.015 | 2380.949 | 33817.56 | 10493.20 | 3273.610 |
| #3 | 1395.871 | 2368.294 | 33924.77 | 10465.54 | 3256.525 |

Sample Name: I6046-19      Acquired: 11/2/2017 14:09:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E52      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0093060 | -.000618 | .1036981 | -.001096 | .0025057 | 70.79113 | .1309287 |
| Stddev | .0029861 | .004043  | .0024351 | .001846  | .0007442 | .24874   | .0002586 |
| %RSD   | 32.08818 | 654.2641 | 2.348282 | 168.5061 | 29.69990 | .3513745 | .1975290 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0122871 | -.003721 | .1044418 | .000202  | .0024294 | 71.07603 | .1308723 |
| #2 | .0063149 | .003954  | .1009778 | -.003209 | .0032851 | 70.68021 | .1307029 |
| #3 | .0093160 | -.002087 | .1056746 | -.000280 | .0018026 | 70.61714 | .1312108 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023106 | -.001021 | .2827779 | .1662365 | .0067508 | .0500060 | 100.0051 |
| Stddev | .0000481 | .000037  | .0119336 | .0008601 | .0002502 | .0016501 | .1909    |
| %RSD   | 2.079555 | 3.612133 | 4.220127 | .5173755 | 3.705653 | 3.299734 | .1908413 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023102 | -.001054 | .2900197 | .1657674 | .0064968 | .0507119 | 99.7914  |
| #2 | .0022628 | -.000981 | .2690043 | .1672291 | .0067588 | .0511856 | 100.1587 |
| #3 | .0023589 | -.001028 | .2893097 | .1657130 | .0069970 | .0481204 | 100.0652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0804551 | .6423874 | .0416335 | -.013037 | .2694058 | .2678751 | -.035141 |
| Stddev | .0004822 | .0024661 | .0002293 | .000222  | .0463205 | .0018494 | .003870  |
| %RSD   | .5993772 | .3839012 | .5507542 | 1.699603 | 17.19357 | .6903827 | 11.01176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0803535 | .6404936 | .0414608 | -.013262 | .3217043 | .2700104 | -.030777 |
| #2 | .0809800 | .6414925 | .0415460 | -.013030 | .2529639 | .2667804 | -.036490 |
| #3 | .0800317 | .6451760 | .0418937 | -.012819 | .2335491 | .2668346 | -.038155 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0754214 | .7501072 | -.130919 | .0037990 | 1.728719 | 10.37863 | .0060269 |
| Stddev | .0459298 | .0123856 | .001378  | .0001315 | .016959  | .04250   | .0019133 |
| %RSD   | 60.89757 | 1.651180 | 1.052931 | 3.462087 | .9810150 | .4095336 | 31.74676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0356671 | .7385498 | -.132461 | .0038935 | 1.726695 | 10.41434 | .0071989 |
| #2 | .1257000 | .7485905 | -.130488 | .0038547 | 1.712863 | 10.38993 | .0038189 |
| #3 | .0648972 | .7631813 | -.129807 | .0036488 | 1.746599 | 10.33161 | .0070628 |



Sample Name: I6046-19      Acquired: 11/2/2017 14:09:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E52      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7402295 | .0140012 | .0095068 |
| Stddev | .0042984 | .0002853 | .0000462 |
| %RSD   | .5806861 | 2.037678 | .4856295 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7418539 | .0142121 | .0095594 |
| #2 | .7434789 | .0141150 | .0094879 |
| #3 | .7353556 | .0136766 | .0094731 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1421.653 | 2384.862 | 34011.58 | 10682.22 | 3168.392 |
| Stddev    | 14.341   | 3.629    | 163.35   | 43.98    | 4.291    |
| %RSD      | 1.008784 | .1521767 | .4802721 | .4116703 | .1354455 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1405.333 | 2380.697 | 33849.76 | 10634.27 | 3167.251 |
| #2 | 1432.245 | 2386.542 | 34008.57 | 10691.75 | 3173.139 |
| #3 | 1427.381 | 2387.347 | 34176.41 | 10720.66 | 3164.787 |

Sample Name: I6046-20      Acquired: 11/2/2017 14:13:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047049 | .0010731 | .1080700 | -.005737 | .0043432 | 73.29219 | .1291533 |
| Stddev | .0006101 | .0012637 | .0018475 | .003244  | .0017386 | .10615   | .0003470 |
| %RSD   | 12.96770 | 117.7637 | 1.709534 | 56.53891 | 40.03066 | .1448259 | .2686593 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0040005 | .0015599 | .1059504 | -.003205 | .0063406 | 73.40173 | .1292481 |
| #2 | .0050479 | .0020210 | .1089206 | -.004613 | .0035196 | 73.28503 | .1287687 |
| #3 | .0050664 | -.000362 | .1093390 | -.009393 | .0031695 | 73.18980 | .1294430 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023491 | -.001128 | .2392767 | .1778290 | .0070620 | .0501979 | 102.9929 |
| Stddev | .0000420 | .000186  | .0225870 | .0041706 | .0001874 | .0008402 | .4273    |
| %RSD   | 1.787524 | 16.52525 | 9.439702 | 2.345270 | 2.653896 | 1.673729 | .4148733 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023669 | -.001036 | .2553740 | .1796267 | .0068903 | .0500218 | 102.6106 |
| #2 | .0023793 | -.001006 | .2489997 | .1807992 | .0070337 | .0511122 | 102.9140 |
| #3 | .0023012 | -.001343 | .2134564 | .1730610 | .0072619 | .0494597 | 103.4542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0819267 | .6413852 | .0471522 | -.013182 | .3604810 | .2770687 | -.036201 |
| Stddev | .0011234 | .0167552 | .0005839 | .000888  | .0838269 | .0037387 | .000699  |
| %RSD   | 1.371194 | 2.612346 | 1.238349 | 6.734015 | 23.25419 | 1.349366 | 1.931070 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0818923 | .6276155 | .0466576 | -.013702 | .4205014 | .2732583 | -.036880 |
| #2 | .0808210 | .6600401 | .0470028 | -.013687 | .3962365 | .2772166 | -.036239 |
| #3 | .0830669 | .6365002 | .0477964 | -.012157 | .2647051 | .2807312 | -.035483 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.042562 | .7483888 | -.136080 | .0035732 | 1.753753 | 10.17132 | .0068238 |
| Stddev | .013054  | .0187727 | .001369  | .0002103 | .029213  | .00901   | .0017901 |
| %RSD   | 30.66960 | 2.508412 | 1.006278 | 5.885413 | 1.665748 | .0885811 | 26.23350 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.032508 | .7673227 | -.137486 | .0037567 | 1.783988 | 10.16395 | .0085203 |
| #2 | -.037864 | .7297816 | -.136003 | .0033437 | 1.725682 | 10.18137 | .0069983 |
| #3 | -.057314 | .7480621 | -.134751 | .0036193 | 1.751590 | 10.16865 | .0049528 |

Sample Name: I6046-20      Acquired: 11/2/2017 14:13:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7088872 | .0149717 | .0097373 |
| Stddev | .0018042 | .0005739 | .0000344 |
| %RSD   | .2545094 | 3.833380 | .3535193 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7094145 | .0153160 | .0097355 |
| #2 | .7103690 | .0143092 | .0097726 |
| #3 | .7068781 | .0152900 | .0097038 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1472.367 | 2453.287 | 35195.63 | 10810.83 | 3229.695 |
| Stddev    | 34.472   | 13.697   | 701.06   | 21.77    | 12.809   |
| %RSD      | 2.341242 | .5583234 | 1.991901 | .2013947 | .3966010 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1446.475 | 2437.471 | 34706.32 | 10835.79 | 3216.560 |
| #2 | 1459.131 | 2461.077 | 34881.80 | 10800.96 | 3242.151 |
| #3 | 1511.495 | 2461.312 | 35998.79 | 10795.74 | 3230.376 |

Sample Name: I6046-21      Acquired: 11/2/2017 14:17:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073894 | .0015666 | .1059786 | -.005419 | .0034045 | 74.09777 | .1307431 |
| Stddev | .0038420 | .0037508 | .0014430 | .002978  | .0001404 | .20725   | .0003641 |
| %RSD   | 51.99414 | 239.4277 | 1.361585 | 54.96101 | 4.123869 | .2797017 | .2784600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0082261 | .0033878 | .1076427 | -.001985 | .0032986 | 74.31940 | .1303926 |
| #2 | .0031979 | .0040591 | .1050747 | -.007291 | .0033511 | 74.06518 | .1311194 |
| #3 | .0107440 | -.002747 | .1052182 | -.006981 | .0035637 | 73.90875 | .1307173 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024011 | -.001297 | .1551960 | .1808933 | .0071802 | .0511586 | 104.3437 |
| Stddev | .0000594 | .000146  | .0303007 | .0005113 | .0001781 | .0008525 | .6033    |
| %RSD   | 2.474185 | 11.25788 | 19.52414 | .2826550 | 2.481013 | 1.666440 | .5782038 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023903 | -.001465 | .1292806 | .1803431 | .0069821 | .0502874 | 103.7593 |
| #2 | .0023478 | -.001219 | .1885111 | .1813538 | .0073272 | .0519911 | 104.3077 |
| #3 | .0024652 | -.001206 | .1477962 | .1809829 | .0072313 | .0511973 | 104.9643 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0831765 | .6450792 | .0468374 | -.013905 | .3613318 | .2771077 | -.033982 |
| Stddev | .0007002 | .0103904 | .0002985 | .000433  | .0359000 | .0041875 | .002362  |
| %RSD   | .8418299 | 1.610721 | .6373827 | 3.116314 | 9.935458 | 1.511136 | 6.952019 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0827461 | .6414797 | .0467982 | -.014291 | .3206922 | .2819325 | -.031256 |
| #2 | .0827990 | .6369673 | .0465604 | -.013436 | .3887313 | .2749720 | -.035430 |
| #3 | .0839845 | .6567908 | .0471536 | -.013987 | .3745721 | .2744188 | -.035261 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003730 | .7482681 | -.134711 | .0038256 | 1.767331 | 10.29602 | .0084299 |
| Stddev | .0163114 | .0007702 | .000571  | .0000696 | .011647  | .01607   | .0017539 |
| %RSD   | 4372.971 | .1029323 | .4242397 | 1.818991 | .6590243 | .1560489 | 20.80558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003876 | .7475616 | -.134506 | .0038118 | 1.754552 | 10.29617 | .0090032 |
| #2 | -.013393 | .7490892 | -.134271 | .0037640 | 1.777350 | 10.31201 | .0098254 |
| #3 | .018388  | .7481535 | -.135357 | .0039011 | 1.770091 | 10.27988 | .0064611 |

Sample Name: I6046-21      Acquired: 11/2/2017 14:17:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7187232 | .0150170 | .0098003 |
| Stddev | .0036475 | .0006607 | .0000306 |
| %RSD   | .5074937 | 4.399793 | .3120190 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7222783 | .0155060 | .0098284 |
| #2 | .7149899 | .0152797 | .0097677 |
| #3 | .7189015 | .0142654 | .0098049 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1442.923 | 2441.267 | 34394.81 | 10692.60 | 3214.226 |
| Stddev    | 2.564    | 7.582    | 87.15    | 36.01    | 5.837    |
| %RSD      | .1776958 | .3105891 | .2533877 | .3367281 | .1815845 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1440.129 | 2445.722 | 34307.85 | 10679.34 | 3217.745 |
| #2 | 1445.168 | 2445.566 | 34394.41 | 10733.36 | 3217.443 |
| #3 | 1443.472 | 2432.512 | 34482.16 | 10665.11 | 3207.488 |

Sample Name: I6046-22      Acquired: 11/2/2017 14:22:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0745194 | .1328756 | .1493178 | .0660299 | .0768140 | 80.42627 | 4.294514 |
| Stddev | .0011744 | .0029467 | .0013305 | .0008800 | .0015871 | .14635   | .011979  |
| %RSD   | 1.576018 | 2.217619 | .8910452 | 1.332725 | 2.066117 | .1819720 | .2789307 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0748615 | .1295218 | .1478042 | .0667075 | .0784390 | 80.55392 | 4.308192 |
| #2 | .0732119 | .1350492 | .1503023 | .0663468 | .0767351 | 80.26653 | 4.285893 |
| #3 | .0754848 | .1340558 | .1498470 | .0650353 | .0752678 | 80.45834 | 4.289458 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1003195 | .0990542 | .1274351 | .5973060 | 1.022769 | .5531939 | 109.0912 |
| Stddev | .0001874 | .0009168 | .0335500 | .0022958 | .005037  | .0033765 | .3715    |
| %RSD   | .1868155 | .9255973 | 26.32712 | .3843533 | .4924731 | .6103696 | .3405651 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1001662 | .0980897 | .0965190 | .5948851 | 1.018113 | .5569384 | 109.4704 |
| #2 | .1002639 | .0991584 | .1226757 | .5975811 | 1.022079 | .5522627 | 108.7279 |
| #3 | .1005284 | .0999144 | .1631107 | .5994518 | 1.028116 | .5503807 | 109.0753 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.163551 | .6520055 | 1.072960 | .1171477 | .3790993 | 1.343051 | 1.079515 |
| Stddev | .002562  | .0095963 | .004297  | .0004855 | .0561219 | .007242  | .005681  |
| %RSD   | .2201781 | 1.471819 | .4004692 | .4143965 | 14.80400 | .5392287 | .5262574 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.166439 | .6603451 | 1.069322 | .1166078 | .4421621 | 1.341773 | 1.073076 |
| #2 | 1.161551 | .6541545 | 1.071857 | .1175482 | .3604901 | 1.336534 | 1.083822 |
| #3 | 1.162664 | .6415169 | 1.077701 | .1172870 | .3346459 | 1.350848 | 1.081645 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1342041 | .7861342 | -.142543 | .0032782 | 1.758859 | 10.24628 | .0097088 |
| Stddev | .0337179 | .0090928 | .000574  | .0001637 | .014324  | .01999   | .0025804 |
| %RSD   | 25.12438 | 1.156647 | .4030170 | 4.993553 | .8144160 | .1951385 | 26.57794 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1691541 | .7841062 | -.143020 | .0031997 | 1.746418 | 10.26302 | .0079078 |
| #2 | .1315874 | .7960698 | -.141906 | .0031686 | 1.755639 | 10.22414 | .0085536 |
| #3 | .1018707 | .7782267 | -.142704 | .0034664 | 1.774519 | 10.25167 | .0126650 |

Sample Name: I6046-22      Acquired: 11/2/2017 14:22:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E53S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6306985 | .0152903 | .0107166 |
| Stddev | .0012742 | .0002287 | .0000673 |
| %RSD   | .2020366 | 1.495942 | .6278607 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6311832 | .0151164 | .0107664 |
| #2 | .6292530 | .0152051 | .0107434 |
| #3 | .6316592 | .0155494 | .0106400 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1393.135 | 2371.306 | 33646.87 | 10717.20 | 3131.069 |
| Stddev    | 5.057    | 9.331    | 133.24   | 43.75    | 6.896    |
| %RSD      | .3629712 | .3934754 | .3960091 | .4082595 | .2202303 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1389.523 | 2360.533 | 33731.01 | 10666.68 | 3126.747 |
| #2 | 1390.968 | 2376.852 | 33493.25 | 10742.51 | 3139.021 |
| #3 | 1398.914 | 2376.531 | 33716.35 | 10742.41 | 3127.439 |

Sample Name: I6046-20LX5      Acquired: 11/2/2017 14:26:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041985 | -.001181 | .0216950 | -.002198 | .0018803 | 14.73926 | .0269054 |
| Stddev | .0024680 | .000524  | .0008710 | .001234  | .0003854 | .03388   | .0001567 |
| %RSD   | 58.78433 | 44.35174 | 4.014923 | 56.13312 | 20.49721 | .2298533 | .5824037 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020689 | -.001669 | .0212660 | -.003293 | .0014353 | 14.77733 | .0269429 |
| #2 | .0036232 | -.001247 | .0211217 | -.002439 | .0021032 | 14.72803 | .0270399 |
| #3 | .0069033 | -.000627 | .0226973 | -.000861 | .0021025 | 14.71243 | .0267333 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005328 | -.000321 | .0568006 | .0367208 | .0013188 | .0099476 | 21.49009 |
| Stddev | .0000394 | .000006  | .0006579 | .0004537 | .0001164 | .0015497 | .09341   |
| %RSD   | 7.390728 | 1.720295 | 1.158298 | 1.235577 | 8.822723 | 15.57870 | .4346477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004873 | -.000327 | .0561956 | .0369269 | .0012927 | .0108429 | 21.39481 |
| #2 | .0005561 | -.000319 | .0567051 | .0362007 | .0012177 | .0108417 | 21.58151 |
| #3 | .0005549 | -.000316 | .0575010 | .0370350 | .0014460 | .0081581 | 21.49394 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0171382 | .1333785 | .0096423 | -.002795 | .1330017 | .0540979 | -.008591 |
| Stddev | .0004087 | .0121798 | .0003841 | .000379  | .0186671 | .0015082 | .002951  |
| %RSD   | 2.384984 | 9.131741 | 3.983724 | 13.56801 | 14.03519 | 2.787958 | 34.35161 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0174170 | .1474341 | .0097455 | -.002443 | .1131216 | .0532485 | -.011883 |
| #2 | .0166690 | .1259295 | .0092172 | -.002746 | .1501559 | .0532058 | -.007705 |
| #3 | .0173286 | .1267720 | .0099644 | -.003197 | .1357277 | .0558393 | -.006184 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.807880 | .1532103 | -.030587 | -.000078 | .3636171 | 2.254509 | -.001339 |
| Stddev | .034620  | .0026178 | .000734  | .000122  | .0042137 | .010066  | .000362  |
| %RSD   | 1.914924 | 1.708657 | 2.399855 | 156.6656 | 1.158818 | .4464749 | 27.03866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.789347 | .1553223 | -.029870 | -.000159 | .3587778 | 2.250833 | -.001631 |
| #2 | 1.786474 | .1502814 | -.031337 | .000063  | .3664734 | 2.265896 | -.001451 |
| #3 | 1.847821 | .1540272 | -.030554 | -.000138 | .3656001 | 2.246797 | -.000934 |



Sample Name: I6046-20LX5      Acquired: 11/2/2017 14:26:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E53L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1451426 | .0013471 | .0017490 |
| Stddev | .0009972 | .0002190 | .0000264 |
| %RSD   | .6870269 | 16.25408 | 1.507652 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1454742 | .0012634 | .0017582 |
| #2 | .1440218 | .0015956 | .0017193 |
| #3 | .1459317 | .0011824 | .0017696 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1428.643 | 2459.718 | 33963.29 | 10298.49 | 3424.300 |
| Stddev    | 2.819    | 15.188   | 120.62   | 59.01    | 17.900   |
| %RSD      | .1973133 | .6174825 | .3551515 | .5730083 | .5227309 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1425.390 | 2443.525 | 33851.16 | 10281.52 | 3403.631 |
| #2 | 1430.187 | 2461.981 | 33947.81 | 10249.83 | 3434.646 |
| #3 | 1430.353 | 2473.648 | 34090.90 | 10364.13 | 3434.623 |

Sample Name: PB103760BL      Acquired: 11/2/2017 14:30:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000493 | .0004791 | -.000249 | -.001120 | -.001879 | -.002040 | .0004490 |
| Stddev | .002024  | .0019387 | .000185  | .000545  | .000844  | .003693  | .0003479 |
| %RSD   | 410.1970 | 404.6943 | 74.31814 | 48.63308 | 44.89140 | 180.9807 | 77.47593 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000287  | .0020938 | -.000450 | -.001616 | -.002649 | -.001736 | .0000615 |
| #2 | .001025  | .0010144 | -.000085 | -.001208 | -.002010 | .001490  | .0007345 |
| #3 | -.002792 | -.001671 | -.000213 | -.000537 | -.000978 | -.005876 | .0005511 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000031 | -.000097 | .0031744 | .0002685 | -.000168 | .0007391 | -.002863 |
| Stddev | .000028  | .000099  | .0037670 | .0004466 | .000112  | .0025870 | .003014  |
| %RSD   | 91.04876 | 102.2163 | 118.6700 | 166.3299 | 66.78430 | 350.0277 | 105.2946 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000002  | -.000212 | -.000762 | .0004573 | -.000049 | .0022836 | -.006310 |
| #2 | -.000047 | -.000039 | .003540  | -.000242 | -.000273 | .0021812 | -.001560 |
| #3 | -.000046 | -.000041 | .006745  | .000590  | -.000183 | -.002248 | -.000719 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000242 | .0074568 | .0000431 | .0001295 | .0927921 | .0011287 | -.004706 |
| Stddev | .000274  | .0033227 | .0001107 | .0002811 | .0618054 | .0004040 | .003023  |
| %RSD   | 113.2023 | 44.55967 | 256.6953 | 217.1685 | 66.60627 | 35.79040 | 64.23812 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000070  | .0101305 | .0000664 | .0001491 | .0637602 | .0014182 | -.007122 |
| #2 | -.000352 | .0085032 | -.000077 | .0004002 | .1637684 | .0013006 | -.001316 |
| #3 | -.000445 | .0037369 | .000140  | -.000161 | .0508478 | .0006672 | -.005680 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0359311 | .0016571 | -.002850 | -.000560 | .0037350 | -.004773 | -.001747 |
| Stddev | .0221690 | .0011920 | .000575  | .000131  | .0008154 | .000753  | .001472  |
| %RSD   | 61.69872 | 71.93262 | 20.17214 | 23.29756 | 21.83150 | 15.77022 | 84.25134 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0470472 | .0026243 | -.002678 | -.000510 | .0039264 | -.004422 | -.003136 |
| #2 | .0503428 | .0003254 | -.003491 | -.000462 | .0028409 | -.004260 | -.001901 |
| #3 | .0104033 | .0020215 | -.002380 | -.000708 | .0044376 | -.005638 | -.000204 |

Sample Name: PB103760BL      Acquired: 11/2/2017 14:30:12      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002535 | -.005547 | -.000327 |
| Stddev | .0006928 | .000638  | .000033  |
| %RSD   | 273.3108 | 11.50015 | 9.975917 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0000750 | -.006081 | -.000330 |
| #2 | -.000333 | -.004841 | -.000358 |
| #3 | .001018  | -.005720 | -.000293 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1457.558 | 2501.287 | 34830.92 | 10324.57 | 3582.106 |
| Stddev    | 2.776    | 7.120    | 91.66    | 52.99    | 4.838    |
| %RSD      | .1904352 | .2846471 | .2631588 | .5132327 | .1350729 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1456.145 | 2495.414 | 34803.31 | 10271.82 | 3583.069 |
| #2 | 1455.774 | 2509.205 | 34756.24 | 10324.10 | 3586.390 |
| #3 | 1460.756 | 2499.240 | 34933.21 | 10377.80 | 3576.858 |

Sample Name: PB103760BS      Acquired: 11/2/2017 14:34:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0201170 | .0609861 | .0241945 | .0716179 | .1200804 | .3405367 |
| Stddev | .0026731 | .0011889 | .0010666 | .0025582 | .0021194 | .0041316 |
| %RSD   | 13.28792 | 1.949405 | 4.408625 | 3.571978 | 1.765001 | 1.213261 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0170444 | .0614839 | .0253352 | .0697878 | .1185778 | .3371998 |
| #2 | .0213986 | .0596292 | .0240262 | .0705248 | .1191589 | .3392524 |
| #3 | .0219080 | .0618451 | .0232219 | .0745410 | .1225046 | .3451580 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Ba4934     | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F .9034562 | .0122173 | .0112672 | 7.036814 | .0248487 | .1023811 |
| Stddev | .0021366   | .0001949 | .0000471 | .041679  | .0003828 | .0003275 |
| %RSD   | .2364889   | 1.595283 | .4181389 | .5923019 | 1.540354 | .3198435 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9035152 | .0120332 | .0112735 | 7.000082 | .0244172 | .1020636 |
| #2 | .9055627 | .0124215 | .0112173 | 7.082110 | .0249818 | .1023621 |
| #3 | .9012908 | .0121972 | .0113109 | 7.028249 | .0251471 | .1027177 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0568246 | .2340065 | .0364546 | F 6.723824 | .0857428 | F .0304415 |
| Stddev | .0008681 | .0010825 | .0005597 | .036743    | .0006869 | .0001400   |
| %RSD   | 1.527612 | .4626093 | 1.535330 | .5464557   | .8010663 | .4599478   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0566470 | .2337168 | .0358083 | 6.684525 | .0853145 | .0305947 |
| #2 | .0577677 | .2352044 | .0367725 | 6.757319 | .0853788 | .0303201 |
| #3 | .0560591 | .2330983 | .0367829 | 6.729629 | .0865350 | .0304098 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 7.637982 | .1129912 | .1411173 | 10.26488 | F .0315262 | F .0223893 |
| Stddev | .032141  | .0022712 | .0007863 | .02868   | .0029254   | .0000889   |
| %RSD   | .4207984 | 2.010072 | .5572163 | .2793962 | 9.279181   | .3969251   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.629004 | .1114878 | .1402312 | 10.26190 | .0346197 | .0223170 |
| #2 | 7.673657 | .1156039 | .1417318 | 10.29493 | .0311547 | .0224885 |
| #3 | 7.611286 | .1118819 | .1413890 | 10.23781 | .0288044 | .0223623 |

Sample Name: PB103760BS      Acquired: 11/2/2017 14:34:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0229783 | .3009304 | .2081492 | F .0133679 | .1635719 | .0976351 |
| Stddev | .0002221 | .0041274 | .0080127 | .0030970   | .0007018 | .0000211 |
| %RSD   | .9665822 | 1.371556 | 3.849519 | 23.16736   | .4290768 | .0215969 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0228444 | .3051678 | .2017752 | .0103373 | .1639912 | .0976593 |
| #2 | .0228558 | .2969226 | .2055281 | .0132392 | .1639630 | .0976248 |
| #3 | .0232347 | .3007009 | .2171442 | .0165273 | .1627617 | .0976211 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2260398 |
| Stddev | .0001791 |
| %RSD   | .0792371 |

|    |          |
|----|----------|
| #1 | .2259698 |
| #2 | .2259064 |
| #3 | .2262434 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1387.138 | 2366.982 | 33126.10 | 10154.09 | 3318.852 |
| Stddev    | 7.907    | 10.110   | 240.91   | 42.28    | 7.091    |
| %RSD      | .5700088 | .4271423 | .7272372 | .4163572 | .2136511 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1378.673 | 2362.349 | 32884.43 | 10155.76 | 3313.479 |
| #2 | 1388.409 | 2378.579 | 33127.64 | 10111.00 | 3326.889 |
| #3 | 1394.333 | 2360.019 | 33366.23 | 10195.50 | 3316.187 |

Sample Name: PB103761BL      Acquired: 11/2/2017 14:38:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001277 | -.000085 | -.000547 | -.001638 | -.000696 | -.002201 | .0000564 |
| Stddev | .002176  | .001403  | .000457  | .000912  | .001327  | .003764  | .0002586 |
| %RSD   | 170.3461 | 1641.458 | 83.50759 | 55.69045 | 190.4982 | 170.9860 | 458.8694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002866 | -.001608 | -.000787 | -.002204 | .000791  | -.006394 | .0001138 |
| #2 | -.002169 | .001155  | -.000020 | -.002125 | -.001756 | .000884  | .0002814 |
| #3 | .001203  | .000196  | -.000833 | -.000586 | -.001124 | -.001093 | -.000226 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000049 | -.000151 | -.000502 | .0002157 | .0001259 | .0012853 | -.002795 |
| Stddev | .000032  | .000047  | .002129  | .0003702 | .0001809 | .0004944 | .001961  |
| %RSD   | 64.86516 | 30.95462 | 423.9523 | 171.5940 | 143.7089 | 38.46858 | 70.17881 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000025 | -.000100 | .001901  | .0002540 | -.000080 | .0018552 | -.000538 |
| #2 | -.000085 | -.000192 | -.002154 | .0005653 | .000258  | .0009703 | -.004084 |
| #3 | -.000037 | -.000161 | -.001254 | -.000172 | .000200  | .0010305 | -.003762 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000037 | .0213577 | .0000633 | .0000314 | -.009080 | .0007281 | -.001360 |
| Stddev | .000086  | .0123212 | .0002694 | .0002743 | .036452  | .0012743 | .000357  |
| %RSD   | 232.1507 | 57.68972 | 425.4981 | 872.5718 | 401.4360 | 175.0144 | 26.24286 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000061 | .0238587 | .0003002 | .0003231 | -.018406 | .0019148 | -.001770 |
| #2 | -.000108 | .0322365 | .0001195 | -.000007 | .031128  | -.000619 | -.001119 |
| #3 | .000058  | .0079778 | -.000230 | -.000221 | -.039963 | .000888  | -.001191 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0222611 | .0035017 | -.002228 | -.000637 | .0031562 | -.004910 | -.000658 |
| Stddev | .0228033 | .0017395 | .000477  | .000236  | .0029543 | .000376  | .002206  |
| %RSD   | 102.4356 | 49.67497 | 21.40226 | 37.10834 | 93.60217 | 7.651708 | 335.4714 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062122 | .0054217 | -.002172 | -.000492 | .0009090 | -.005157 | -.000261 |
| #2 | .0483636 | .0030527 | -.002731 | -.000909 | .0065025 | -.004478 | -.003035 |
| #3 | .0122076 | .0020307 | -.001782 | -.000509 | .0020572 | -.005096 | .001323  |

Sample Name: PB103761BL      Acquired: 11/2/2017 14:38:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000092 | -.004883 | -.000315 |
| Stddev | .000792  | .000168  | .000026  |
| %RSD   | 858.6328 | 3.436254 | 8.236237 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000203  | -.004722 | -.000309 |
| #2 | -.000989 | -.005057 | -.000293 |
| #3 | .000509  | -.004869 | -.000344 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1447.030 | 2427.861 | 34288.46 | 10250.30 | 3507.765 |
| Stddev    | 3.438    | 4.790    | 78.91    | 49.44    | 7.316    |
| %RSD      | .2375862 | .1972790 | .2301435 | .4823049 | .2085749 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1450.603 | 2422.868 | 34239.01 | 10205.48 | 3500.872 |
| #2 | 1446.743 | 2428.298 | 34246.90 | 10242.10 | 3515.442 |
| #3 | 1443.745 | 2432.417 | 34379.46 | 10303.33 | 3506.981 |

Sample Name: PB103761BS      Acquired: 11/2/2017 14:42:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0186836 | .0598004 | .0236823 | .0714699 | .1204952 | .3527476 |
| Stddev | .0010972 | .0010927 | .0009413 | .0015611 | .0007686 | .0020345 |
| %RSD   | 5.872472 | 1.827185 | 3.974710 | 2.184224 | .6378467 | .5767513 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0178507 | .0609658 | .0230063 | .0700777 | .1201483 | .3506418 |
| #2 | .0199268 | .0587990 | .0247574 | .0731576 | .1213761 | .3547024 |
| #3 | .0182733 | .0596363 | .0232833 | .0711743 | .1199612 | .3528986 |

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Ba4934     | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .8853418 | .0124417 | .0113593 | F 6.710772 | .0259433 | .1039767 |
| Stddev | .0032837   | .0000756 | .0001241 | .031060    | .0001858 | .0005116 |
| %RSD   | .3708970   | .6078262 | 1.092125 | .4628445   | .7162446 | .4920275 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8891307 | .0125096 | .0112442 | 6.680584 | .0257377 | .1036469 |
| #2 | .8835748 | .0123602 | .0113430 | 6.709095 | .0259927 | .1037172 |
| #3 | .8833200 | .0124553 | .0114907 | 6.742636 | .0260994 | .1045660 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0555191 | .2497526 | .0368437 | F 6.388037 | .0867951 | F .0302670 |
| Stddev | .0013369 | .0021301 | .0009766 | .016673    | .0002540 | .0002150   |
| %RSD   | 2.408049 | .8528952 | 2.650551 | .2610015   | .2925835 | .7104859   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0544755 | .2474097 | .0373117 | 6.371717 | .0866501 | .0300222 |
| #2 | .0570260 | .2515726 | .0357212 | 6.387352 | .0866468 | .0303534 |
| #3 | .0550557 | .2502756 | .0374981 | 6.405042 | .0870883 | .0304255 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 7.723401 | .1166892 | .1452269 | 10.37243 | F .0306853 | F .0230622 |
| Stddev | .036296  | .0017667 | .0032887 | .03164   | .0048696   | .0008470   |
| %RSD   | .4699488 | 1.513982 | 2.264508 | .3050302 | 15.86964   | 3.672859   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.686622 | .1187291 | .1474890 | 10.39797 | .0300466 | .0238752 |
| #2 | 7.724387 | .1156493 | .1414544 | 10.38228 | .0261666 | .0231265 |
| #3 | 7.759194 | .1156894 | .1467375 | 10.33704 | .0358428 | .0221848 |



Sample Name: PB103761BS      Acquired: 11/2/2017 14:42:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0233506 | .2960532 | .2094089 | F .0143096 | .1508528 | .0977662 |
| Stddev | .0000551 | .0030232 | .0010666 | .0040577   | .0011589 | .0006409 |
| %RSD   | .2359293 | 1.021151 | .5093145 | 28.35618   | .7682315 | .6555018 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0234129 | .2954283 | .2081842 | .0129274 | .1510731 | .0970276 |
| #2 | .0233083 | .2933914 | .2101335 | .0111236 | .1495996 | .0981749 |
| #3 | .0233306 | .2993400 | .2099090 | .0188778 | .1518857 | .0980961 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2271488 |
| Stddev | .0002572 |
| %RSD   | .1132120 |

|    |          |
|----|----------|
| #1 | .2273250 |
| #2 | .2272677 |
| #3 | .2268537 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1427.657 | 2412.426 | 33504.03 | 10167.54 | 3357.380 |
| Stddev    | 14.396   | 7.811    | 59.07    | 33.88    | 6.134    |
| %RSD      | 1.008335 | .3237987 | .1762969 | .3332544 | .1826891 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1411.095 | 2404.043 | 33446.73 | 10132.05 | 3351.227 |
| #2 | 1437.164 | 2413.733 | 33500.65 | 10199.55 | 3363.493 |
| #3 | 1434.713 | 2419.501 | 33564.72 | 10171.03 | 3357.421 |

Sample Name: PB103763BL      Acquired: 11/2/2017 14:46:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000209 | -.000714 | -.000527 | -.000756 | .0000246 | -.000259 | .0003978 |
| Stddev | .002466  | .001971  | .000760  | .000648  | .0007789 | .001525  | .0002252 |
| %RSD   | 1182.434 | 276.2149 | 144.1167 | 85.67506 | 3167.639 | 588.3377 | 56.60557 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001888  | .000661  | -.001173 | -.001503 | -.000659 | -.001989 | .0002258 |
| #2 | -.002926 | -.002972 | -.000719 | -.000348 | .000872  | .000322  | .0003149 |
| #3 | .000412  | .000170  | .000310  | -.000418 | -.000140 | .000890  | .0006527 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000076 | -.000136 | .0030491 | .0004341 | -.000226 | .0011720 | -.004865 |
| Stddev | .000040  | .000061  | .0039804 | .0002060 | .000078  | .0005297 | .003793  |
| %RSD   | 53.16693 | 44.56483 | 130.5436 | 47.44622 | 34.53448 | 45.19674 | 77.97138 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000065 | -.000117 | .0042217 | .0005032 | -.000267 | .0016680 | -.002334 |
| #2 | -.000121 | -.000087 | -.001386 | .0002025 | -.000275 | .0012340 | -.003035 |
| #3 | -.000042 | -.000203 | .006311  | .0005966 | -.000136 | .0006140 | -.009226 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001585 | .0130582 | .0003468 | .0000620 | .0627757 | -.001813 | -.005105 |
| Stddev | .0004911 | .0131203 | .0001942 | .0002245 | .0215100 | .002701  | .002203  |
| %RSD   | 309.7521 | 100.4757 | 55.98588 | 362.2872 | 34.26490 | 148.9842 | 43.14699 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006420 | -.001897 | .0004895 | -.000024 | .0697785 | -.000631 | -.002604 |
| #2 | -.000340 | .022631  | .0001257 | -.000107 | .0799117 | .000095  | -.006757 |
| #3 | .000173  | .018441  | .0004252 | .000317  | .0386369 | -.004904 | -.005955 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0531640 | -.000608 | -.002259 | -.000666 | .0048593 | -.005266 | -.001738 |
| Stddev | .0267950 | .001764  | .000455  | .000104  | .0022506 | .000441  | .000721  |
| %RSD   | 50.40061 | 290.0490 | 20.16350 | 15.58243 | 46.31589 | 8.372917 | 41.48072 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0372330 | .001220  | -.001777 | -.000568 | .0064773 | -.005203 | -.001009 |
| #2 | .0381596 | -.002300 | -.002683 | -.000655 | .0022891 | -.004861 | -.001754 |
| #3 | .0840996 | -.000744 | -.002316 | -.000775 | .0058116 | -.005736 | -.002451 |

Sample Name: PB103763BL      Acquired: 11/2/2017 14:46:41      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000678 | -.005987 | -.000340 |
| Stddev | .000075  | .000390  | .000028  |
| %RSD   | 11.04370 | 6.521872 | 8.213333 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000671 | -.005554 | -.000345 |
| #2 | -.000607 | -.006312 | -.000365 |
| #3 | -.000756 | -.006096 | -.000310 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1449.725 | 2474.258 | 34537.42 | 10211.78 | 3555.284 |
| Stddev    | 7.264    | 5.547    | 66.71    | 25.87    | 15.139   |
| %RSD      | .5010699 | .2241988 | .1931610 | .2533662 | .4258222 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1441.386 | 2477.344 | 34465.80 | 10181.90 | 3565.793 |
| #2 | 1453.113 | 2477.575 | 34548.68 | 10226.53 | 3562.127 |
| #3 | 1454.677 | 2467.854 | 34597.79 | 10226.90 | 3537.931 |

Sample Name: PB103763BS      Acquired: 11/2/2017 14:50:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0164496 | .0503274 | .0187398 | .0632270 | .1106263 | F .2778713 |
| Stddev | .0011942 | .0023481 | .0007588 | .0006341 | .0015343 | .0025140   |
| %RSD   | 7.259904 | 4.665653 | 4.049217 | 1.002927 | 1.386880 | .9047403   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0171515 | .0516214 | .0196107 | .0639592 | .1100858 | .2772284 |
| #2 | .0150707 | .0476170 | .0182207 | .0628565 | .1094354 | .2757411 |
| #3 | .0171265 | .0517439 | .0183881 | .0628652 | .1123577 | .2806443 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .3992785 | .0096821 | .0094871 | F 1.715646 | .0226144 | .0941162 |
| Stddev | .0017536 | .0000773 | .0001005 | .004982    | .0000858 | .0003998 |
| %RSD   | .4391950 | .7979542 | 1.059441 | .2903955   | .3792255 | .4248113 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4003576 | .0097514 | .0095493 | 1.719506 | .0225865 | .0936817 |
| #2 | .3972551 | .0096960 | .0093711 | 1.717411 | .0227106 | .0941984 |
| #3 | .4002228 | .0095988 | .0095407 | 1.710022 | .0225461 | .0944685 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0513467 | .1718532 | .0323479 | F 1.608951 | .0782199 | F .0265807 |
| Stddev | .0007995 | .0065584 | .0005039 | .012075    | .0001420 | .0002725   |
| %RSD   | 1.557009 | 3.816282 | 1.557780 | .7504966   | .1815097 | 1.025254   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0506062 | .1791078 | .0323397 | 1.622856 | .0780701 | .0262671 |
| #2 | .0512397 | .1663442 | .0318482 | 1.601098 | .0782372 | .0267603 |
| #3 | .0521943 | .1701077 | .0328559 | 1.602900 | .0783525 | .0267146 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.043727 | .1045393 | .1280223 | 7.580446 | .0194314 | F .0186209 |
| Stddev | .123871  | .0031123 | .0026474 | .026966  | .0024292 | .0007502   |
| %RSD   | 1.758594 | 2.977114 | 2.067956 | .3557339 | 12.50144 | 4.028741   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.186761 | .1072629 | .1308134 | 7.586140 | .0218860 | .0180093 |
| #2 | 6.972080 | .1052079 | .1255468 | 7.604110 | .0170284 | .0183954 |
| #3 | 6.972342 | .1011471 | .1277066 | 7.551087 | .0193799 | .0194580 |

Sample Name: PB103763BS      Acquired: 11/2/2017 14:50:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0209144 | .1615346 | .1792961 | F .0121373 | .0011078 | .0879923 |
| Stddev | .0003763 | .0032355 | .0020000 | .0006829   | .0007557 | .0007849 |
| %RSD   | 1.799093 | 2.002961 | 1.115493 | 5.626824   | 68.21695 | .8920220 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0213375 | .1605683 | .1810607 | .0129220 | .0013563 | .0887515 |
| #2 | .0206174 | .1651432 | .1797040 | .0116776 | .0017079 | .0880412 |
| #3 | .0207882 | .1588924 | .1771235 | .0118122 | .0002591 | .0871840 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2054817 |
| Stddev | .0004511 |
| %RSD   | .2195525 |

|    |          |
|----|----------|
| #1 | .2058405 |
| #2 | .2049753 |
| #3 | .2056294 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1392.015 | 2358.650 | 33794.23 | 10333.24 | 3358.626 |
| Stddev    | 3.026    | 8.013    | 62.47    | 35.73    | 4.217    |
| %RSD      | .2174004 | .3397318 | .1848481 | .3458002 | .1255459 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1395.177 | 2349.779 | 33788.34 | 10310.54 | 3357.263 |
| #2 | 1389.146 | 2360.807 | 33734.92 | 10314.75 | 3363.355 |
| #3 | 1391.722 | 2365.363 | 33859.44 | 10374.42 | 3355.259 |

Sample Name: PB103764BL      Acquired: 11/2/2017 14:54:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002325 | -.000759 | -.001382 | -.000233 | -.001094 | -.002001 | -.000029 |
| Stddev | .0030107 | .000463  | .001080  | .001575  | .000970  | .003967  | .000232  |
| %RSD   | 1294.914 | 60.97595 | 78.11280 | 674.9593 | 88.59041 | 198.3040 | 812.7220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003036 | -.001284 | -.000173 | -.001593 | -.001375 | .000928  | -.000229 |
| #2 | .000840  | -.000410 | -.001722 | .001492  | -.001893 | -.006516 | .000226  |
| #3 | .002893  | -.000583 | -.002251 | -.000600 | -.000016 | -.000414 | -.000083 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000051 | -.000139 | -.000789 | .0001657 | -.000081 | -.000035 | -.004548 |
| Stddev | .000016  | .000046  | .004011  | .0004291 | .000113  | .000818  | .004425  |
| %RSD   | 31.45093 | 32.72801 | 508.5085 | 258.9758 | 139.6754 | 2359.345 | 97.30012 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000042 | -.000184 | -.005398 | .0006576 | .000030  | .000591  | -.009148 |
| #2 | -.000041 | -.000140 | .001906  | -.000132 | -.000196 | -.000961 | -.000321 |
| #3 | -.000069 | -.000093 | .001126  | -.000029 | -.000076 | .000266  | -.004175 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000092 | .0146823 | .0003757 | -.000395 | .0759658 | -.000983 | -.001233 |
| Stddev | .000200  | .0097375 | .0002392 | .000483  | .0987123 | .002343  | .000509  |
| %RSD   | 217.8680 | 66.32129 | 63.68064 | 122.4515 | 129.9431 | 238.3792 | 41.27070 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000259 | .0048927 | .0005032 | -.000093 | .0668968 | .001687  | -.000826 |
| #2 | .000130  | .0243668 | .0005241 | -.000952 | -.017899 | -.001939 | -.001804 |
| #3 | -.000147 | .0147875 | .0000997 | -.000139 | .178900  | -.002696 | -.001069 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024675 | .0014179 | -.003460 | -.000536 | .0050649 | -.005190 | -.001103 |
| Stddev | .0311999 | .0036826 | .000511  | .000060  | .0056486 | .000351  | .001776  |
| %RSD   | 1264.445 | 259.7140 | 14.75856 | 11.25607 | 111.5251 | 6.767821 | 160.9585 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.027151 | -.000729 | -.003334 | -.000569 | .0022621 | -.004992 | -.002536 |
| #2 | -.000486 | .005670  | -.004022 | -.000466 | .0115667 | -.004982 | -.001658 |
| #3 | .035039  | -.000687 | -.003024 | -.000572 | .0013658 | -.005596 | .000884  |

Sample Name: PB103764BL      Acquired: 11/2/2017 14:54:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000783 | -.006512 | -.000325 |
| Stddev | .000231  | .000600  | .000011  |
| %RSD   | 29.44116 | 9.205990 | 3.438013 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000919 | -.006447 | -.000328 |
| #2 | -.000517 | -.005948 | -.000312 |
| #3 | -.000913 | -.007142 | -.000334 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1460.317 | 2471.422 | 34472.44 | 10258.71 | 3552.320 |
| Stddev    | 19.626   | 5.264    | 499.34   | 24.13    | 3.010    |
| %RSD      | 1.343988 | .2130097 | 1.448532 | .2352319 | .0847303 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1460.813 | 2466.692 | 34615.86 | 10231.70 | 3551.287 |
| #2 | 1440.448 | 2477.094 | 33917.08 | 10278.15 | 3555.711 |
| #3 | 1479.691 | 2470.479 | 34884.39 | 10266.28 | 3549.963 |

Sample Name: PB103764BS      Acquired: 11/2/2017 14:59:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0173159 | .0538744 | .0209295 | .0673893 | .1130249 | .2923643 |
| Stddev | .0029184 | .0010237 | .0013012 | .0017303 | .0016258 | .0003957 |
| %RSD   | 16.85389 | 1.900215 | 6.217235 | 2.567662 | 1.438397 | .1353390 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0197654 | .0527842 | .0203643 | .0654136 | .1115886 | .2919243 |
| #2 | .0180953 | .0540237 | .0224178 | .0686346 | .1126962 | .2924778 |
| #3 | .0140869 | .0548152 | .0200065 | .0681199 | .1147899 | .2926908 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4058144 | .0104157 | .0097811 | F 1.825753 | .0240541 | .0978334 |
| Stddev | .0005739 | .0001927 | .0001243 | .008721    | .0001707 | .0005733 |
| %RSD   | .1414129 | 1.849876 | 1.270602 | .4776538   | .7095758 | .5860410 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4053139 | .0105830 | .0098972 | 1.835816 | .0238682 | .0974785 |
| #2 | .4064408 | .0104591 | .0096500 | 1.821037 | .0242038 | .0975268 |
| #3 | .4056885 | .0102050 | .0097961 | 1.820406 | .0240902 | .0984949 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0540487 | .1817455 | .0337089 | F 1.717940 | .0805907 | F .0280972 |
| Stddev | .0006787 | .0090334 | .0005755 | .031059    | .0001229 | .0004413   |
| %RSD   | 1.255737 | 4.970339 | 1.707274 | 1.807916   | .1525046 | 1.570580   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0532962 | .1717323 | .0330451 | 1.715833 | .0804591 | .0280435 |
| #2 | .0542353 | .1842215 | .0340669 | 1.749999 | .0807026 | .0276852 |
| #3 | .0546146 | .1892827 | .0340149 | 1.687988 | .0806104 | .0285628 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.345082 | .1104899 | .1343153 | 7.544985 | .0200044 | F .0190363 |
| Stddev | .070466  | .0006974 | .0024198 | .037237  | .0029318 | .0006706   |
| %RSD   | .9593627 | .6311983 | 1.801556 | .4935376 | 14.65589 | 3.522795   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.354663 | .1110944 | .1317372 | 7.509042 | .0232647 | .0197556 |
| #2 | 7.270316 | .1097269 | .1346716 | 7.583394 | .0191636 | .0189250 |
| #3 | 7.410267 | .1106484 | .1365372 | 7.542518 | .0175848 | .0184283 |



Sample Name: PB103764BS      Acquired: 11/2/2017 14:59:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0214223 | .1703723 | .1883817 | F .0118148 | .0020439 | .0899375 |
| Stddev | .0003224 | .0009090 | .0014207 | .0010423   | .0000633 | .0003939 |
| %RSD   | 1.505095 | .5335230 | .7541397 | 8.822074   | 3.099291 | .4379284 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0212055 | .1701995 | .1897006 | .0106288 | .0020760 | .0897719 |
| #2 | .0212686 | .1713553 | .1868775 | .0125853 | .0020849 | .0903871 |
| #3 | .0217928 | .1695622 | .1885670 | .0122304 | .0019710 | .0896535 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2128090 |
| Stddev | .0001496 |
| %RSD   | .0703042 |

|    |          |
|----|----------|
| #1 | .2126367 |
| #2 | .2129055 |
| #3 | .2128848 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1405.357 | 2374.942 | 33802.66 | 10235.13 | 3370.734 |
| Stddev    | 8.372    | 13.202   | 182.95   | 30.97    | 8.499    |
| %RSD      | .5957364 | .5558911 | .5412222 | .3025511 | .2521471 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1414.497 | 2382.058 | 33892.20 | 10202.74 | 3373.560 |
| #2 | 1403.512 | 2383.058 | 33592.19 | 10238.20 | 3377.461 |
| #3 | 1398.060 | 2359.708 | 33923.58 | 10264.45 | 3361.182 |

Sample Name: PB103788BL      Acquired: 11/2/2017 15:03:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000831 | -.001285 | -.000517 | .0007228 | -.000821 | -.004797 | .0000503 |
| Stddev | .002635  | .001298  | .000783  | .0006616 | .000119  | .004538  | .0000243 |
| %RSD   | 317.2231 | 101.0715 | 151.4088 | 91.52323 | 14.48393 | 94.59212 | 48.34777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001868 | -.000379 | .000387  | .0005343 | -.000948 | -.007829 | .0000278 |
| #2 | -.002789 | -.000703 | -.000963 | .0014582 | -.000805 | -.006982 | .0000471 |
| #3 | .002165  | -.002772 | -.000975 | .0001760 | -.000711 | .000420  | .0000761 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000036 | -.000190 | .0027192 | .0002802 | .0000117 | -.000360 | -.002391 |
| Stddev | .000025  | .000015  | .0071276 | .0003443 | .0001504 | .001071  | .002155  |
| %RSD   | 69.95725 | 8.004091 | 262.1165 | 122.8994 | 1286.938 | 297.2410 | 90.13228 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000025 | -.000175 | .0033229 | .0006329 | .0000733 | -.001413 | -.002936 |
| #2 | -.000018 | -.000190 | .0095258 | -.000055 | .0001215 | .000727  | -.004220 |
| #3 | -.000065 | -.000206 | -.004691 | .000263  | -.000160 | -.000395 | -.000016 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000386 | .0091237 | .0002681 | -.000140 | .0558580 | -.000894 | -.006400 |
| Stddev | .000044  | .0226217 | .0000515 | .000180  | .0819984 | .003960  | .001078  |
| %RSD   | 11.46827 | 247.9454 | 19.20680 | 127.9657 | 146.7981 | 442.7007 | 16.83910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000436 | -.016618 | .0002331 | -.000254 | .1447306 | .003512  | -.005499 |
| #2 | -.000369 | .018154  | .0003272 | .000067  | -.016862 | -.002042 | -.006108 |
| #3 | -.000352 | .025836  | .0002440 | -.000234 | .039705  | -.004153 | -.007594 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087563 | .0006488 | -.003576 | -.000645 | .0034503 | -.004261 | -.000472 |
| Stddev | .0392836 | .0010959 | .000616  | .000141  | .0022766 | .000239  | .001484  |
| %RSD   | 448.6320 | 168.8990 | 17.23105 | 21.89490 | 65.98179 | 5.603431 | 314.4463 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.036052 | .0011101 | -.003457 | -.000806 | .0009067 | -.004116 | .000900  |
| #2 | .037274  | -.000602 | -.003028 | -.000584 | .0052968 | -.004131 | -.002047 |
| #3 | .025046  | .001439  | -.004243 | -.000545 | .0041474 | -.004537 | -.000269 |

Sample Name: PB103788BL      Acquired: 11/2/2017 15:03:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000624 | -.005982 | -.000328 |
| Stddev | .000646  | .000276  | .000011  |
| %RSD   | 103.6758 | 4.612663 | 3.351654 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001265 | -.006299 | -.000338 |
| #2 | -.000634 | -.005842 | -.000316 |
| #3 | .000028  | -.005803 | -.000331 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1397.618 | 2381.872 | 33926.77 | 10203.62 | 3456.485 |
| Stddev    | 13.072   | 14.763   | 140.21   | 24.01    | 16.111   |
| %RSD      | .9352716 | .6198084 | .4132798 | .2352983 | .4661060 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1389.726 | 2378.290 | 33781.87 | 10213.92 | 3452.253 |
| #2 | 1412.707 | 2398.096 | 34061.78 | 10176.17 | 3474.290 |
| #3 | 1390.422 | 2369.229 | 33936.65 | 10220.75 | 3442.913 |

Sample Name: PB103788BS      Acquired: 11/2/2017 15:07:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0151588 | .0491206 | .0186784 | .0656707 | .1086830 | F .2770513 |
| Stddev | .0012946 | .0028754 | .0012477 | .0014234 | .0018934 | .0042246   |
| %RSD   | 8.540024 | 5.853797 | 6.679724 | 2.167563 | 1.742143 | 1.524850   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0137690 | .0475909 | .0172680 | .0643544 | .1065675 | .2752550 |
| #2 | .0163305 | .0524375 | .0196380 | .0654764 | .1092630 | .2740217 |
| #3 | .0153769 | .0473333 | .0191293 | .0671813 | .1102186 | .2818772 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4016018 | .0096085 | .0094367 | F 1.712327 | .0227959 | .0937236 |
| Stddev | .0011160 | .0000703 | .0001133 | .017551    | .0002869 | .0002760 |
| %RSD   | .2778923 | .7318761 | 1.200498 | 1.024993   | 1.258497 | .2944795 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4011279 | .0095470 | .0094564 | 1.692470 | .0227911 | .0935987 |
| #2 | .4028766 | .0096852 | .0093148 | 1.725765 | .0230852 | .0935320 |
| #3 | .4008010 | .0095933 | .0095388 | 1.718747 | .0225114 | .0940399 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0505536 | .1660546 | .0319122 | F 1.623850 | .0770814 | F .0263537 |
| Stddev | .0009812 | .0022394 | .0002592 | .016239    | .0001805 | .0003880   |
| %RSD   | 1.941016 | 1.348607 | .8121658 | 1.000042   | .2341165 | 1.472376   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0516834 | .1680033 | .0320818 | 1.610263 | .0772188 | .0261995 |
| #2 | .0500627 | .1636082 | .0316139 | 1.619451 | .0768770 | .0260664 |
| #3 | .0499147 | .1665523 | .0320410 | 1.641835 | .0771484 | .0267951 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.070618 | .1066729 | .1292611 | 7.111554 | .0200302 | F .0171065 |
| Stddev | .106283  | .0032649 | .0046033 | .028728  | .0020586 | .0003535   |
| %RSD   | 1.503163 | 3.060685 | 3.561254 | .4039648 | 10.27744 | 2.066726   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 6.961093 | .1029120 | .1336067 | 7.080680 | .0201443 | .0172797 |
| #2 | 7.077429 | .1083261 | .1244374 | 7.137499 | .0220293 | .0166997 |
| #3 | 7.173331 | .1087806 | .1297391 | 7.116482 | .0179169 | .0173400 |

Sample Name: PB103788BS      Acquired: 11/2/2017 15:07:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0212616 | .1572030 | .1749485 | F .0111155 | .0009551 | .0882242 |
| Stddev | .0002206 | .0023235 | .0003584 | .0018864   | .0002230 | .0001580 |
| %RSD   | 1.037602 | 1.478007 | .2048362 | 16.97102   | 23.34398 | .1790705 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0210970 | .1561828 | .1748177 | .0125848 | .0009162 | .0881683 |
| #2 | .0211755 | .1555642 | .1746739 | .0117735 | .0007542 | .0884025 |
| #3 | .0215122 | .1598621 | .1753539 | .0089882 | .0011950 | .0881017 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2065718 |
| Stddev | .0006451 |
| %RSD   | .3122859 |

|    |          |
|----|----------|
| #1 | .2060567 |
| #2 | .2072953 |
| #3 | .2063633 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1386.957 | 2346.178 | 33667.25 | 10317.52 | 3359.336 |
| Stddev    | 7.028    | .343     | 98.59    | 10.09    | 6.781    |
| %RSD      | .5066871 | .0146354 | .2928268 | .0978079 | .2018572 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1379.439 | 2346.142 | 33630.15 | 10326.55 | 3353.371 |
| #2 | 1388.071 | 2346.538 | 33592.58 | 10319.38 | 3366.711 |
| #3 | 1393.360 | 2345.854 | 33779.00 | 10306.62 | 3357.925 |

Sample Name: PB103789BL      Acquired: 11/2/2017 15:11:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008603 | -.001581 | -.001392 | -.000212 | -.000610 | -.004466 | .0002255 |
| Stddev | .0019565 | .001080  | .000362  | .001347  | .001549  | .002336  | .0002012 |
| %RSD   | 227.4250 | 68.35085 | 26.00256 | 635.3772 | 254.0340 | 52.30296 | 89.23959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022024 | -.000440 | -.000983 | .001288  | -.000056 | -.001853 | .0003412 |
| #2 | .0017632 | -.002588 | -.001521 | -.001318 | .000586  | -.005191 | .0003420 |
| #3 | -.001385 | -.001714 | -.001671 | -.000606 | -.002359 | -.006352 | -.000007 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000069 | -.000152 | .0033413 | .0003968 | .0000215 | .0002623 | -.005335 |
| Stddev | .000077  | .000008  | .0013562 | .0004517 | .0001623 | .0004993 | .000820  |
| %RSD   | 111.4390 | 5.264021 | 40.58798 | 113.8328 | 753.4108 | 190.3940 | 15.36521 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000155 | -.000148 | .0030718 | .0009040 | -.000126 | .0002048 | -.006222 |
| #2 | -.000047 | -.000161 | .0048120 | .0000380 | .000195  | .0007878 | -.004606 |
| #3 | -.000005 | -.000147 | .0021401 | .0002484 | -.000005 | -.000206 | -.005176 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000316 | .0210685 | .0004694 | -.000121 | .0989015 | -.000139 | -.002941 |
| Stddev | .000145  | .0063954 | .0003323 | .000390  | .0875210 | .002101  | .000398  |
| %RSD   | 45.91067 | 30.35547 | 70.80915 | 322.8413 | 88.49319 | 1513.074 | 13.54582 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000214 | .0147673 | .0001131 | -.000523 | .1940250 | .000549  | -.003320 |
| #2 | -.000482 | .0275542 | .0007711 | -.000094 | .0808958 | .001532  | -.002526 |
| #3 | -.000252 | .0208840 | .0005239 | .000255  | .0217835 | -.002498 | -.002978 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000351 | .0026085 | -.003111 | -.000465 | .0066365 | -.004884 | -.000598 |
| Stddev | .036943  | .0025825 | .000773  | .000229  | .0020641 | .000745  | .001560  |
| %RSD   | 10528.74 | 99.00498 | 24.83559 | 49.18928 | 31.10149 | 15.24803 | 260.8682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.016099 | .0021519 | -.003758 | -.000358 | .0042544 | -.004445 | -.001713 |
| #2 | -.026810 | .0002847 | -.002255 | -.000728 | .0077602 | -.004462 | -.001266 |
| #3 | .041857  | .0053888 | -.003319 | -.000310 | .0078949 | -.005743 | .001185  |

Sample Name: PB103789BL      Acquired: 11/2/2017 15:11:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000793 | -.006713 | -.000354 |
| Stddev | .000600  | .000080  | .000033  |
| %RSD   | 75.59524 | 1.185710 | 9.379401 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000101 | -.006740 | -.000325 |
| #2 | -.001125 | -.006777 | -.000390 |
| #3 | -.001155 | -.006624 | -.000347 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1447.080 | 2486.232 | 34486.47 | 10240.98 | 3556.408 |
| Stddev    | 3.145    | 4.225    | 113.06   | 51.71    | 7.399    |
| %RSD      | .2173235 | .1699325 | .3278418 | .5049345 | .2080465 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1443.977 | 2481.400 | 34402.41 | 10248.38 | 3558.510 |
| #2 | 1446.998 | 2488.064 | 34441.99 | 10288.60 | 3562.528 |
| #3 | 1450.265 | 2489.231 | 34615.00 | 10185.98 | 3548.185 |

Sample Name: PB103789BS      Acquired: 11/2/2017 15:15:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0161496 | .0528874 | .0192511 | .0660229 | .1116008 | .2864035 |
| Stddev | .0046137 | .0018370 | .0010633 | .0016909 | .0013295 | .0058720 |
| %RSD   | 28.56875 | 3.473415 | 5.523333 | 2.561118 | 1.191266 | 2.050253 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0198420 | .0532949 | .0181041 | .0642652 | .1102414 | .2931487 |
| #2 | .0176292 | .0508808 | .0202039 | .0676380 | .1128982 | .2824340 |
| #3 | .0109775 | .0544864 | .0194453 | .0661656 | .1116628 | .2836276 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4083543 | .0101728 | .0097434 | F 1.799271 | .0237427 | .0970443 |
| Stddev | .0020681 | .0000739 | .0000405 | .009654    | .0008509 | .0004769 |
| %RSD   | .5064559 | .7261440 | .4157555 | .5365629   | 3.584033 | .4914462 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4107419 | .0101924 | .0097333 | 1.795795 | .0241333 | .0971404 |
| #2 | .4071197 | .0102349 | .0097089 | 1.810182 | .0227665 | .0965266 |
| #3 | .4072013 | .0100911 | .0097880 | 1.791836 | .0243281 | .0974658 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0527200 | .1734657 | .0333247 | F 1.695455 | .0798498 | F .0272462 |
| Stddev | .0000650 | .0053255 | .0000897 | .018445    | .0003052 | .0000566   |
| %RSD   | .1233377 | 3.070065 | .2692639 | 1.087881   | .3822156 | .2076553   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0527141 | .1771843 | .0334129 | 1.714415 | .0798668 | .0271994 |
| #2 | .0527877 | .1673649 | .0332335 | 1.694375 | .0795365 | .0272301 |
| #3 | .0526581 | .1758479 | .0333277 | 1.677574 | .0801462 | .0273090 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.311093 | .1081598 | .1293033 | 7.539195 | .0207286 | F .0181509 |
| Stddev | .010134  | .0019284 | .0050364 | .035627  | .0021906 | .0002021   |
| %RSD   | .1386071 | 1.782894 | 3.895015 | .4725567 | 10.56819 | 1.113435   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.321881 | .1103852 | .1280156 | 7.550965 | .0220427 | .0179207 |
| #2 | 7.301774 | .1071127 | .1250359 | 7.499172 | .0219434 | .0182993 |
| #3 | 7.309625 | .1069814 | .1348586 | 7.567448 | .0181997 | .0182327 |



Sample Name: PB103789BS      Acquired: 11/2/2017 15:15:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0212790 | .1720318 | .1849566 | F .0120395 | .0017460 | .0887494 |
| Stddev | .0001224 | .0017661 | .0030289 | .0021017   | .0006364 | .0003138 |
| %RSD   | .5753325 | 1.026590 | 1.637633 | 17.45702   | 36.44651 | .3535887 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0213991 | .1718994 | .1814954 | .0097707 | .0018494 | .0887969 |
| #2 | .0211544 | .1738604 | .1871225 | .0124278 | .0010643 | .0890367 |
| #3 | .0212835 | .1703357 | .1862519 | .0139200 | .0023243 | .0884145 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2101413 |
| Stddev | .0003234 |
| %RSD   | .1539023 |

|    |          |
|----|----------|
| #1 | .2105147 |
| #2 | .2099508 |
| #3 | .2099583 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1407.320 | 2368.152 | 33826.03 | 10212.81 | 3360.834 |
| Stddev    | 11.840   | 2.687    | 112.01   | 26.57    | 4.138    |
| %RSD      | .8413350 | .1134519 | .3311488 | .2601664 | .1231237 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.335 | 2369.505 | 33738.22 | 10236.19 | 3357.030 |
| #2 | 1420.924 | 2369.893 | 33952.18 | 10218.33 | 3365.240 |
| #3 | 1401.702 | 2365.058 | 33787.68 | 10183.91 | 3360.234 |

Sample Name: I6001-08A      Acquired: 11/2/2017 15:19:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E05A      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0225505 | .0011257 | .0600767 | -.001107 | .0015017 | 46.15147 | .0975500 |
| Stddev | .0013910 | .0028500 | .0010396 | .002227  | .0015716 | .04469   | .0006331 |
| %RSD   | 6.168312 | 253.1785 | 1.730458 | 201.2018 | 104.6574 | .0968341 | .6489777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0229686 | .0011241 | .0595740 | .001415  | .0004866 | 46.18409 | .0980672 |
| #2 | .0209984 | .0039765 | .0593840 | -.001932 | .0033120 | 46.16979 | .0968440 |
| #3 | .0236845 | -.001724 | .0612721 | -.002802 | .0007065 | 46.10053 | .0977388 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013821 | -.000567 | 3.240507 | .0940650 | .0040088 | .0240233 | 48.85885 |
| Stddev | .0000183 | .000077  | .015081  | .0007269 | .0000889 | .0003770 | .21353   |
| %RSD   | 1.326072 | 13.63970 | .4654001 | .7727882 | 2.217489 | 1.569410 | .4370302 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013971 | -.000478 | 3.240271 | .0948100 | .0040162 | .0237525 | 48.74646 |
| #2 | .0013617 | -.000609 | 3.225545 | .0940272 | .0040938 | .0244539 | 48.72500 |
| #3 | .0013876 | -.000616 | 3.255705 | .0933577 | .0039164 | .0238636 | 49.10510 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0522753 | .7817736 | .0220061 | -.006366 | .2454695 | .1603372 | -.008578 |
| Stddev | .0006526 | .0300104 | .0001641 | .000285  | .0400499 | .0012242 | .001827  |
| %RSD   | 1.248433 | 3.838754 | .7456835 | 4.476608 | 16.31562 | .7635209 | 21.29914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0526041 | .7524757 | .0221618 | -.006669 | .2851842 | .1589588 | -.007935 |
| #2 | .0515237 | .7803962 | .0220219 | -.006328 | .2461316 | .1607551 | -.007159 |
| #3 | .0526982 | .8124490 | .0218347 | -.006102 | .2050927 | .1612978 | -.010639 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003577 | .4800101 | -.064639 | .0030185 | .2247872 | 12.37219 | .0047965 |
| Stddev | .024350  | .0069225 | .000551  | .0002969 | .0032025 | .02421   | .0009653 |
| %RSD   | 680.7340 | 1.442148 | .8520868 | 9.837254 | 1.424695 | .1956590 | 20.12465 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.031491 | .4856535 | -.064413 | .0033150 | .2213824 | 12.38307 | .0059106 |
| #2 | .007464  | .4820908 | -.064236 | .0030194 | .2277394 | 12.34445 | .0042692 |
| #3 | .013296  | .4722859 | -.065266 | .0027211 | .2252397 | 12.38905 | .0042097 |

Sample Name: I6001-08A      Acquired: 11/2/2017 15:19:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E05A      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5484015 | .0014976 | .0181096 |
| Stddev | .0021661 | .0002131 | .0000751 |
| %RSD   | .3949933 | 14.23017 | .4145254 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5509021 | .0017029 | .0181646 |
| #2 | .5472020 | .0015125 | .0180241 |
| #3 | .5471005 | .0012775 | .0181402 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1477.986 | 2482.264 | 35171.73 | 10940.59 | 3252.015 |
| Stddev    | 9.652    | 10.356   | 114.26   | 28.44    | 11.698   |
| %RSD      | .6530532 | .4172100 | .3248552 | .2599219 | .3597034 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1488.866 | 2471.275 | 35179.99 | 10907.92 | 3239.718 |
| #2 | 1470.452 | 2491.842 | 35053.57 | 10959.75 | 3263.004 |
| #3 | 1474.640 | 2483.674 | 35281.64 | 10954.11 | 3253.322 |

Sample Name: CCV027      Acquired: 11/2/2017 15:23:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV027      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.149201 | 4.865486 | 24.48747 | 4.878310 | 4.910260 | F 287.8544 |
| Stddev | .012963  | .018644  | .10706   | .009747  | .017626  | 2.3049     |
| %RSD   | .2517454 | .3831848 | .4371853 | .1997960 | .3589719 | .8007181   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.142750 | 4.861365 | 24.42517 | 4.871211 | 4.900326 | 287.6754 |
| #2 | 5.140730 | 4.849248 | 24.42615 | 4.874298 | 4.899842 | 290.2435 |
| #3 | 5.164124 | 4.885846 | 24.61108 | 4.889423 | 4.930611 | 285.6442 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.967988 | .5120224 | 2.524271 | F 320.2788 | 15.36582 | 2.502809 |
| Stddev | .081987  | .0030284 | .008672  | 1.5748     | .01955   | .007278  |
| %RSD   | .8225033 | .5914491 | .3435334 | .4916858   | .1272123 | .2908036 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.907428 | .5090374 | 2.520739 | 318.4605 | 15.38802 | 2.499987 |
| #2 | 10.06129 | .5150923 | 2.517922 | 321.1757 | 15.35829 | 2.497365 |
| #3 | 9.93525  | .5119373 | 2.534151 | 321.2002 | 15.35117 | 2.511076 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.01566 | F 309.7825 | 15.05040 | F 325.2015 | 2.492132 | 1.235280 |
| Stddev | .10600   | 1.3712     | .06401   | 1.9354     | .008537  | .003101  |
| %RSD   | .7059131 | .4426294   | .4253119 | .5951287   | .3425507 | .2510130 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.96759 | 308.2220 | 14.97661 | 322.9785 | 2.488557 | 1.238655 |
| #2 | 15.13718 | 310.7946 | 15.09096 | 326.5117 | 2.485963 | 1.232556 |
| #3 | 14.94222 | 310.3309 | 15.08364 | 326.1142 | 2.501875 | 1.234630 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 288.7828 | 2.494600 | 15.28975 | 150.8056 | 5.207271 | 4.688878 |
| Stddev | 1.4597     | .013720  | .03390   | .9552    | .055838  | .031292  |
| %RSD   | .5054738   | .5500061 | .2217346 | .6334055 | 1.072309 | .6673635 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 287.4305 | 2.484053 | 15.28712 | 150.4841 | 5.207822 | 4.652934 |
| #2 | 290.3303 | 2.510111 | 15.32489 | 151.8801 | 5.151159 | 4.710045 |
| #3 | 288.5876 | 2.489634 | 15.25724 | 150.0526 | 5.262831 | 4.703656 |

Sample Name: CCV027      Acquired: 11/2/2017 15:23:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV027      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.851231 | 5.144152 | 5.004140 | 5.037277 | 4.987273 | 5.010498 |
| Stddev | .003717  | .033812  | .025242  | .006913  | .018543  | .029562  |
| %RSD   | .0766122 | .6572937 | .5044173 | .1372455 | .3718016 | .5900085 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.850304 | 5.121294 | 4.977546 | 5.045234 | 4.968412 | 5.002810 |
| #2 | 4.848066 | 5.128170 | 5.027768 | 5.032736 | 5.005480 | 5.043144 |
| #3 | 4.855324 | 5.182993 | 5.007105 | 5.033863 | 4.987927 | 4.985539 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.995290 |
| Stddev | .028438  |
| %RSD   | .5693060 |

|    |          |
|----|----------|
| #1 | 4.983498 |
| #2 | 5.027727 |
| #3 | 4.974644 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1157.403 | 1938.244 | 28480.46 | 9519.663 | 2341.691 |
| Stddev    | 2.123    | 1.006    | 74.85    | 53.034   | 4.437    |
| %RSD      | .1834419 | .0519133 | .2628084 | .5570991 | .1894942 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1156.269 | 1938.173 | 28411.47 | 9566.075 | 2342.685 |
| #2 | 1156.088 | 1939.284 | 28469.86 | 9461.859 | 2345.548 |
| #3 | 1159.852 | 1937.275 | 28560.04 | 9531.057 | 2336.842 |

Sample Name: CCB027      Acquired: 11/2/2017 15:28:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB027      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014002 | .0000733 | -.000432 | -.000864 | -.000425 | .0003398 | .0004878 |
| Stddev | .0023432 | .0009794 | .000202  | .001622  | .000437  | .0017845 | .0002056 |
| %RSD   | 167.3484 | 1336.062 | 46.75601 | 187.7533 | 102.8254 | 525.1278 | 42.14923 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0036095 | .0004552 | -.000627 | -.002615 | -.000105 | -.000663 | .0002620 |
| #2 | .0016484 | .0008043 | -.000224 | -.000561 | -.000247 | .002400  | .0005372 |
| #3 | -.001057 | -.001040 | -.000444 | .000585  | -.000922 | -.000717 | .0006641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000057 | -.000113 | .0007745 | .0002629 | -.000029 | .0012046 | -.000166 |
| Stddev | .000057  | .000045  | .0047341 | .0004383 | .000121  | .0008231 | .006897  |
| %RSD   | 99.03038 | 39.38646 | 611.2409 | 166.7352 | 415.3450 | 68.32720 | 4164.316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000001  | -.000145 | -.004505 | .0006939 | .000105  | .0003859 | -.008024 |
| #2 | -.000060 | -.000133 | .004643  | .0002769 | -.000127 | .0011961 | .004885  |
| #3 | -.000113 | -.000062 | .002185  | -.000182 | -.000065 | .0020320 | .002642  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002008 | .0102266 | -.000052 | -.000221 | .0268286 | .0004979 | -.003518 |
| Stddev | .0002089 | .0123982 | .000187  | .000274  | .0389168 | .0007582 | .002891  |
| %RSD   | 104.0333 | 121.2352 | 361.0208 | 124.1669 | 145.0572 | 152.2924 | 82.18821 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004293 | -.003374 | -.000065 | -.000315 | .0687042 | -.000377 | -.005433 |
| #2 | .0001533 | .013156  | .000141  | .000088  | -.008228 | .000916  | -.004930 |
| #3 | .0000197 | .020898  | -.000231 | -.000436 | .020010  | .000955  | -.000192 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061358 | -.002359 | .0015872 | .0006537 | .0028078 | -.004170 | .0009783 |
| Stddev | .0220827 | .001934  | .0002031 | .0001293 | .0020466 | .000233  | .0008566 |
| %RSD   | 359.9004 | 81.99304 | 12.79852 | 19.78347 | 72.88831 | 5.588128 | 87.56623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0251813 | -.001219 | .0018108 | .0007717 | .0019253 | -.003922 | -.000010 |
| #2 | .0112963 | -.001265 | .0014139 | .0006741 | .0051475 | -.004384 | .001443  |
| #3 | -.018070 | -.004591 | .0015370 | .0005154 | .0013506 | -.004204 | .001502  |

Sample Name: CCB027      Acquired: 11/2/2017 15:28:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB027      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000305 | -.002202 | -.000234 |
| Stddev | .000258  | .000335  | .000021  |
| %RSD   | 84.76064 | 15.19406 | 9.137243 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000298 | -.001818 | -.000259 |
| #2 | -.000050 | -.002432 | -.000223 |
| #3 | -.000566 | -.002357 | -.000220 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1458.050 | 2496.718 | 34515.58 | 10179.94 | 3564.203 |
| Stddev    | 6.268    | 8.661    | 99.96    | 34.55    | 9.865    |
| %RSD      | .4299204 | .3469022 | .2896066 | .3394034 | .2767730 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1451.179 | 2489.620 | 34401.00 | 10184.98 | 3553.967 |
| #2 | 1463.457 | 2506.369 | 34584.93 | 10143.15 | 3573.649 |
| #3 | 1459.513 | 2494.165 | 34560.80 | 10211.70 | 3564.991 |

Sample Name: PB103885BL      Acquired: 11/2/2017 15:32:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021922 | .0009902 | -.000851 | .0003110 | -.000558 | -.005211 | .0001912 |
| Stddev | .0016925 | .0022338 | .000177  | .0009403 | .000539  | .001573  | .0001853 |
| %RSD   | 77.20317 | 225.5947 | 20.81080 | 302.3071 | 96.63687 | 30.18819 | 96.92316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0039099 | .0020105 | -.001049 | -.000622 | -.000672 | -.004461 | -.000017 |
| #2 | .0005262 | -.001572 | -.000798 | .001258  | -.001030 | -.004153 | .000337  |
| #3 | .0021405 | .002532  | -.000707 | .000298  | .000029  | -.007019 | .000254  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000087 | -.000195 | .0054762 | .0006761 | -.000088 | -.000184 | .0020063 |
| Stddev | .000038  | .000023  | .0015454 | .0002926 | .000190  | .000788  | .0032057 |
| %RSD   | 44.14848 | 12.00554 | 28.22067 | 43.27372 | 217.3459 | 429.1777 | 159.7812 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000106 | -.000222 | .0072321 | .0007596 | -.000132 | .000705  | .0023371 |
| #2 | -.000112 | -.000183 | .0043223 | .0009178 | .000121  | -.000458 | -.001352 |
| #3 | -.000043 | -.000181 | .0048743 | .0003508 | -.000252 | -.000798 | .005034  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000117 | .0007911 | .0001315 | -.000021 | .1157461 | -.001325 | -.003426 |
| Stddev | .000079  | .0096145 | .0004084 | .000268  | .0226556 | .002323  | .001007  |
| %RSD   | 67.31838 | 1215.376 | 310.5575 | 1281.306 | 19.57356 | 175.2836 | 29.39939 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000154 | -.009820 | .0004138 | -.000154 | .1060697 | -.000596 | -.004537 |
| #2 | -.000026 | .008925  | -.000337 | -.000196 | .1416331 | -.003926 | -.003171 |
| #3 | -.000169 | .003268  | .000318  | .000287  | .0995355 | .000546  | -.002571 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0910560 | .0011508 | -.000567 | -.000288 | .0074857 | -.004738 | -.000366 |
| Stddev | .0252667 | .0043672 | .000764  | .000059  | .0018381 | .000045  | .000670  |
| %RSD   | 27.74849 | 379.4837 | 134.6461 | 20.62264 | 24.55474 | .9415919 | 182.8727 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0755500 | .0028509 | -.001415 | -.000236 | .0082226 | -.004686 | -.001134 |
| #2 | .0774063 | -.003811 | .000066  | -.000353 | .0053935 | -.004765 | .000100  |
| #3 | .1202118 | .004412  | -.000352 | -.000277 | .0088410 | -.004762 | -.000065 |



Sample Name: PB103885BL      Acquired: 11/2/2017 15:32:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000772 | -.005125 | -.000276 |
| Stddev | .000662  | .000550  | .000012  |
| %RSD   | 85.77967 | 10.73485 | 4.403828 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000401 | -.004569 | -.000285 |
| #2 | -.000378 | -.005138 | -.000282 |
| #3 | -.001536 | -.005669 | -.000262 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1433.814 | 2423.690 | 34284.97 | 10162.88 | 3497.649 |
| Stddev    | 7.649    | 14.747   | 58.89    | 21.55    | 15.993   |
| %RSD      | .5335029 | .6084392 | .1717676 | .2120516 | .4572372 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1425.869 | 2422.524 | 34244.96 | 10182.18 | 3503.479 |
| #2 | 1441.130 | 2438.985 | 34352.59 | 10139.63 | 3509.908 |
| #3 | 1434.443 | 2409.561 | 34257.36 | 10166.85 | 3479.559 |

Sample Name: PB103885BS      Acquired: 11/2/2017 15:36:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0220771 | .0587624 | .0231137 | .0735058 | .1198346 | .3509232 |
| Stddev | .0013657 | .0009605 | .0010619 | .0017794 | .0004286 | .0032136 |
| %RSD   | 6.185938 | 1.634536 | 4.594415 | 2.420719 | .3576442 | .9157608 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0223364 | .0586004 | .0242540 | .0733777 | .1197017 | .3545909 |
| #2 | .0232944 | .0597936 | .0221531 | .0717939 | .1203139 | .3495776 |
| #3 | .0206003 | .0578932 | .0229341 | .0753458 | .1194882 | .3486011 |

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Ba4934     | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .8965688 | .0122684 | .0113314 | F 6.894051 | .0254111 | .1025369 |
| Stddev | .0043217   | .0000924 | .0000942 | .015358    | .0006431 | .0005130 |
| %RSD   | .4820244   | .7535082 | .8313428 | .2227727   | 2.530739 | .5003069 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9013968 | .0122305 | .0112530 | 6.903348 | .0258079 | .1026955 |
| #2 | .8930618 | .0123737 | .0113052 | 6.876324 | .0257564 | .1019634 |
| #3 | .8952478 | .0122009 | .0114358 | 6.902481 | .0246691 | .1029520 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0562856 | .2414934 | .0366221 | F 6.589749 | .0857647 | F .0301837 |
| Stddev | .0003296 | .0045104 | .0002473 | .051339    | .0003338 | .0001395   |
| %RSD   | .5856176 | 1.867726 | .6751522 | .7790744   | .3891884 | .4622016   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0562916 | .2458894 | .0369066 | 6.572700 | .0858382 | .0302700 |
| #2 | .0566122 | .2417143 | .0365006 | 6.647444 | .0854003 | .0302583 |
| #3 | .0559530 | .2368766 | .0364591 | 6.549104 | .0860557 | .0300228 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 7.628551 | .1137692 | .1487474 | 10.22507 | F .0326407 | F .0225543 |
| Stddev | .082555  | .0030195 | .0000391 | .02756   | .0027054   | .0010075   |
| %RSD   | 1.082182 | 2.654043 | .0262956 | .2695714 | 8.288533   | 4.467008   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.722039 | .1134449 | .1487924 | 10.19474 | .0306926 | .0215975 |
| #2 | 7.597941 | .1109249 | .1487280 | 10.24858 | .0357297 | .0236058 |
| #3 | 7.565674 | .1169377 | .1487217 | 10.23189 | .0314996 | .0224596 |

Sample Name: PB103885BS      Acquired: 11/2/2017 15:36:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0228938 | .3021485 | .2059240 | F .0149365 | .1604672 | .0968212 |
| Stddev | .0002375 | .0054543 | .0028569 | .0014069   | .0010987 | .0007978 |
| %RSD   | 1.037503 | 1.805175 | 1.387363 | 9.418968   | .6847162 | .8239519 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0228568 | .3027584 | .2065337 | .0159701 | .1592373 | .0976874 |
| #2 | .0226769 | .2964148 | .2084269 | .0133343 | .1608121 | .0961165 |
| #3 | .0231476 | .3072722 | .2028115 | .0155050 | .1613520 | .0966599 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2258597 |
| Stddev | .0007492 |
| %RSD   | .3317200 |

|    |          |
|----|----------|
| #1 | .2267099 |
| #2 | .2252962 |
| #3 | .2255730 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1412.909 | 2395.863 | 33486.94 | 10223.49 | 3349.836 |
| Stddev    | 1.032    | 6.907    | 42.78    | 42.40    | 5.496    |
| %RSD      | .0730125 | .2882751 | .1277370 | .4147777 | .1640596 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1413.439 | 2391.574 | 33469.17 | 10223.43 | 3346.356 |
| #2 | 1413.569 | 2403.830 | 33535.74 | 10181.11 | 3356.172 |
| #3 | 1411.721 | 2392.184 | 33455.91 | 10265.92 | 3346.980 |

Sample Name: I6105-18      Acquired: 11/2/2017 15:40:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0621302 | .0012075 | .0786687 | -.002372 | .0031158 | 53.29454 | .1595635 |
| Stddev | .0010358 | .0032922 | .0010241 | .003205  | .0013571 | .17681   | .0003050 |
| %RSD   | 1.667139 | 272.6517 | 1.301847 | 135.1068 | 43.55412 | .3317521 | .1911490 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0611332 | .0033020 | .0786239 | -.006070 | .0034381 | 53.10071 | .1592782 |
| #2 | .0632009 | .0029077 | .0797145 | -.000626 | .0042828 | 53.44697 | .1595274 |
| #3 | .0620566 | -.002587 | .0776677 | -.000419 | .0016267 | 53.33594 | .1598850 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024659 | -.000957 | 1.325969 | .1147094 | .0086243 | .0406441 | 76.61426 |
| Stddev | .0001572 | .000057  | .007220  | .0008329 | .0000377 | .0007343 | .35217   |
| %RSD   | 6.373521 | 5.908362 | .5445393 | .7261343 | .4372127 | 1.806622 | .4596622 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023224 | -.000903 | 1.319657 | .1150071 | .0086050 | .0403394 | 76.33885 |
| #2 | .0026339 | -.001016 | 1.333843 | .1153525 | .0086677 | .0414817 | 76.49287 |
| #3 | .0024416 | -.000952 | 1.324407 | .1137684 | .0086001 | .0401112 | 77.01107 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2052748 | 2.232284 | .0494848 | -.010400 | .2610618 | .2066592 | .0491844 |
| Stddev | .0018721 | .022812  | .0002116 | .000092  | .0181126 | .0040404 | .0046076 |
| %RSD   | .9120115 | 1.021898 | .4275671 | .8848684 | 6.938059 | 1.955094 | 9.368122 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2035771 | 2.213110 | .0495164 | -.010436 | .2449289 | .2064418 | .0543898 |
| #2 | .2049647 | 2.257512 | .0496789 | -.010468 | .2806549 | .2108039 | .0456289 |
| #3 | .2072826 | 2.226231 | .0492593 | -.010295 | .2576015 | .2027319 | .0475343 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.350408 | .7128372 | -.099552 | .0035082 | .5540871 | 9.012938 | .0051792 |
| Stddev | .010656  | .0033899 | .001505  | .0000372 | .0029371 | .090971  | .0012821 |
| %RSD   | 3.041164 | .4755513 | 1.512076 | 1.059565 | .5300843 | 1.009334 | 24.75567 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.344056 | .7110254 | -.098967 | .0035507 | .5537789 | 8.955102 | .0038596 |
| #2 | -.344458 | .7107381 | -.098427 | .0034918 | .5513163 | 8.965915 | .0052577 |
| #3 | -.362711 | .7167480 | -.101262 | .0034820 | .5571662 | 9.117796 | .0064203 |

Sample Name: I6105-18      Acquired: 11/2/2017 15:40:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6645913 | .0198059 | .0182399 |
| Stddev | .0035260 | .0005915 | .0000797 |
| %RSD   | .5305458 | 2.986375 | .4369193 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6612012 | .0192325 | .0181495 |
| #2 | .6682390 | .0204139 | .0182706 |
| #3 | .6643337 | .0197713 | .0182998 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1458.426 | 2477.621 | 34539.15 | 10576.31 | 3288.827 |
| Stddev    | 14.610   | 1.891    | 174.83   | 53.92    | 3.405    |
| %RSD      | 1.001741 | .0763134 | .5061681 | .5098443 | .1035319 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1441.557 | 2479.741 | 34338.42 | 10592.21 | 3291.052 |
| #2 | 1466.786 | 2477.012 | 34620.90 | 10620.49 | 3290.521 |
| #3 | 1466.936 | 2476.110 | 34658.12 | 10516.22 | 3284.907 |

Sample Name: I6105-19      Acquired: 11/2/2017 15:44:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0602328 | .0040309 | .0781111 | -.002783 | .0031010 | 53.22474 | .1590574 |
| Stddev | .0012480 | .0006313 | .0020973 | .000961  | .0013726 | .11581   | .0004630 |
| %RSD   | 2.071938 | 15.66228 | 2.684953 | 34.51928 | 44.26384 | .2175927 | .2910792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0614397 | .0033572 | .0757094 | -.003565 | .0027614 | 53.26524 | .1587461 |
| #2 | .0603112 | .0046090 | .0790430 | -.003074 | .0019301 | 53.31486 | .1588367 |
| #3 | .0589474 | .0041265 | .0795809 | -.001711 | .0046115 | 53.09411 | .1595895 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023560 | -.001039 | 1.283185 | .1144345 | .0086269 | .0414426 | 76.63166 |
| Stddev | .0000188 | .000081  | .007545  | .0008677 | .0001368 | .0025966 | .14723   |
| %RSD   | .7963465 | 7.834258 | .5879927 | .7582284 | 1.585314 | 6.265598 | .1921233 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023718 | -.001076 | 1.281433 | .1135179 | .0085300 | .0423569 | 76.66602 |
| #2 | .0023353 | -.000946 | 1.291451 | .1145426 | .0087833 | .0385125 | 76.47029 |
| #3 | .0023610 | -.001096 | 1.276669 | .1152431 | .0085673 | .0434584 | 76.75866 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2040296 | 2.202957 | .0492572 | -.010362 | .2516109 | .2067678 | .0501746 |
| Stddev | .0003055 | .035210  | .0001622 | .000122  | .0146891 | .0025944 | .0045969 |
| %RSD   | .1497379 | 1.598321 | .3293877 | 1.179256 | 5.838003 | 1.254757 | 9.161749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2036769 | 2.218794 | .0490813 | -.010444 | .2672815 | .2064066 | .0550731 |
| #2 | .2041991 | 2.227468 | .0494010 | -.010421 | .2493963 | .2095240 | .0459549 |
| #3 | .2042128 | 2.162609 | .0492892 | -.010222 | .2381549 | .2043730 | .0494957 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.377249 | .7235214 | -.097999 | .0036009 | .5584899 | 9.015559 | .0041972 |
| Stddev | .010054  | .0065467 | .000921  | .0001469 | .0061919 | .033661  | .0039863 |
| %RSD   | 2.665130 | .9048437 | .9393171 | 4.080905 | 1.108695 | .3733683 | 94.97706 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.377921 | .7172764 | -.097060 | .0034315 | .5517478 | 9.051550 | .0047377 |
| #2 | -.366875 | .7229546 | -.098900 | .0036937 | .5639220 | 9.010275 | .0078857 |
| #3 | -.386950 | .7303331 | -.098038 | .0036775 | .5597999 | 8.984852 | -.000032 |

Sample Name: I6105-19      Acquired: 11/2/2017 15:44:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6654420 | .0200117 | .0182565 |
| Stddev | .0031601 | .0004468 | .0000247 |
| %RSD   | .4748862 | 2.232588 | .1352617 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6677404 | .0203699 | .0182806 |
| #2 | .6618384 | .0201540 | .0182576 |
| #3 | .6667474 | .0195110 | .0182312 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.909 | 2464.950 | 34176.04 | 10491.09 | 3282.507 |
| Stddev    | 1.237    | 7.658    | 82.84    | 60.38    | 9.389    |
| %RSD      | .0856174 | .3106732 | .2423955 | .5755598 | .2860185 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1445.710 | 2469.428 | 34088.15 | 10427.89 | 3286.738 |
| #2 | 1443.484 | 2469.313 | 34252.68 | 10497.19 | 3289.036 |
| #3 | 1445.533 | 2456.107 | 34187.31 | 10548.19 | 3271.748 |

Sample Name: I6105-20      Acquired: 11/2/2017 15:48:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1384591 | .1340649 | .1275651 | .0759553 | .0700099 | 67.64513 | 4.348734 |
| Stddev | .0033857 | .0007114 | .0017170 | .0004822 | .0014149 | .10916   | .007265  |
| %RSD   | 2.445291 | .5306303 | 1.345967 | .6348389 | 2.020986 | .1613737 | .1670673 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1350534 | .1333873 | .1262768 | .0753998 | .0705594 | 67.53104 | 4.340817 |
| #2 | .1384993 | .1340013 | .1269042 | .0762661 | .0684027 | 67.65576 | 4.355095 |
| #3 | .1418245 | .1348059 | .1295143 | .0761999 | .0710676 | 67.74859 | 4.350291 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1041417 | .0997335 | 1.631979 | .5664727 | 1.029282 | .5552780 | 90.31800 |
| Stddev | .0003822 | .0006258 | .023402  | .0023415 | .005700  | .0006242 | .23732   |
| %RSD   | .3670070 | .6274895 | 1.433955 | .4133533 | .5538080 | .1124112 | .2627568 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1045731 | .0992520 | 1.615077 | .5689251 | 1.024623 | .5545580 | 90.36578 |
| #2 | .1040062 | .0995077 | 1.622170 | .5642606 | 1.027585 | .5556675 | 90.52780 |
| #3 | .1038456 | .1004409 | 1.658689 | .5662324 | 1.035638 | .5556084 | 90.06044 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.323781 | 2.294483 | 1.087977 | .1225263 | .2700655 | 1.329054 | 1.187960 |
| Stddev | .003268  | .013767  | .006242  | .0007336 | .0294893 | .005334  | .007829  |
| %RSD   | .2469011 | .5999940 | .5737689 | .5987585 | 10.91933 | .4013224 | .6590352 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.326448 | 2.280821 | 1.083853 | .1232663 | .2474713 | 1.335098 | 1.190761 |
| #2 | 1.324759 | 2.308352 | 1.084919 | .1217992 | .2593003 | 1.327062 | 1.179116 |
| #3 | 1.320135 | 2.294274 | 1.095159 | .1225134 | .3034250 | 1.325004 | 1.194004 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.231005 | .7772574 | -.116041 | .0031075 | .7962985 | 9.459327 | .0068650 |
| Stddev | .022628  | .0184653 | .000753  | .0000845 | .0022876 | .030560  | .0036536 |
| %RSD   | 9.795282 | 2.375696 | .6493157 | 2.719344 | .2872732 | .3230634 | 53.21985 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.231969 | .7606794 | -.115768 | .0031397 | .7970380 | 9.491513 | .0074951 |
| #2 | -.253135 | .7739342 | -.116893 | .0030117 | .7937327 | 9.430707 | .0101626 |
| #3 | -.207911 | .7971586 | -.115462 | .0031712 | .7981248 | 9.455761 | .0029374 |



Sample Name: I6105-20      Acquired: 11/2/2017 15:48:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6169864 | .0232895 | .0189610 |
| Stddev | .0018070 | .0004638 | .0000644 |
| %RSD   | .2928813 | 1.991522 | .3397457 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6185960 | .0238232 | .0189753 |
| #2 | .6150317 | .0230610 | .0190170 |
| #3 | .6173317 | .0229842 | .0188906 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1432.282 | 2403.440 | 34175.77 | 10625.30 | 3208.313 |
| Stddev    | 13.522   | 12.674   | 140.81   | 42.74    | 20.513   |
| %RSD      | .9441063 | .5273119 | .4120058 | .4022110 | .6393824 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1417.365 | 2401.642 | 34036.33 | 10577.66 | 3215.700 |
| #2 | 1443.736 | 2416.916 | 34317.91 | 10637.94 | 3224.109 |
| #3 | 1435.743 | 2391.761 | 34173.07 | 10660.28 | 3185.129 |

Sample Name: I6105-18LX5      Acquired: 11/2/2017 15:52:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0175076 | -.000306 | .0155918 | -.000690 | .0013560 | 10.74976 | .0330234 |
| Stddev | .0020200 | .002578  | .0011237 | .001840  | .0008980 | .00765   | .0001676 |
| %RSD   | 11.53798 | 841.0853 | 7.206829 | 266.6455 | 66.22508 | .0711357 | .5075970 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0184203 | .000114  | .0157425 | -.002579 | .0011766 | 10.75272 | .0328337 |
| #2 | .0151923 | -.003069 | .0144004 | .001098  | .0023302 | 10.74107 | .0330850 |
| #3 | .0189103 | .002035  | .0166326 | -.000590 | .0005612 | 10.75549 | .0331514 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004580 | -.000333 | .2798304 | .0234281 | .0018734 | .0092948 | 15.68109 |
| Stddev | .0000600 | .000107  | .0056797 | .0000713 | .0000870 | .0004786 | .06289   |
| %RSD   | 13.09577 | 32.18528 | 2.029690 | .3044344 | 4.646234 | 5.148725 | .4010457 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003889 | -.000446 | .2757111 | .0234839 | .0018231 | .0087914 | 15.62015 |
| #2 | .0004884 | -.000321 | .2774704 | .0233477 | .0018232 | .0097438 | 15.67735 |
| #3 | .0004966 | -.000233 | .2863096 | .0234527 | .0019739 | .0093492 | 15.74576 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0418579 | .4568539 | .0104399 | -.002530 | .1298477 | .0418946 | .0032205 |
| Stddev | .0004001 | .0060878 | .0005176 | .000100  | .0423608 | .0021226 | .0023518 |
| %RSD   | .9558174 | 1.332555 | 4.958223 | 3.968738 | 32.62342 | 5.066480 | 73.02663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0421202 | .4527328 | .0110053 | -.002422 | .1288529 | .0415311 | .0055688 |
| #2 | .0420561 | .4638464 | .0099894 | -.002621 | .1726971 | .0399772 | .0032274 |
| #3 | .0413974 | .4539825 | .0103248 | -.002547 | .0879931 | .0441755 | .0008652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.771573 | .1483909 | -.024056 | .0003128 | .1252744 | 1.946423 | -.000267 |
| Stddev | .038822  | .0029811 | .000360  | .0001023 | .0030017 | .006344  | .001421  |
| %RSD   | 2.191374 | 2.008944 | 1.495948 | 32.70187 | 2.396131 | .3259367 | 531.5951 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.773778 | .1449659 | -.023644 | .0004112 | .1237201 | 1.943601 | .000860  |
| #2 | 1.731696 | .1498059 | -.024215 | .0003202 | .1287346 | 1.941979 | .000201  |
| #3 | 1.809245 | .1504011 | -.024309 | .0002070 | .1233685 | 1.953688 | -.001863 |

Sample Name: I6105-18LX5      Acquired: 11/2/2017 15:52:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1352143 | .0006452 | .0034677 |
| Stddev | .0021507 | .0003394 | .0000233 |
| %RSD   | 1.590623 | 52.61244 | .6714335 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1357084 | .0004766 | .0034742 |
| #2 | .1328596 | .0010359 | .0034871 |
| #3 | .1370751 | .0004231 | .0034419 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1457.641 | 2467.008 | 34338.00 | 10360.55 | 3448.758 |
| Stddev    | 13.296   | 15.602   | 81.27    | 27.07    | 18.894   |
| %RSD      | .9121461 | .6324327 | .2366732 | .2612614 | .5478616 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1442.319 | 2454.954 | 34306.54 | 10332.68 | 3440.497 |
| #2 | 1464.453 | 2484.630 | 34430.29 | 10362.21 | 3470.376 |
| #3 | 1466.150 | 2461.438 | 34277.16 | 10386.74 | 3435.401 |

Sample Name: I6106-12      Acquired: 11/2/2017 15:56:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0049144 | .0000650 | .0690363 | -.002125 | .0018244 | 24.54003 | .0923393 |
| Stddev | .0020225 | .0028171 | .0010005 | .000265  | .0002551 | .12304   | .0000929 |
| %RSD   | 41.15451 | 4334.163 | 1.449280 | 12.48202 | 13.98178 | .5013752 | .1006537 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026301 | -.000288 | .0688833 | -.002090 | .0021029 | 24.61221 | .0923584 |
| #2 | .0064772 | -.002559 | .0681211 | -.001880 | .0016021 | 24.39796 | .0922382 |
| #3 | .0056359 | .003042  | .0701045 | -.002407 | .0017681 | 24.60991 | .0924212 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014022 | -.000581 | .2620295 | .0770108 | .0044163 | .0279093 | 58.14393 |
| Stddev | .0000440 | .000063  | .0085928 | .0001759 | .0001926 | .0010283 | .14966   |
| %RSD   | 3.140900 | 10.87389 | 3.279343 | .2283824 | 4.361604 | 3.684578 | .2574030 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014117 | -.000644 | .2581405 | .0771111 | .0042391 | .0282231 | 58.27850 |
| #2 | .0014407 | -.000518 | .2560686 | .0768077 | .0043886 | .0267606 | 57.98274 |
| #3 | .0013541 | -.000581 | .2718793 | .0771136 | .0046213 | .0287442 | 58.17055 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0803079 | .4028719 | .0141798 | -.007687 | .2100547 | .1845994 | .0054467 |
| Stddev | .0009212 | .0034923 | .0000991 | .000341  | .0384338 | .0014899 | .0018490 |
| %RSD   | 1.147059 | .8668419 | .6988259 | 4.430255 | 18.29703 | .8071204 | 33.94693 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0793767 | .3992091 | .0140659 | -.008079 | .2037703 | .1834967 | .0034595 |
| #2 | .0812187 | .4061640 | .0142266 | -.007465 | .1751504 | .1840071 | .0057643 |
| #3 | .0803283 | .4032428 | .0142467 | -.007518 | .2512434 | .1862944 | .0071163 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.05028 | .4573638 | -.077694 | .0033282 | .4907720 | 4.748906 | .0017667 |
| Stddev | .04537   | .0037540 | .000545  | .0001554 | .0032054 | .026337  | .0023101 |
| %RSD   | 4.319993 | .8207885 | .7011411 | 4.668775 | .6531423 | .5545829 | 130.7616 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.01800 | .4537419 | -.077083 | .0032182 | .4926564 | 4.753233 | .0043635 |
| #2 | -1.10216 | .4571123 | -.077868 | .0032604 | .4870709 | 4.720674 | .0009967 |
| #3 | -1.03068 | .4612372 | -.078130 | .0035060 | .4925887 | 4.772811 | -.000060 |

Sample Name: I6106-12      Acquired: 11/2/2017 15:56:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6170468 | .0014164 | .0083569 |
| Stddev | .0032041 | .0003600 | .0001128 |
| %RSD   | .5192715 | 25.41474 | 1.349245 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6190698 | .0017667 | .0084680 |
| #2 | .6133526 | .0014349 | .0082425 |
| #3 | .6187181 | .0010475 | .0083604 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1477.985 | 2492.278 | 35221.40 | 10618.17 | 3385.705 |
| Stddev    | 5.918    | 14.464   | 36.68    | 35.83    | 16.005   |
| %RSD      | .4004031 | .5803350 | .1041400 | .3374534 | .4727223 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1484.677 | 2491.287 | 35246.94 | 10623.46 | 3389.839 |
| #2 | 1475.838 | 2507.211 | 35237.89 | 10651.06 | 3399.237 |
| #3 | 1473.441 | 2478.335 | 35179.37 | 10579.99 | 3368.039 |

Sample Name: I6106-13      Acquired: 11/2/2017 16:00:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019971 | .0000044 | .0690942 | -.001551 | .0007977 | 24.62755 | .0925658 |
| Stddev | .0028958 | .0014143 | .0023494 | .003096  | .0015552 | .00565   | .0001932 |
| %RSD   | 145.0022 | 31788.46 | 3.400354 | 199.5989 | 194.9725 | .0229282 | .2086746 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007361 | -.000883 | .0666462 | -.000234 | .0022479 | 24.62716 | .0923932 |
| #2 | -.000054 | -.000739 | .0713308 | .000669  | .0009897 | 24.62211 | .0927745 |
| #3 | .005310  | .001635  | .0693056 | -.005088 | -.000845 | 24.63338 | .0925297 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013583 | -.000710 | .2410238 | .0766257 | .0047648 | .0289085 | 57.99565 |
| Stddev | .0000005 | .000037  | .0251264 | .0003489 | .0000211 | .0008771 | .15664   |
| %RSD   | .0361151 | 5.175163 | 10.42485 | .4553826 | .4420369 | 3.033937 | .2700881 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013578 | -.000739 | .2140634 | .0768464 | .0047760 | .0295112 | 58.11169 |
| #2 | .0013585 | -.000669 | .2452202 | .0768073 | .0047405 | .0293120 | 57.81748 |
| #3 | .0013587 | -.000722 | .2637877 | .0762234 | .0047780 | .0279023 | 58.05779 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0800643 | .4076985 | .0138937 | -.007710 | .1917587 | .1811177 | .0024687 |
| Stddev | .0003891 | .0086582 | .0006082 | .000330  | .0368347 | .0042405 | .0030063 |
| %RSD   | .4859534 | 2.123683 | 4.377627 | 4.281376 | 19.20889 | 2.341272 | 121.7772 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0804469 | .4137615 | .0132569 | -.007963 | .2074175 | .1769114 | .0033309 |
| #2 | .0800768 | .3977826 | .0144686 | -.007337 | .1496817 | .1810501 | -.000875 |
| #3 | .0796691 | .4115514 | .0139555 | -.007831 | .2181768 | .1853915 | .004950  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.05814 | .4580187 | -.076418 | .0033739 | .4913194 | 4.771762 | .0033272 |
| Stddev | .04421   | .0041778 | .000638  | .0001225 | .0044339 | .015206  | .0019417 |
| %RSD   | 4.177980 | .9121509 | .8351326 | 3.630578 | .9024485 | .3186715 | 58.35728 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.00718 | .4533800 | -.076227 | .0032331 | .4871922 | 4.762229 | .0029297 |
| #2 | -1.08621 | .4614854 | -.077130 | .0034564 | .4960068 | 4.789298 | .0016151 |
| #3 | -1.08103 | .4591907 | -.075897 | .0034320 | .4907592 | 4.763757 | .0054369 |

Sample Name: I6106-13      Acquired: 11/2/2017 16:00:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6225993 | .0020772 | .0084069 |
| Stddev | .0025159 | .0005297 | .0000238 |
| %RSD   | .4040874 | 25.50013 | .2828615 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6252560 | .0021474 | .0083797 |
| #2 | .6222890 | .0015159 | .0084235 |
| #3 | .6202531 | .0025682 | .0084175 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1450.664 | 2455.254 | 34843.54 | 10568.88 | 3346.220 |
| Stddev    | .818     | 10.047   | 38.59    | 17.39    | 10.242   |
| %RSD      | .0563674 | .4092095 | .1107497 | .1645156 | .3060683 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1451.143 | 2464.837 | 34845.39 | 10548.80 | 3355.106 |
| #2 | 1451.129 | 2456.127 | 34881.18 | 10578.83 | 3348.536 |
| #3 | 1449.720 | 2444.799 | 34804.07 | 10579.01 | 3335.019 |

Sample Name: I6106-14      Acquired: 11/2/2017 16:05:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0649823 | .1313949 | .1322907 | .0742567 | .1012605 | 29.45865 | 4.274663 |
| Stddev | .0014555 | .0009744 | .0007735 | .0002658 | .0033183 | .06279   | .004211  |
| %RSD   | 2.239818 | .7416159 | .5846717 | .3579082 | 3.277007 | .2131477 | .0985165 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0659254 | .1324107 | .1316995 | .0742447 | .0985518 | 29.50093 | 4.278420 |
| #2 | .0633060 | .1313059 | .1320067 | .0739971 | .1002679 | 29.38650 | 4.270111 |
| #3 | .0657155 | .1304679 | .1331661 | .0745283 | .1049618 | 29.48851 | 4.275458 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1005595 | .0978563 | .6357503 | .5144321 | 1.008135 | .5459835 | 63.98590 |
| Stddev | .0006380 | .0007541 | .0206455 | .0020222 | .003633  | .0034932 | .24242   |
| %RSD   | .6344249 | .7706472 | 3.247427 | .3931015 | .3603869 | .6397919 | .3788720 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1012670 | .0970422 | .6224093 | .5167658 | 1.004320 | .5493313 | 63.88848 |
| #2 | .1003835 | .0979959 | .6595308 | .5133351 | 1.008531 | .5462581 | 64.26188 |
| #3 | .1000280 | .0985310 | .6253109 | .5131954 | 1.011554 | .5423612 | 63.80735 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.194082 | .4563345 | 1.030917 | .1219280 | .2381811 | 1.293748 | 1.126519 |
| Stddev | .003022  | .0169994 | .005286  | .0005065 | .0709679 | .002731  | .012669  |
| %RSD   | .2530518 | 3.725209 | .5127521 | .4154415 | 29.79578 | .2111139 | 1.124648 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.191336 | .4619550 | 1.025484 | .1224606 | .1583094 | 1.296390 | 1.119602 |
| #2 | 1.197319 | .4372366 | 1.031223 | .1218712 | .2622479 | 1.290935 | 1.118814 |
| #3 | 1.193591 | .4698119 | 1.036043 | .1214523 | .2939861 | 1.293919 | 1.141141 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.975209 | .5088620 | -.085390 | .0025870 | .4674305 | 5.127264 | .0055121 |
| Stddev | .003549  | .0029130 | .000315  | .0001248 | .0038395 | .039116  | .0005317 |
| %RSD   | .3638771 | .5724554 | .3690231 | 4.825271 | .8213961 | .7628980 | 9.646608 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.977525 | .5080824 | -.085140 | .0026795 | .4706446 | 5.166095 | .0061204 |
| #2 | -.976979 | .5120855 | -.085744 | .0026364 | .4631789 | 5.127827 | .0052802 |
| #3 | -.971124 | .5064181 | -.085287 | .0024450 | .4684681 | 5.087870 | .0051357 |



Sample Name: I6106-14      Acquired: 11/2/2017 16:05:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5700451 | .0026359 | .0136403 |
| Stddev | .0010600 | .0000870 | .0000853 |
| %RSD   | .1859443 | 3.300780 | .6250597 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5690942 | .0026470 | .0137319 |
| #2 | .5698532 | .0027169 | .0135633 |
| #3 | .5711879 | .0025439 | .0136257 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1438.949 | 2420.729 | 34647.05 | 10603.11 | 3310.247 |
| Stddev    | 2.303    | 7.932    | 86.72    | 40.15    | 3.639    |
| %RSD      | .1600313 | .3276777 | .2502906 | .3786634 | .1099413 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1438.136 | 2412.112 | 34586.91 | 10568.92 | 3311.780 |
| #2 | 1441.548 | 2427.726 | 34607.80 | 10593.09 | 3312.870 |
| #3 | 1437.164 | 2422.350 | 34746.46 | 10647.33 | 3306.093 |

Sample Name: I6106-12LX5      Acquired: 11/2/2017 16:09:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E93L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042804 | .0008027 | .0133384 | -.001879 | -.001065 | 5.047600 | .0191051 |
| Stddev | .0025464 | .0010213 | .0010028 | .000727  | .001011  | .019953  | .0002226 |
| %RSD   | 59.49029 | 127.2403 | 7.518052 | 38.67663 | 94.94425 | .3953004 | 1.165245 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020277 | .0016791 | .0122752 | -.002506 | -.002114 | 5.052233 | .0190367 |
| #2 | .0070434 | -.000319 | .0142673 | -.001082 | -.000984 | 5.064830 | .0189248 |
| #3 | .0037702 | .001048  | .0134728 | -.002047 | -.000097 | 5.025738 | .0193539 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002616 | -.000156 | .0600814 | .0158133 | .0009628 | .0071304 | 11.86197 |
| Stddev | .0000227 | .000038  | .0053515 | .0005273 | .0001262 | .0010959 | .02210   |
| %RSD   | 8.658620 | 24.51675 | 8.907121 | 3.334268 | 13.11079 | 15.36956 | .1862793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002540 | -.000196 | .0658267 | .0161036 | .0008740 | .0072092 | 11.83801 |
| #2 | .0002437 | -.000119 | .0591793 | .0152047 | .0011073 | .0059972 | 11.86635 |
| #3 | .0002870 | -.000154 | .0552383 | .0161316 | .0009070 | .0081848 | 11.88154 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0162182 | .0830999 | .0028917 | -.001664 | .0966254 | .0389376 | -.001758 |
| Stddev | .0003202 | .0112761 | .0003709 | .000049  | .0795393 | .0008368 | .001741  |
| %RSD   | 1.974051 | 13.56935 | 12.82731 | 2.938916 | 82.31718 | 2.149026 | 99.00325 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0163228 | .0712667 | .0028915 | -.001680 | .0119936 | .0390730 | -.003248 |
| #2 | .0158588 | .0843120 | .0025209 | -.001609 | .1698378 | .0380413 | .000155  |
| #3 | .0164730 | .0937210 | .0032628 | -.001703 | .1080449 | .0396984 | -.002181 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.258430 | .0959809 | -.019831 | .0001457 | .1129947 | 1.007386 | .0003138 |
| Stddev | .036908  | .0010196 | .000808  | .0001879 | .0040431 | .005140  | .0016967 |
| %RSD   | 14.28147 | 1.062274 | 4.072423 | 128.9520 | 3.578088 | .5101861 | 540.6659 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.300644 | .0968401 | -.019949 | .0003263 | .1099736 | 1.002123 | -.001641 |
| #2 | -.232254 | .0962484 | -.018970 | -.000049 | .1114229 | 1.012393 | .001405  |
| #3 | -.242393 | .0948542 | -.020573 | .000159  | .1175876 | 1.007642 | .001177  |

Sample Name: I6106-12LX5      Acquired: 11/2/2017 16:09:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E93L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1267373 | -.005191 | .0014267 |
| Stddev | .0009465 | .000488  | .0000276 |
| %RSD   | .7468527 | 9.396343 | 1.934987 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1277188 | -.004683 | .0014586 |
| #2 | .1258301 | -.005235 | .0014124 |
| #3 | .1266630 | -.005656 | .0014092 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1455.813 | 2498.301 | 34822.10 | 10421.08 | 3500.975 |
| Stddev    | 11.982   | 6.621    | 42.99    | 25.66    | 2.295    |
| %RSD      | .8230335 | .2650172 | .1234681 | .2462225 | .0655489 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1460.860 | 2496.330 | 34868.85 | 10434.75 | 3503.233 |
| #2 | 1442.133 | 2505.683 | 34813.22 | 10391.48 | 3501.048 |
| #3 | 1464.446 | 2492.889 | 34784.25 | 10437.00 | 3498.645 |

Sample Name: I6124-17      Acquired: 11/2/2017 16:13:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.260953 | .0007467 | 6.701745 | -.001279 | .0055033 | 52.09983 | .4361720 |
| Stddev | .031952  | .0006862 | .030620  | .002262  | .0013098 | .36572   | .0044189 |
| %RSD   | .6073477 | 91.89744 | .4568961 | 176.8340 | 23.79982 | .7019652 | 1.013118 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.236397 | -.000045 | 6.674651 | .000312  | .0047326 | 52.51320 | .4412553 |
| #2 | 5.249383 | .001107  | 6.695618 | -.003869 | .0070156 | 51.96795 | .4340137 |
| #3 | 5.297079 | .001178  | 6.734965 | -.000281 | .0047616 | 51.81833 | .4332469 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026549 | .0003614 | 11.58913 | .0981493 | .0092336 | 1.266131 | 62.91465 |
| Stddev | .0000856 | .0000812 | .09805   | .0004312 | .0001410 | .009666  | .49225   |
| %RSD   | 3.222655 | 22.46552 | .8460131 | .4393640 | 1.527299 | .7634437 | .7824044 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026122 | .0004548 | 11.69746 | .0978341 | .0091936 | 1.277105 | 63.46414 |
| #2 | .0027534 | .0003079 | 11.50647 | .0986407 | .0093902 | 1.262410 | 62.51400 |
| #3 | .0025991 | .0003215 | 11.56346 | .0979731 | .0091168 | 1.258878 | 62.76580 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3773987 | 1.810241 | .0374530 | -.007531 | .2649729 | .1617538 | .5858021 |
| Stddev | .0032055 | .016928  | .0004979 | .000061  | .0667195 | .0024635 | .0090611 |
| %RSD   | .8493654 | .9351118 | 1.329418 | .8149981 | 25.17973 | 1.522985 | 1.546793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3802378 | 1.829517 | .0375317 | -.007494 | .2673335 | .1643761 | .5828410 |
| #2 | .3739225 | 1.803406 | .0369204 | -.007602 | .1971044 | .1613971 | .5959734 |
| #3 | .3780356 | 1.797799 | .0379068 | -.007497 | .3304807 | .1594880 | .5785920 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0691725 | 3.507583 | -.079016 | .0033154 | 1.685963 | 3.803208 | .0177851 |
| Stddev | .0253649 | .036020  | .000293  | .0003693 | .011384  | .028507  | .0028092 |
| %RSD   | 36.66907 | 1.026922 | .3707995 | 11.14004 | .6752197 | .7495559 | 15.79502 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0948185 | 3.544376 | -.078830 | .0033405 | 1.697284 | 3.836034 | .0201571 |
| #2 | .0440983 | 3.472389 | -.079354 | .0029341 | 1.674517 | 3.784673 | .0146830 |
| #3 | .0686006 | 3.505984 | -.078864 | .0036715 | 1.686088 | 3.788916 | .0185153 |

Sample Name: I6124-17      Acquired: 11/2/2017 16:13:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4011708 | .0199045 | .0955119 |
| Stddev | .0029659 | .0001234 | .0005100 |
| %RSD   | .7393084 | .6199764 | .5339712 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4033496 | .0198371 | .0960225 |
| #2 | .4023696 | .0200469 | .0955107 |
| #3 | .3977931 | .0198294 | .0950025 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1447.097 | 2457.335 | 35068.58 | 10665.95 | 3268.882 |
| Stddev    | 4.619    | 14.507   | 56.99    | 54.26    | 14.688   |
| %RSD      | .3191720 | .5903499 | .1625031 | .5087616 | .4493233 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1441.782 | 2471.246 | 35100.20 | 10609.37 | 3280.381 |
| #2 | 1450.130 | 2458.460 | 35002.80 | 10670.92 | 3273.929 |
| #3 | 1449.380 | 2442.298 | 35102.75 | 10717.55 | 3252.336 |

Sample Name: I6124-18      Acquired: 11/2/2017 16:17:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.493103 | .0005158 | 6.816864 | .0006613 | .0064563 | 52.92701 | .4490945 |
| Stddev | .023250  | .0005596 | .022482  | .0025436 | .0017021 | .03309   | .0008979 |
| %RSD   | .4232545 | 108.4965 | .3298035 | 384.6361 | 26.36407 | .0625197 | .1999368 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.493365 | .0002082 | 6.814022 | .0027574 | .0067633 | 52.89669 | .4485470 |
| #2 | 5.469724 | .0001775 | 6.795937 | -.002168 | .0046215 | 52.92205 | .4501307 |
| #3 | 5.516221 | .0011617 | 6.840631 | .001395  | .0079840 | 52.96231 | .4486057 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026812 | .0003754 | 11.57976 | .0999137 | .0095768 | 1.288946 | 63.52508 |
| Stddev | .0001188 | .0000352 | .01224   | .0015725 | .0001219 | .005736  | .22327   |
| %RSD   | 4.429751 | 9.386738 | .1057104 | 1.573863 | 1.272619 | .4449935 | .3514673 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025497 | .0003359 | 11.57878 | .1014789 | .0096940 | 1.282563 | 63.63907 |
| #2 | .0027135 | .0003865 | 11.59247 | .0999282 | .0094507 | 1.290607 | 63.66835 |
| #3 | .0027805 | .0004037 | 11.56804 | .0983340 | .0095857 | 1.293668 | 63.26783 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3804706 | 1.846446 | .0379670 | -.007720 | .2166739 | .1620517 | .5930897 |
| Stddev | .0015776 | .019437  | .0006464 | .000445  | .0408317 | .0010251 | .0009784 |
| %RSD   | .4146512 | 1.052662 | 1.702500 | 5.766239 | 18.84478 | .6325970 | .1649675 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3817976 | 1.865076 | .0387121 | -.008233 | .1967525 | .1631426 | .5921912 |
| #2 | .3787262 | 1.847971 | .0376322 | -.007489 | .2636424 | .1619044 | .5929458 |
| #3 | .3808879 | 1.826292 | .0375567 | -.007439 | .1896267 | .1611082 | .5941321 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0833741 | 3.595917 | -.081140 | .0031974 | 1.720606 | 3.790248 | .0184234 |
| Stddev | .0646509 | .013809  | .000679  | .0000878 | .007611  | .005743  | .0051674 |
| %RSD   | 77.54317 | .3840264 | .8373822 | 2.745338 | .4423158 | .1515327 | 28.04826 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1311469 | 3.611400 | -.081914 | .0031477 | 1.728250 | 3.796850 | .0142237 |
| #2 | .1091672 | 3.584872 | -.080861 | .0031458 | 1.713029 | 3.786405 | .0241940 |
| #3 | .0098081 | 3.591480 | -.080644 | .0032988 | 1.720539 | 3.787488 | .0168526 |

Sample Name: I6124-18      Acquired: 11/2/2017 16:17:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4065155 | .0203871 | .0974548 |
| Stddev | .0010205 | .0004523 | .0002107 |
| %RSD   | .2510256 | 2.218605 | .2162036 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4054394 | .0200974 | .0973055 |
| #2 | .4066377 | .0201556 | .0973629 |
| #3 | .4074693 | .0209083 | .0976958 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1407.095 | 2349.798 | 34142.96 | 10663.12 | 3162.201 |
| Stddev    | 6.375    | 7.597    | 42.89    | 14.80    | 8.844    |
| %RSD      | .4530502 | .3233233 | .1256156 | .1387635 | .2796778 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1414.391 | 2345.461 | 34094.13 | 10648.49 | 3158.121 |
| #2 | 1404.295 | 2358.571 | 34160.23 | 10662.79 | 3172.348 |
| #3 | 1402.600 | 2345.363 | 34174.52 | 10678.08 | 3156.133 |

Sample Name: I6124-19      Acquired: 11/2/2017 16:21:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.185006 | .1254063 | 9.255808 | .0861866 | .0692386 | 62.41749 | 4.650613 |
| Stddev | .029582  | .0002550 | .029503  | .0007421 | .0006783 | .15054   | .012593  |
| %RSD   | .4117223 | .2033714 | .3187481 | .8610014 | .9796716 | .2411862 | .2707866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.211543 | .1254593 | 9.230359 | .0864379 | .0699826 | 62.46862 | 4.665111 |
| #2 | 7.153111 | .1256306 | 9.248921 | .0867704 | .0686545 | 62.24804 | 4.644341 |
| #3 | 7.190365 | .1251289 | 9.288146 | .0853515 | .0690787 | 62.53581 | 4.642387 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1002331 | .0993586 | 15.48112 | .5228264 | 1.015864 | 2.097719 | 66.82309 |
| Stddev | .0007103 | .0003749 | .08057   | .0022672 | .003205  | .007639  | .27136   |
| %RSD   | .7086342 | .3773463 | .5204091 | .4336404 | .3155244 | .3641428 | .4060829 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0999225 | .0989462 | 15.44627 | .5218736 | 1.012650 | 2.106510 | 66.86804 |
| #2 | .0997310 | .0994509 | 15.42385 | .5254145 | 1.015883 | 2.092701 | 66.53206 |
| #3 | .1010458 | .0996788 | 15.57324 | .5211911 | 1.019060 | 2.093946 | 67.06916 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.461390 | 2.142933 | 1.058207 | .1222027 | .2914370 | 1.238700 | 1.811741 |
| Stddev | .006726  | .012464  | .002505  | .0002047 | .0370552 | .008063  | .007931  |
| %RSD   | .4602611 | .5816135 | .2366881 | .1675203 | 12.71466 | .6509441 | .4377711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.459250 | 2.154435 | 1.055714 | .1222269 | .3248624 | 1.229424 | 1.808851 |
| #2 | 1.455994 | 2.144673 | 1.058183 | .1223943 | .2515911 | 1.244037 | 1.820712 |
| #3 | 1.468926 | 2.129690 | 1.060723 | .1219870 | .2978574 | 1.242639 | 1.805660 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4271135 | 4.340147 | -.082625 | .0032711 | 2.123365 | 7.505547 | .0242089 |
| Stddev | .0413284 | .033448  | .001410  | .0001502 | .011565  | .059794  | .0035904 |
| %RSD   | 9.676217 | .7706606 | 1.706317 | 4.591502 | .5446499 | .7966706 | 14.83082 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4158652 | 4.317839 | -.081138 | .0034446 | 2.121105 | 7.477175 | .0277508 |
| #2 | .3925737 | 4.323995 | -.083943 | .0031848 | 2.113097 | 7.465221 | .0243041 |
| #3 | .4729016 | 4.378605 | -.082795 | .0031841 | 2.135893 | 7.574246 | .0205719 |



Sample Name: I6124-19      Acquired: 11/2/2017 16:21:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4202210 | .0259605 | .1211803 |
| Stddev | .0016927 | .0004817 | .0000703 |
| %RSD   | .4028107 | 1.855486 | .0580331 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4220869 | .0265042 | .1211702 |
| #2 | .4187840 | .0255870 | .1212552 |
| #3 | .4197923 | .0257902 | .1211156 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1401.857 | 2384.044 | 34098.26 | 10615.09 | 3165.922 |
| Stddev    | 4.706    | 8.983    | 57.03    | 70.64    | 4.758    |
| %RSD      | .3357088 | .3768094 | .1672550 | .6654383 | .1503022 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1396.712 | 2374.459 | 34069.45 | 10596.86 | 3161.706 |
| #2 | 1405.944 | 2392.271 | 34061.38 | 10693.06 | 3171.081 |
| #3 | 1402.916 | 2385.403 | 34163.95 | 10555.36 | 3164.978 |

Sample Name: I6124-17LX5      Acquired: 11/2/2017 16:25:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC6L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.054458 | -.000824 | 1.368959 | -.001101 | .0009802 | 10.15134 | .0872424 |
| Stddev | .008325  | .002616  | .006726  | .001086  | .0009182 | .12455   | .0009997 |
| %RSD   | .7894948 | 317.3043 | .4913149 | 98.66104 | 93.68058 | 1.226937 | 1.145885 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.063931 | -.003602 | 1.367735 | -.000358 | .0013227 | 10.00780 | .0864715 |
| #2 | 1.048309 | .001593  | 1.362930 | -.002348 | .0016778 | 10.23088 | .0883719 |
| #3 | 1.051133 | -.000465 | 1.376214 | -.000598 | -.000060 | 10.21535 | .0868837 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005710 | .0000294 | 2.302651 | .0202374 | .0018967 | .2524773 | 12.58858 |
| Stddev | .0000272 | .0000847 | .043814  | .0005467 | .0000635 | .0049859 | .23682   |
| %RSD   | 4.758944 | 287.8387 | 1.902781 | 2.701488 | 3.346957 | 1.974800 | 1.881196 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005856 | .0001183 | 2.252787 | .0197267 | .0018245 | .2468004 | 12.31514 |
| #2 | .0005397 | -.000050 | 2.320172 | .0208141 | .0019439 | .2561458 | 12.72751 |
| #3 | .0005878 | .000020  | 2.334994 | .0201713 | .0019217 | .2544856 | 12.72308 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0757475 | .3804193 | .0074115 | -.001804 | .1118790 | .0338524 | .1080509 |
| Stddev | .0015320 | .0103293 | .0003069 | .000087  | .0512394 | .0012960 | .0023887 |
| %RSD   | 2.022558 | 2.715234 | 4.140951 | 4.808713 | 45.79896 | 3.828367 | 2.210678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0741192 | .3763281 | .0077658 | -.001847 | .1601355 | .0335701 | .1069480 |
| #2 | .0759626 | .3921675 | .0072304 | -.001860 | .0581034 | .0327208 | .1107917 |
| #3 | .0771606 | .3727624 | .0072381 | -.001704 | .1173981 | .0352663 | .1064130 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.718762 | .6961240 | -.018513 | .0002753 | .3459534 | .8077498 | .0031601 |
| Stddev | .131516  | .0049045 | .000912  | .0000924 | .0038071 | .0106328 | .0009108 |
| %RSD   | 7.651791 | .7045458 | 4.924147 | 33.56536 | 1.100469 | 1.316354 | 28.82046 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.567605 | .6918105 | -.017674 | .0003814 | .3457437 | .7954758 | .0039398 |
| #2 | 1.781681 | .6951028 | -.019483 | .0002316 | .3422554 | .8136258 | .0033814 |
| #3 | 1.806999 | .7014587 | -.018383 | .0002128 | .3498610 | .8141479 | .0021591 |

Sample Name: I6124-17LX5      Acquired: 11/2/2017 16:25:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EC6L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0791541 | .0000900 | .0186997 |
| Stddev | .0013498 | .0008250 | .0002470 |
| %RSD   | 1.705336 | 916.0928 | 1.321076 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0777221 | -.000705 | .0184354 |
| #2 | .0804031 | .000033  | .0189247 |
| #3 | .0793370 | .000942  | .0187389 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1466.819 | 2522.775 | 34916.69 | 10481.16 | 3507.062 |
| Stddev    | 4.133    | 15.791   | 171.36   | 135.70   | 13.118   |
| %RSD      | .2817860 | .6259367 | .4907735 | 1.294696 | .3740423 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1466.250 | 2504.949 | 34722.25 | 10637.84 | 3492.001 |
| #2 | 1471.208 | 2528.367 | 35045.67 | 10401.44 | 3513.196 |
| #3 | 1463.000 | 2535.009 | 34982.15 | 10404.19 | 3515.989 |

Sample Name: I6125-04      Acquired: 11/2/2017 16:29:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0401742 | .0034199 | .0931568 | -.000448 | .0011843 | 42.37666 | .1348068 |
| Stddev | .0028872 | .0029815 | .0009407 | .002372  | .0003474 | .13510   | .0005771 |
| %RSD   | 7.186597 | 87.17897 | 1.009756 | 529.4159 | 29.33558 | .3188091 | .4281220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0429444 | -.000021 | .0921342 | .000353  | .0014509 | 42.30291 | .1354548 |
| #2 | .0371828 | .005055  | .0939852 | .001420  | .0007914 | 42.29449 | .1343482 |
| #3 | .0403953 | .005226  | .0933511 | -.003117 | .0013106 | 42.53259 | .1346173 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014113 | -.000606 | .6963350 | .1218036 | .0047270 | .0457837 | 49.84242 |
| Stddev | .0000263 | .000016  | .0292540 | .0002483 | .0001506 | .0021756 | .35777   |
| %RSD   | 1.864921 | 2.576014 | 4.201141 | .2038315 | 3.185071 | 4.751917 | .7177922 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013829 | -.000618 | .7090912 | .1215172 | .0045946 | .0437369 | 50.24845 |
| #2 | .0014349 | -.000588 | .7170449 | .1219585 | .0046956 | .0455455 | 49.70538 |
| #3 | .0014161 | -.000612 | .6628690 | .1219350 | .0048908 | .0480686 | 49.57344 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0421833 | .8653566 | .0260839 | -.006892 | .2077774 | .2515340 | .0831042 |
| Stddev | .0008537 | .0187849 | .0001758 | .000277  | .0584625 | .0047043 | .0053985 |
| %RSD   | 2.023809 | 2.170774 | .6741717 | 4.014347 | 28.13709 | 1.870253 | 6.496029 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0422752 | .8840901 | .0261973 | -.006636 | .1747103 | .2531247 | .0848747 |
| #2 | .0429874 | .8465206 | .0261730 | -.006853 | .2752794 | .2462406 | .0873951 |
| #3 | .0412874 | .8654591 | .0258813 | -.007185 | .1733423 | .2552368 | .0770428 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.547788 | 1.326773 | -.063374 | .0058444 | .6998241 | 1.888574 | .0045927 |
| Stddev | .033255  | .014106  | .000879  | .0001922 | .0029506 | .008948  | .0008448 |
| %RSD   | 6.070774 | 1.063195 | 1.387703 | 3.287844 | .4216190 | .4737890 | 18.39362 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.521263 | 1.343005 | -.064368 | .0060621 | .7027243 | 1.898452 | .0038539 |
| #2 | -.537004 | 1.319835 | -.062698 | .0057728 | .6968255 | 1.886255 | .0044106 |
| #3 | -.585096 | 1.317479 | -.063055 | .0056983 | .6999227 | 1.881013 | .0055138 |

Sample Name: I6125-04      Acquired: 11/2/2017 16:29:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5954720 | .0123736 | .0169404 |
| Stddev | .0014639 | .0006907 | .0000902 |
| %RSD   | .2458379 | 5.581637 | .5322932 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5938146 | .0118258 | .0169351 |
| #2 | .5960133 | .0121455 | .0168531 |
| #3 | .5965882 | .0131494 | .0170332 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1485.208 | 2520.487 | 35320.53 | 10810.64 | 3330.944 |
| Stddev    | 7.445    | 13.422   | 69.08    | 53.20    | 15.746   |
| %RSD      | .5012827 | .5325075 | .1955680 | .4921419 | .4727316 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1478.070 | 2526.762 | 35240.77 | 10750.27 | 3340.079 |
| #2 | 1484.628 | 2529.621 | 35359.68 | 10830.94 | 3339.992 |
| #3 | 1492.926 | 2505.077 | 35361.13 | 10850.70 | 3312.762 |

Sample Name: I6125-05      Acquired: 11/2/2017 16:33:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0409879 | .0018444 | .0910882 | .0013788 | .0019812 | 42.55501 | .1360377 |
| Stddev | .0030254 | .0022005 | .0015331 | .0013081 | .0005642 | .02819   | .0004624 |
| %RSD   | 7.381295 | 119.3084 | 1.683137 | 94.87402 | 28.48016 | .0662332 | .3399401 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0442482 | .0008142 | .0895556 | -.000113 | .0013331 | 42.56370 | .1364323 |
| #2 | .0404443 | .0043711 | .0926219 | .002330  | .0022474 | 42.52351 | .1361518 |
| #3 | .0382710 | .0003480 | .0910871 | .001919  | .0023631 | 42.57783 | .1355288 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013473 | -.000642 | .7262606 | .1214098 | .0045509 | .0477219 | 49.53446 |
| Stddev | .0000932 | .000055  | .0115356 | .0001186 | .0002224 | .0012614 | .24293   |
| %RSD   | 6.915752 | 8.577090 | 1.588358 | .0976534 | 4.887095 | 2.643332 | .4904238 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013745 | -.000705 | .7386455 | .1213049 | .0046881 | .0490454 | 49.56335 |
| #2 | .0012435 | -.000603 | .7158218 | .1215384 | .0042943 | .0475870 | 49.76165 |
| #3 | .0014238 | -.000618 | .7243145 | .1213860 | .0046703 | .0465333 | 49.27838 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0420231 | .8656316 | .0263873 | -.006641 | .1569126 | .2560117 | .0849951 |
| Stddev | .0008334 | .0149154 | .0008227 | .000041  | .0527214 | .0050481 | .0027515 |
| %RSD   | 1.983139 | 1.723061 | 3.117857 | .6204135 | 33.59922 | 1.971813 | 3.237257 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0427003 | .8644811 | .0266171 | -.006684 | .2103162 | .2514855 | .0829254 |
| #2 | .0422767 | .8810889 | .0254741 | -.006636 | .1049010 | .2614557 | .0839423 |
| #3 | .0410924 | .8513248 | .0270707 | -.006602 | .1555205 | .2550939 | .0881175 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.555832 | 1.320513 | -.063681 | .0058268 | .6985480 | 1.857281 | .0032411 |
| Stddev | .019075  | .026909  | .001176  | .0002778 | .0062474 | .015386  | .0005943 |
| %RSD   | 3.431772 | 2.037734 | 1.845921 | 4.768389 | .8943486 | .8284354 | 18.33548 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.568495 | 1.291350 | -.065025 | .0058725 | .6917158 | 1.874668 | .0033987 |
| #2 | -.565107 | 1.325809 | -.063175 | .0055290 | .7039695 | 1.851754 | .0037408 |
| #3 | -.533893 | 1.344379 | -.062844 | .0060790 | .6999586 | 1.845422 | .0025840 |

Sample Name: I6125-05      Acquired: 11/2/2017 16:33:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5964712 | .0123615 | .0170291 |
| Stddev | .0016858 | .0002254 | .0000357 |
| %RSD   | .2826206 | 1.823503 | .2094207 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5973506 | .0123058 | .0170269 |
| #2 | .5975354 | .0126096 | .0170657 |
| #3 | .5945276 | .0121692 | .0169945 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1465.105 | 2450.669 | 35003.99 | 10811.85 | 3271.222 |
| Stddev    | 10.199   | 5.896    | 7.68     | 51.70    | 7.083    |
| %RSD      | .6961096 | .2405772 | .0219334 | .4781742 | .2165229 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1456.777 | 2455.210 | 35012.32 | 10785.13 | 3277.217 |
| #2 | 1476.480 | 2452.792 | 34997.19 | 10778.97 | 3273.043 |
| #3 | 1462.058 | 2444.006 | 35002.48 | 10871.44 | 3263.407 |

Sample Name: I6125-06      Acquired: 11/2/2017 16:37:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1158589 | .1333223 | .1286539 | .0804774 | .0978330 | 46.42713 | 4.177591 |
| Stddev | .0015283 | .0032240 | .0020834 | .0004776 | .0006922 | .10793   | .003829  |
| %RSD   | 1.319087 | 2.418215 | 1.619371 | .5934420 | .7075158 | .2324631 | .0916458 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1157727 | .1325429 | .1275787 | .0799353 | .0972197 | 46.31083 | 4.181807 |
| #2 | .1174284 | .1305594 | .1273278 | .0808363 | .0976957 | 46.52405 | 4.176633 |
| #3 | .1143755 | .1368646 | .1310553 | .0806604 | .0985835 | 46.44650 | 4.174332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0991701 | .0981857 | .4636423 | .6804574 | 1.007382 | .5488108 | 72.59465 |
| Stddev | .0001404 | .0003039 | .0104973 | .0079449 | .001181  | .0006260 | .26803   |
| %RSD   | .1415205 | .3094778 | 2.264096 | 1.167581 | .1171871 | .1140741 | .3692140 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0992957 | .0978500 | .4719914 | .6840063 | 1.007279 | .5485781 | 72.87951 |
| #2 | .0990186 | .0982652 | .4518577 | .6860092 | 1.006257 | .5495199 | 72.34743 |
| #3 | .0991960 | .0984419 | .4670778 | .6713566 | 1.008611 | .5483344 | 72.55702 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.109808 | .7392278 | 1.040254 | .1191615 | .1860136 | 1.386074 | 1.157827 |
| Stddev | .003663  | .0041352 | .001090  | .0013145 | .0628180 | .004856  | .020807  |
| %RSD   | .3300736 | .5593930 | .1047715 | 1.103111 | 33.77065 | .3503255 | 1.797093 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.113742 | .7426073 | 1.039198 | .1194608 | .1976538 | 1.380518 | 1.147097 |
| #2 | 1.106495 | .7346167 | 1.040191 | .1203005 | .1181897 | 1.389502 | 1.181809 |
| #3 | 1.109188 | .7404592 | 1.041375 | .1177231 | .2421975 | 1.388202 | 1.144576 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.495590 | 1.388428 | -.095339 | .0095266 | .7254457 | 2.321532 | .0043526 |
| Stddev | .010474  | .026484  | .000749  | .0003318 | .0038190 | .007965  | .0030786 |
| %RSD   | 2.113394 | 1.907464 | .7860381 | 3.483166 | .5264372 | .3430926 | 70.72948 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.492329 | 1.359092 | -.095970 | .0091515 | .7219421 | 2.312926 | .0078818 |
| #2 | -.507306 | 1.410575 | -.094511 | .0097820 | .7248783 | 2.323024 | .0029566 |
| #3 | -.487134 | 1.395616 | -.095537 | .0096463 | .7295166 | 2.328645 | .0022193 |



Sample Name: I6125-06      Acquired: 11/2/2017 16:37:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4996237 | .0107986 | .0171689 |
| Stddev | .0051496 | .0004182 | .0000411 |
| %RSD   | 1.030691 | 3.872616 | .2390672 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4939461 | .0103268 | .0171404 |
| #2 | .5009324 | .0109452 | .0172160 |
| #3 | .5039928 | .0111237 | .0171504 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1492.720 | 2494.593 | 35568.96 | 10934.98 | 3307.417 |
| Stddev    | 19.046   | 6.373    | 430.97   | 26.43    | 7.132    |
| %RSD      | 1.275933 | .2554600 | 1.211643 | .2416725 | .2156338 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1493.964 | 2487.478 | 35300.69 | 10905.47 | 3299.189 |
| #2 | 1473.083 | 2496.525 | 35340.10 | 10956.47 | 3311.249 |
| #3 | 1511.114 | 2499.776 | 36066.07 | 10942.99 | 3311.815 |

Sample Name: I6125-04LX5      Acquired: 11/2/2017 16:41:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED3L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0120544 | -.000432 | .0174502 | -.001165 | .0005942 | 8.345595 | .0271229 |
| Stddev | .0014325 | .000992  | .0003626 | .001581  | .0005227 | .018651  | .0001862 |
| %RSD   | 11.88383 | 229.7703 | 2.077875 | 135.6954 | 87.96261 | .2234860 | .6863750 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0111626 | -.000869 | .0177255 | .000614  | .0004054 | 8.340485 | .0271846 |
| #2 | .0112939 | .000704  | .0175858 | -.001701 | .0011851 | 8.366268 | .0272703 |
| #3 | .0137069 | -.001130 | .0170394 | -.002408 | .0001922 | 8.330031 | .0269137 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002737 | -.000253 | .1368519 | .0235259 | .0009397 | .0096564 | 9.951658 |
| Stddev | .0000374 | .000068  | .0116676 | .0005632 | .0002580 | .0009954 | .072914  |
| %RSD   | 13.64922 | 26.89729 | 8.525713 | 2.393744 | 27.45377 | 10.30779 | .7326781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002915 | -.000320 | .1290399 | .0234618 | .0008144 | .0089110 | 9.868511 |
| #2 | .0002988 | -.000184 | .1502638 | .0241183 | .0007683 | .0092714 | 9.981769 |
| #3 | .0002308 | -.000255 | .1312520 | .0229975 | .0012364 | .0107867 | 10.00469 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0082739 | .1918435 | .0053266 | -.001566 | .0461585 | .0513852 | .0147959 |
| Stddev | .0004201 | .0112348 | .0002572 | .000361  | .1083056 | .0035961 | .0021343 |
| %RSD   | 5.077095 | 5.856252 | 4.829232 | 23.04494 | 234.6383 | 6.998276 | 14.42479 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0087574 | .2040885 | .0051688 | -.001963 | .1067575 | .0555249 | .0123420 |
| #2 | .0080667 | .1894314 | .0056235 | -.001476 | -.078882 | .0495970 | .0162207 |
| #3 | .0079977 | .1820107 | .0051876 | -.001258 | .110600  | .0490338 | .0158249 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.678575 | .2581714 | -.016606 | .0008034 | .1492495 | .4069326 | -.001825 |
| Stddev | .042963  | .0089774 | .000284  | .0000890 | .0080052 | .0016863 | .002342  |
| %RSD   | 2.559478 | 3.477317 | 1.711335 | 11.08086 | 5.363611 | .4143918 | 128.3096 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.649226 | .2607987 | -.016915 | .0007016 | .1495290 | .4053352 | -.003922 |
| #2 | 1.658611 | .2481734 | -.016546 | .0008419 | .1411082 | .4086955 | .000702  |
| #3 | 1.727887 | .2655421 | -.016356 | .0008667 | .1571112 | .4067669 | -.002255 |

Sample Name: I6125-04LX5      Acquired: 11/2/2017 16:41:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED3L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1176053 | -.001972 | .0031195 |
| Stddev | .0007653 | .000593  | .0000225 |
| %RSD   | .6506996 | 30.07636 | .7195675 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1184886 | -.001856 | .0030979 |
| #2 | .1171855 | -.001445 | .0031427 |
| #3 | .1171417 | -.002615 | .0031179 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1480.625 | 2547.929 | 34909.13 | 10352.94 | 3538.096 |
| Stddev    | 14.959   | 6.875    | 165.95   | 12.77    | 7.634    |
| %RSD      | 1.010294 | .2698456 | .4753711 | .1233886 | .2157732 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1465.096 | 2541.304 | 34837.03 | 10338.90 | 3530.615 |
| #2 | 1481.840 | 2547.452 | 34791.42 | 10356.05 | 3545.875 |
| #3 | 1494.939 | 2555.030 | 35098.93 | 10363.88 | 3537.800 |

Sample Name: I6161-16      Acquired: 11/2/2017 16:45:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0306403 | -.001369 | .0505752 | .0008501 | .0006794 | 49.00355 | .2242863 |
| Stddev | .0036740 | .001539  | .0012169 | .0026369 | .0011325 | .48248   | .0023051 |
| %RSD   | 11.99076 | 112.4461 | 2.406189 | 310.1804 | 166.6850 | .9845904 | 1.027742 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0265184 | .000365  | .0519776 | .0034529 | .0013833 | 48.80813 | .2243280 |
| #2 | .0335705 | -.001898 | .0499519 | .0009171 | -.000627 | 48.64944 | .2219606 |
| #3 | .0318320 | -.002574 | .0497963 | -.001820 | .001282  | 49.55309 | .2265702 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016359 | -.000369 | 4.262182 | .0629336 | .0060917 | .0279218 | 25.30384 |
| Stddev | .0000537 | .000072  | .045828  | .0004479 | .0000779 | .0010390 | .23580   |
| %RSD   | 3.279851 | 19.47642 | 1.075213 | .7117114 | 1.278994 | 3.721179 | .9318602 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016561 | -.000307 | 4.247581 | .0626065 | .0060120 | .0291095 | 25.28631 |
| #2 | .0015751 | -.000448 | 4.225433 | .0634441 | .0060954 | .0271811 | 25.07730 |
| #3 | .0016765 | -.000352 | 4.313531 | .0627501 | .0061677 | .0274748 | 25.54791 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1445219 | 2.222261 | .0258881 | -.003661 | .2013643 | .0753889 | .0686829 |
| Stddev | .0015154 | .023737  | .0004881 | .000324  | .0420274 | .0015369 | .0016703 |
| %RSD   | 1.048542 | 1.068144 | 1.885229 | 8.850998 | 20.87131 | 2.038573 | 2.431940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1445473 | 2.201622 | .0259597 | -.003475 | .1646491 | .0742299 | .0680898 |
| #2 | .1429940 | 2.216963 | .0253682 | -.003473 | .2472046 | .0771322 | .0673901 |
| #3 | .1460244 | 2.248200 | .0263364 | -.004035 | .1922393 | .0748047 | .0705689 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.987262 | 2.534599 | -.029661 | .0020424 | .3711364 | 5.918613 | .0023650 |
| Stddev | .022508  | .029701  | .000777  | .0000562 | .0098693 | .047395  | .0027066 |
| %RSD   | 2.279791 | 1.171810 | 2.621067 | 2.753233 | 2.659209 | .8007845 | 114.4436 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.978057 | 2.504312 | -.030548 | .0020071 | .3809216 | 5.958530 | -.000579 |
| #2 | -.970816 | 2.535809 | -.029102 | .0021072 | .3611851 | 5.866231 | .004746  |
| #3 | -1.01291 | 2.563676 | -.029332 | .0020129 | .3713027 | 5.931079 | .002927  |

Sample Name: I6161-16      Acquired: 11/2/2017 16:45:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3525235 | .0169419 | .0386963 |
| Stddev | .0022295 | .0010019 | .0002125 |
| %RSD   | .6324368 | 5.913921 | .5492062 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3509457 | .0167999 | .0386355 |
| #2 | .3515508 | .0160184 | .0385209 |
| #3 | .3550741 | .0180072 | .0389326 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1449.280 | 2438.301 | 34632.91 | 10722.59 | 3321.115 |
| Stddev    | 9.454    | 17.618   | 108.53   | 58.44    | 19.269   |
| %RSD      | .6523537 | .7225694 | .3133739 | .5450000 | .5801855 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1458.758 | 2457.603 | 34757.97 | 10716.87 | 3340.814 |
| #2 | 1449.232 | 2434.217 | 34563.35 | 10783.68 | 3320.223 |
| #3 | 1439.849 | 2423.084 | 34577.43 | 10667.23 | 3302.307 |

Sample Name: I6161-17      Acquired: 11/2/2017 16:49:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0280516 | -.001969 | .0477798 | .0029503 | .0015147 | 49.48340 | .2295509 |
| Stddev | .0022050 | .001003  | .0004711 | .0032526 | .0013616 | .25314   | .0021360 |
| %RSD   | 7.860490 | 50.97228 | .9859836 | 110.2453 | 89.89260 | .5115660 | .9305171 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0305909 | -.001172 | .0479436 | .0001832 | .0002182 | 49.67945 | .2314312 |
| #2 | .0269425 | -.003096 | .0472487 | .0065331 | .0013928 | 49.19762 | .2272284 |
| #3 | .0266214 | -.001638 | .0481472 | .0021346 | .0029332 | 49.57313 | .2299932 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015252 | -.000410 | 4.210173 | .0621153 | .0062057 | .0279113 | 25.25798 |
| Stddev | .0000681 | .000052  | .053236  | .0004016 | .0001339 | .0008471 | .25291   |
| %RSD   | 4.461541 | 12.59173 | 1.264454 | .6464828 | 2.156932 | 3.034909 | 1.001299 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015111 | -.000417 | 4.235157 | .0616519 | .0062576 | .0279006 | 25.37898 |
| #2 | .0014654 | -.000356 | 4.149041 | .0623327 | .0060536 | .0270696 | 24.96730 |
| #3 | .0015992 | -.000458 | 4.246322 | .0623614 | .0063058 | .0287636 | 25.42765 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1442709 | 2.208812 | .0255261 | -.003547 | .1978152 | .0775039 | .0717964 |
| Stddev | .0017382 | .009920  | .0001628 | .000189  | .0321634 | .0010198 | .0054328 |
| %RSD   | 1.204816 | .4491251 | .6379360 | 5.335843 | 16.25932 | 1.315743 | 7.566881 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1457827 | 2.220145 | .0254434 | -.003331 | .2317979 | .0771951 | .0655888 |
| #2 | .1423717 | 2.201704 | .0257137 | -.003627 | .1937995 | .0766743 | .0756835 |
| #3 | .1446583 | 2.204586 | .0254213 | -.003683 | .1678482 | .0786424 | .0741171 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.05635 | 2.525441 | -.030474 | .0021614 | .3659781 | 5.872729 | .0026614 |
| Stddev | .00602   | .042825  | .001282  | .0002038 | .0015262 | .076970  | .0027578 |
| %RSD   | .5701418 | 1.695732 | 4.206428 | 9.431756 | .4170137 | 1.310629 | 103.6209 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.06304 | 2.505045 | -.031298 | .0023502 | .3667146 | 5.940864 | .0013029 |
| #2 | -1.05137 | 2.496627 | -.028997 | .0019452 | .3642234 | 5.789240 | .0008464 |
| #3 | -1.05464 | 2.574651 | -.031127 | .0021887 | .3669964 | 5.888084 | .0058349 |

Sample Name: I6161-17      Acquired: 11/2/2017 16:49:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3534721 | .0175545 | .0392197 |
| Stddev | .0011024 | .0003118 | .0002352 |
| %RSD   | .3118725 | 1.776271 | .5998130 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3530852 | .0177523 | .0393466 |
| #2 | .3526154 | .0177162 | .0389482 |
| #3 | .3547158 | .0171951 | .0393642 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1413.542 | 2408.365 | 34081.77 | 10682.61 | 3291.882 |
| Stddev    | 2.409    | 5.472    | 16.69    | 90.33    | 11.489   |
| %RSD      | .1704516 | .2271876 | .0489798 | .8456038 | .3490110 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1410.778 | 2403.871 | 34062.59 | 10603.46 | 3291.536 |
| #2 | 1414.647 | 2414.458 | 34089.66 | 10781.02 | 3303.539 |
| #3 | 1415.201 | 2406.766 | 34093.05 | 10663.35 | 3280.569 |

Sample Name: CCV028      Acquired: 11/2/2017 16:53:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV028      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.042687 | 4.789983 | 24.24008 | 4.783186 | 4.822573 | F 285.4862 |
| Stddev | .039915  | .010056  | .12927   | .024335  | .034376  | 3.4462     |
| %RSD   | .7915475 | .2099467 | .5332866 | .5087560 | .7128071 | 1.207130   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.077368 | 4.801581 | 24.22827 | 4.801845 | 4.833368 | 286.1865 |
| #2 | 4.999057 | 4.784684 | 24.11712 | 4.755661 | 4.784095 | 281.7437 |
| #3 | 5.051638 | 4.783684 | 24.37485 | 4.792052 | 4.850255 | 288.5285 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.833175 | .5028121 | 2.484185 | F 317.0866 | 15.21464 | 2.471533 |
| Stddev | .051922  | .0006735 | .011652  | 1.5009     | .03540   | .011899  |
| %RSD   | .5280246 | .1339553 | .4690366 | .4733483   | .2326991 | .4814605 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.808791 | .5026596 | 2.481751 | 316.6544 | 15.20756 | 2.470768 |
| #2 | 9.797934 | .5035488 | 2.473943 | 315.8492 | 15.25304 | 2.460034 |
| #3 | 9.892800 | .5022279 | 2.496862 | 318.7562 | 15.18330 | 2.483796 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.83394 | F 305.7930 | 14.84448 | F 320.2959 | 2.454592 | 1.228557 |
| Stddev | .04699   | 1.2133     | .07644   | 1.4745     | .010450  | .002678  |
| %RSD   | .3167826 | .3967803   | .5149374 | .4603633   | .4257371 | .2179555 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.80632 | 305.7896 | 14.82073 | 320.3583 | 2.453797 | 1.231009 |
| #2 | 14.80731 | 304.5813 | 14.78274 | 318.7911 | 2.444563 | 1.228961 |
| #3 | 14.88820 | 307.0079 | 14.92998 | 321.7382 | 2.465418 | 1.225699 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 285.7698 | 2.451658 | 15.34081 | 148.6707 | 5.168394 | 4.633192 |
| Stddev | 1.5615     | .002468  | .02277   | .6012    | .029576  | .012562  |
| %RSD   | .5464363   | .1006808 | .1484485 | .4043581 | .5722545 | .2711313 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 285.9754 | 2.452187 | 15.31913 | 148.2051 | 5.200560 | 4.642815 |
| #2 | 284.1156 | 2.453818 | 15.33877 | 148.4576 | 5.162249 | 4.618980 |
| #3 | 287.2183 | 2.448967 | 15.36454 | 149.3494 | 5.142372 | 4.637780 |



Sample Name: CCV028      Acquired: 11/2/2017 16:53:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV028      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.752049 | 5.063481 | 4.922949 | 4.848711 | 4.960665 | 4.952446 |
| Stddev | .025223  | .011125  | .005536  | .009723  | .017194  | .019410  |
| %RSD   | .5307740 | .2197141 | .1124564 | .2005325 | .3466009 | .3919264 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.762546 | 5.073337 | 4.929259 | 4.857102 | 4.941621 | 4.964969 |
| #2 | 4.723273 | 5.065687 | 4.918906 | 4.838055 | 4.965327 | 4.930087 |
| #3 | 4.770328 | 5.051417 | 4.920683 | 4.850974 | 4.975046 | 4.962282 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.990603 |
| Stddev | .022111  |
| %RSD   | .4430436 |

|    |          |
|----|----------|
| #1 | 4.969485 |
| #2 | 5.013588 |
| #3 | 4.988735 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1164.328 | 1975.815 | 28675.12 | 9661.368 | 2375.670 |
| Stddev    | 3.489    | 11.761   | 15.93    | 22.326   | 10.137   |
| %RSD      | .2996388 | .5952566 | .0555411 | .2310844 | .4267008 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1160.301 | 1967.200 | 28673.81 | 9660.397 | 2369.768 |
| #2 | 1166.417 | 1989.214 | 28659.89 | 9684.163 | 2387.375 |
| #3 | 1166.267 | 1971.031 | 28691.66 | 9639.543 | 2369.867 |

Sample Name: CCB028      Acquired: 11/2/2017 16:58:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB028      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012161 | .0011027 | .0009046 | -.001857 | .0001217 | .0066056 | .0006666 |
| Stddev | .0012557 | .0009824 | .0002843 | .001359  | .0007183 | .0042033 | .0002433 |
| %RSD   | 103.2570 | 89.09546 | 31.42484 | 73.15942 | 590.0875 | 63.63196 | 36.49512 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023901 | .0011885 | .0012316 | -.003421 | .0008557 | .0114567 | .0009092 |
| #2 | .0013661 | .0020394 | .0007659 | -.000969 | .0000893 | .0043121 | .0006679 |
| #3 | -.000108 | .0000801 | .0007164 | -.001181 | -.000580 | .0040480 | .0004227 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000056 | -.000087 | .0164075 | .0006503 | -.000069 | .0009884 | .0139403 |
| Stddev | .000045  | .000093  | .0041294 | .0002835 | .000240  | .0011219 | .0050699 |
| %RSD   | 80.62395 | 107.7937 | 25.16777 | 43.60067 | 349.3323 | 113.5084 | 36.36895 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000090 | -.000133 | .0210414 | .0009758 | .000135  | -.000088 | .0190021 |
| #2 | -.000005 | .000021  | .0131172 | .0005187 | -.000007 | .002151  | .0088623 |
| #3 | -.000072 | -.000148 | .0150641 | .0004565 | -.000333 | .000903  | .0139566 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006650 | .0321783 | .0000635 | -.000106 | .0225775 | .0005780 | -.005657 |
| Stddev | .0002670 | .0078693 | .0002444 | .000178  | .0452563 | .0021416 | .002557  |
| %RSD   | 40.15231 | 24.45521 | 385.2246 | 167.4443 | 200.4484 | 370.4999 | 45.20865 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009078 | .0408910 | -.000191 | -.000294 | .0107135 | .0017516 | -.005728 |
| #2 | .0007082 | .0300563 | .000296  | -.000087 | -.015565 | .0018763 | -.003065 |
| #3 | .0003790 | .0255877 | .000085  | .000061  | .072584  | -.001894 | -.008178 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.035767 | .0000533 | .0013281 | .0005512 | .0100439 | -.003833 | .0000636 |
| Stddev | .030925  | .0017896 | .0005879 | .0002338 | .0029520 | .001199  | .0018843 |
| %RSD   | 86.46136 | 3357.405 | 44.26957 | 42.42056 | 29.39071 | 31.28418 | 2962.575 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.070965 | -.000298 | .0016855 | .0007785 | .0100597 | -.004632 | .0015341 |
| #2 | -.023385 | .001993  | .0016493 | .0003114 | .0070840 | -.002454 | -.002060 |
| #3 | -.012953 | -.001534 | .0006495 | .0005636 | .0129879 | -.004413 | .000717  |

Sample Name: CCB028      Acquired: 11/2/2017 16:58:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB028      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000156 | -.003080 | -.000100 |
| Stddev | .000880  | .000615  | .000070  |
| %RSD   | 562.6630 | 19.98313 | 70.59116 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000154 | -.002589 | -.000018 |
| #2 | -.001038 | -.002881 | -.000142 |
| #3 | .000723  | -.003770 | -.000139 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1449.464 | 2489.498 | 34535.81 | 10187.44 | 3559.057 |
| Stddev    | 1.956    | 6.969    | 37.08    | 36.63    | 14.409   |
| %RSD      | .1349185 | .2799305 | .1073671 | .3595274 | .4048659 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1447.215 | 2487.883 | 34578.41 | 10214.33 | 3559.899 |
| #2 | 1450.415 | 2497.132 | 34518.26 | 10145.73 | 3573.026 |
| #3 | 1450.763 | 2483.478 | 34510.77 | 10202.28 | 3544.245 |

Sample Name: I6161-18      Acquired: 11/2/2017 17:02:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1002678 | .1326305 | .0875670 | .0850036 | .0767083 | 51.16454 | 4.318275 |
| Stddev | .0048953 | .0026303 | .0000937 | .0032868 | .0007549 | .44245   | .028425  |
| %RSD   | 4.882201 | 1.983178 | .1069902 | 3.866710 | .9840806 | .8647539 | .6582431 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1049032 | .1331103 | .0875379 | .0879026 | .0758541 | 51.49601 | 4.347345 |
| #2 | .1007516 | .1349879 | .0876718 | .0856754 | .0769854 | 50.66212 | 4.290543 |
| #3 | .0951486 | .1297934 | .0874914 | .0814328 | .0772855 | 51.33549 | 4.316938 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0998292 | .0973659 | 4.020027 | .4790354 | 1.002443 | .5292294 | 26.76341 |
| Stddev | .0008720 | .0005365 | .019741  | .0116281 | .005324  | .0055221 | .17224   |
| %RSD   | .8734530 | .5510058 | .4910729 | 2.427394 | .5311157 | 1.043430 | .6435595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1000851 | .0967567 | 4.032771 | .4658075 | .996634  | .5343381 | 26.92874 |
| #2 | .0988579 | .0977681 | 3.997287 | .4836545 | 1.007091 | .5233705 | 26.58501 |
| #3 | .1005445 | .0975728 | 4.030023 | .4876441 | 1.003605 | .5299797 | 26.77647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.206422 | 2.034327 | 1.038229 | .1264534 | .1634083 | 1.131950 | 1.176357 |
| Stddev | .007519  | .014438  | .007055  | .0028008 | .0348621 | .020256  | .029840  |
| %RSD   | .6232129 | .7097062 | .6795459 | 2.214890 | 21.33433 | 1.789491 | 2.536642 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.212981 | 2.047805 | 1.030136 | .1232829 | .1427207 | 1.133002 | 1.142786 |
| #2 | 1.198217 | 2.019091 | 1.043086 | .1274862 | .2036583 | 1.111189 | 1.186421 |
| #3 | 1.208070 | 2.036086 | 1.041465 | .1285912 | .1438459 | 1.151660 | 1.199864 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.980307 | 2.377515 | -.029398 | .0020444 | .3360362 | 6.723493 | .0042171 |
| Stddev | .024396  | .015212  | .000868  | .0001781 | .0051092 | .036335  | .0023621 |
| %RSD   | 2.488585 | .6398188 | 2.953002 | 8.711957 | 1.520431 | .5404222 | 56.01345 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.952864 | 2.387240 | -.028420 | .0020827 | .3418960 | 6.743255 | .0067988 |
| #2 | -.999534 | 2.385319 | -.029698 | .0022002 | .3336993 | 6.681560 | .0036885 |
| #3 | -.988524 | 2.359985 | -.030076 | .0018502 | .3325135 | 6.745665 | .0021640 |

Sample Name: I6161-18      Acquired: 11/2/2017 17:02:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EH4S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2831530 | .0178121 | .0372586 |
| Stddev | .0041106 | .0006749 | .0002815 |
| %RSD   | 1.451708 | 3.788933 | .7556014 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2868022 | .0184726 | .0374145 |
| #2 | .2786999 | .0171237 | .0369336 |
| #3 | .2839570 | .0178402 | .0374278 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1441.606 | 2370.246 | 34616.96 | 10689.90 | 3246.696 |
| Stddev    | 30.145   | 9.909    | 666.24   | 83.07    | 10.195   |
| %RSD      | 2.091079 | .4180714 | 1.924597 | .7770883 | .3140175 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1476.411 | 2381.552 | 35385.82 | 10617.98 | 3258.132 |
| #2 | 1423.768 | 2363.066 | 34255.27 | 10780.83 | 3238.560 |
| #3 | 1424.640 | 2366.121 | 34209.80 | 10670.90 | 3243.395 |

Sample Name: I6161-16LX5      Acquired: 11/2/2017 17:06:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH4L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0067190 | -.000546 | .0100751 | -.000566 | -.000693 | 9.872060 | .0461923 |
| Stddev | .0030108 | .001450  | .0018846 | .002599  | .000612  | .015192  | .0005316 |
| %RSD   | 44.81120 | 265.7324 | 18.70558 | 459.4443 | 88.42007 | .1538903 | 1.150921 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0074079 | -.002119 | .0098769 | -.002293 | -.000344 | 9.889314 | .0455788 |
| #2 | .0093256 | -.000252 | .0082974 | .002423  | -.000334 | 9.866173 | .0465181 |
| #3 | .0034234 | .000735  | .0120510 | -.001827 | -.001400 | 9.860691 | .0464799 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002889 | -.000128 | .8632565 | .0126503 | .0012544 | .0059457 | 5.156935 |
| Stddev | .0000102 | .000049  | .0083736 | .0001729 | .0002705 | .0008687 | .029751  |
| %RSD   | 3.523857 | 38.05353 | .9700050 | 1.366499 | 21.56604 | 14.60956 | .5769106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002772 | -.000179 | .8537068 | .0124562 | .0013712 | .0066822 | 5.127949 |
| #2 | .0002941 | -.000121 | .8667195 | .0127879 | .0009451 | .0061672 | 5.155458 |
| #3 | .0002955 | -.000083 | .8693431 | .0127066 | .0014469 | .0049878 | 5.187396 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0294157 | .4585078 | .0054557 | -.000832 | .0782070 | .0140467 | .0129167 |
| Stddev | .0009282 | .0194047 | .0003258 | .000383  | .0447770 | .0017988 | .0015747 |
| %RSD   | 3.155574 | 4.232135 | 5.972223 | 46.08210 | 57.25451 | 12.80602 | 12.19142 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0283448 | .4621603 | .0052082 | -.001274 | .1226217 | .0160504 | .0124104 |
| #2 | .0299132 | .4758266 | .0058248 | -.000611 | .0789230 | .0135191 | .0146823 |
| #3 | .0299891 | .4375364 | .0053339 | -.000610 | .0330763 | .0125707 | .0116573 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.298468 | .5075770 | -.007782 | .0000152 | .0819813 | 1.243954 | -.002204 |
| Stddev | .011507  | .0095382 | .000636  | .0002674 | .0027858 | .005233  | .000712  |
| %RSD   | 3.855368 | 1.879160 | 8.171229 | 1757.099 | 3.398061 | .4206493 | 32.32780 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.290106 | .4967333 | -.007048 | .0003056 | .0801338 | 1.238974 | -.001470 |
| #2 | -.311591 | .5113294 | -.008162 | -.000039 | .0806247 | 1.243481 | -.002248 |
| #3 | -.293705 | .5146683 | -.008135 | -.000221 | .0851856 | 1.249407 | -.002893 |

Sample Name: I6161-16LX5      Acquired: 11/2/2017 17:06:09      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EH4L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0719717 | -.001191 | .0075903 |
| Stddev | .0007110 | .000533  | .0000445 |
| %RSD   | .9879116 | 44.79273 | .5859985 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0727532 | -.001294 | .0076058 |
| #2 | .0717987 | -.000613 | .0075402 |
| #3 | .0713631 | -.001665 | .0076250 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1470.108 | 2474.060 | 35055.18 | 10562.61 | 3490.870 |
| Stddev    | 3.664    | 7.733    | 85.30    | 23.15    | 22.481   |
| %RSD      | .2492491 | .3125789 | .2433187 | .2191705 | .6439879 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1468.389 | 2481.038 | 34963.12 | 10585.94 | 3516.323 |
| #2 | 1474.316 | 2465.746 | 35131.52 | 10562.25 | 3482.559 |
| #3 | 1467.620 | 2475.397 | 35070.91 | 10539.64 | 3473.727 |

Sample Name: I6162-14      Acquired: 11/2/2017 17:10:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0115084 | .0020535 | .0466310 | -.004297 | .0031316 | 51.33862 | .1135868 |
| Stddev | .0052280 | .0011390 | .0020473 | .000547  | .0006235 | .21712   | .0003920 |
| %RSD   | 45.42798 | 55.46899 | 4.390392 | 12.73667 | 19.91032 | .4229249 | .3450959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0173676 | .0022913 | .0480602 | -.003678 | .0033168 | 51.54200 | .1132560 |
| #2 | .0073202 | .0008143 | .0475472 | -.004494 | .0024365 | 51.36390 | .1134848 |
| #3 | .0098372 | .0030548 | .0442857 | -.004718 | .0036416 | 51.10996 | .1140198 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014872 | -.000872 | 1.822852 | .1326475 | .0049718 | .0355868 | 62.03105 |
| Stddev | .0000427 | .000044  | .011521  | .0005874 | .0000777 | .0009873 | .34143   |
| %RSD   | 2.870940 | 5.073642 | .6320328 | .4428189 | 1.562237 | 2.774482 | .5504233 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014811 | -.000821 | 1.826444 | .1321511 | .0049696 | .0364137 | 61.63803 |
| #2 | .0015326 | -.000904 | 1.832149 | .1332960 | .0048953 | .0344937 | 62.25452 |
| #3 | .0014479 | -.000890 | 1.809963 | .1324955 | .0050506 | .0358531 | 62.20061 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0590412 | .8954211 | .0224600 | -.008546 | .1527532 | .2473898 | -.003559 |
| Stddev | .0003369 | .0056804 | .0003337 | .000059  | .0589181 | .0025133 | .002824  |
| %RSD   | .5705876 | .6343806 | 1.485680 | .6861164 | 38.57078 | 1.015909 | 79.34685 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0589976 | .8921277 | .0220864 | -.008601 | .1701044 | .2502871 | -.004938 |
| #2 | .0593978 | .9019802 | .0227283 | -.008553 | .2010473 | .2460861 | -.000310 |
| #3 | .0587282 | .8921553 | .0225653 | -.008485 | .0871079 | .2457964 | -.005428 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.564926 | .5952823 | -.075995 | .0068185 | .1587725 | 2.418693 | .0043300 |
| Stddev | .033373  | .0020725 | .000549  | .0001662 | .0051492 | .009344  | .0021104 |
| %RSD   | 5.907469 | .3481508 | .7220749 | 2.437444 | 3.243152 | .3863277 | 48.73938 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.562147 | .5949885 | -.075634 | .0066634 | .1571123 | 2.429070 | .0067462 |
| #2 | -.599602 | .5933725 | -.076626 | .0067982 | .1645470 | 2.416065 | .0028470 |
| #3 | -.533030 | .5974861 | -.075725 | .0069939 | .1546581 | 2.410945 | .0033970 |



Sample Name: I6162-14      Acquired: 11/2/2017 17:10:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4825856 | .0097290 | .0229572 |
| Stddev | .0022513 | .0002191 | .0000251 |
| %RSD   | .4665123 | 2.251670 | .1094089 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4822107 | .0099621 | .0229862 |
| #2 | .4805452 | .0095273 | .0229441 |
| #3 | .4850008 | .0096976 | .0229413 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1435.617 | 2457.309 | 34355.68 | 10693.81 | 3312.979 |
| Stddev    | 9.958    | 6.812    | 149.11   | 27.18    | 8.183    |
| %RSD      | .6936440 | .2772059 | .4340071 | .2541890 | .2469989 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1437.750 | 2449.671 | 34525.57 | 10705.69 | 3307.450 |
| #2 | 1424.766 | 2459.501 | 34246.54 | 10662.71 | 3322.380 |
| #3 | 1444.336 | 2462.754 | 34294.92 | 10713.02 | 3309.108 |

Sample Name: I6162-15      Acquired: 11/2/2017 17:14:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0109927 | .0028470 | .0484000 | .0010764 | .0027387 | 51.76314 | .1142326 |
| Stddev | .0039873 | .0027400 | .0008661 | .0022074 | .0020169 | .12397   | .0004482 |
| %RSD   | 36.27250 | 96.24064 | 1.789467 | 205.0758 | 73.64498 | .2394886 | .3923343 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0151816 | .0000824 | .0475971 | .0001968 | .0017248 | 51.88009 | .1145123 |
| #2 | .0072433 | .0055616 | .0482851 | -.000556 | .0050614 | 51.63318 | .1137157 |
| #3 | .0105533 | .0028970 | .0493179 | .003588  | .0014299 | 51.77616 | .1144699 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015652 | -.000914 | 1.842729 | .1330234 | .0052012 | .0353914 | 62.84013 |
| Stddev | .0000402 | .000169  | .022634  | .0008638 | .0001245 | .0002777 | .10181   |
| %RSD   | 2.567410 | 18.53521 | 1.228306 | .6493796 | 2.393241 | .7845127 | .1620132 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015462 | -.000925 | 1.823245 | .1326865 | .0052478 | .0356042 | 62.89566 |
| #2 | .0016114 | -.001078 | 1.837385 | .1340050 | .0050601 | .0354927 | 62.72263 |
| #3 | .0015381 | -.000740 | 1.867557 | .1323789 | .0052956 | .0350773 | 62.90209 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0606724 | .9093473 | .0226424 | -.008282 | .2210701 | .2519034 | -.005762 |
| Stddev | .0009453 | .0228400 | .0003510 | .000391  | .0563228 | .0022187 | .001488  |
| %RSD   | 1.558076 | 2.511687 | 1.550134 | 4.721126 | 25.47735 | .8807912 | 25.82859 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0603233 | .9266020 | .0222400 | -.008492 | .1616048 | .2522233 | -.005546 |
| #2 | .0599513 | .8834465 | .0228017 | -.008523 | .2736099 | .2495421 | -.007346 |
| #3 | .0617426 | .9179933 | .0228855 | -.007830 | .2279954 | .2539449 | -.004393 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.573883 | .6156400 | -.077939 | .0068317 | .1562747 | 2.459587 | .0047614 |
| Stddev | .024773  | .0090390 | .000594  | .0001094 | .0053292 | .008973  | .0030224 |
| %RSD   | 4.316680 | 1.468227 | .7627173 | 1.601179 | 3.410167 | .3648137 | 63.47752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.593313 | .6225185 | -.077525 | .0069049 | .1501291 | 2.467768 | .0016655 |
| #2 | -.545987 | .6054023 | -.078620 | .0067060 | .1596197 | 2.461001 | .0077045 |
| #3 | -.582350 | .6189991 | -.077671 | .0068842 | .1590754 | 2.449990 | .0049141 |

Sample Name: I6162-15      Acquired: 11/2/2017 17:14:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4865471 | .0100323 | .0231187 |
| Stddev | .0048081 | .0003600 | .0001055 |
| %RSD   | .9882076 | 3.588043 | .4564837 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4904540 | .0103954 | .0232254 |
| #2 | .4811776 | .0100261 | .0230144 |
| #3 | .4880099 | .0096755 | .0231164 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1420.203 | 2420.190 | 34020.28 | 10522.70 | 3273.346 |
| Stddev    | 5.005    | 7.592    | 123.67   | 27.09    | 6.651    |
| %RSD      | .3523984 | .3136886 | .3635113 | .2574373 | .2031859 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1421.676 | 2426.425 | 33953.20 | 10501.15 | 3276.385 |
| #2 | 1414.627 | 2422.410 | 33944.65 | 10513.86 | 3277.935 |
| #3 | 1424.307 | 2411.736 | 34163.00 | 10553.11 | 3265.719 |

Sample Name: I6162-16      Acquired: 11/2/2017 17:18:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0774795 | .1255121 | .0817514 | .0836971 | .1074069 | 52.86952 | 4.105279 |
| Stddev | .0027823 | .0019006 | .0013499 | .0006987 | .0002144 | .04334   | .003034  |
| %RSD   | 3.591060 | 1.514309 | 1.651249 | .8347450 | .1996418 | .0819736 | .0739120 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0761336 | .1234126 | .0810262 | .0830176 | .1075777 | 52.90850 | 4.103962 |
| #2 | .0806789 | .1260081 | .0833090 | .0844134 | .1074767 | 52.87721 | 4.108749 |
| #3 | .0756261 | .1271156 | .0809191 | .0836603 | .1071662 | 52.82285 | 4.103126 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0953833 | .0927369 | 1.378566 | .5485825 | .9560660 | .5246091 | 62.49907 |
| Stddev | .0010857 | .0003359 | .008257  | .0019341 | .0018720 | .0020781 | .22910   |
| %RSD   | 1.138266 | .3622031 | .5989604 | .3525732 | .1958043 | .3961277 | .3665598 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0966288 | .0926053 | 1.370726 | .5499460 | .9554527 | .5249090 | 62.73257 |
| #2 | .0948843 | .0924867 | 1.387185 | .5463689 | .9545776 | .5265210 | 62.48999 |
| #3 | .0946368 | .0931187 | 1.377786 | .5494326 | .9581678 | .5223973 | 62.27465 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.110540 | .7588673 | .9849476 | .1175453 | .2315112 | 1.315543 | 1.071301 |
| Stddev | .004711  | .0138901 | .0021208 | .0003958 | .0306772 | .001421  | .009470  |
| %RSD   | .4241937 | 1.830376 | .2153183 | .3367182 | 13.25086 | .1080299 | .8839772 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.115439 | .7745272 | .9868184 | .1178793 | .2423946 | 1.316512 | 1.080053 |
| #2 | 1.110136 | .7540390 | .9826437 | .1176485 | .2552628 | 1.316206 | 1.061248 |
| #3 | 1.106044 | .7480356 | .9853806 | .1171081 | .1968760 | 1.313912 | 1.072603 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.677973 | .6202991 | -.079003 | .0071118 | .1355313 | 2.617154 | .0057850 |
| Stddev | .016580  | .0062273 | .000556  | .0001678 | .0013560 | .022090  | .0047181 |
| %RSD   | 2.445529 | 1.003915 | .7041392 | 2.358745 | 1.000531 | .8440493 | 81.55684 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.686913 | .6180286 | -.079094 | .0070701 | .1339847 | 2.642427 | .0079451 |
| #2 | -.688165 | .6155257 | -.079507 | .0069688 | .1360930 | 2.601528 | .0003736 |
| #3 | -.658842 | .6273431 | -.078406 | .0072965 | .1365162 | 2.607507 | .0090363 |

Sample Name: I6162-16      Acquired: 11/2/2017 17:18:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4246481 | .0073341 | .0186661 |
| Stddev | .0021417 | .0004619 | .0000116 |
| %RSD   | .5043538 | 6.297370 | .0620646 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4270939 | .0076031 | .0186554 |
| #2 | .4237423 | .0075984 | .0186645 |
| #3 | .4231080 | .0068008 | .0186784 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1412.761 | 2392.123 | 34030.49 | 10623.38 | 3259.052 |
| Stddev    | 9.451    | 6.261    | 161.22   | 73.44    | 7.371    |
| %RSD      | .6689772 | .2617286 | .4737396 | .6913253 | .2261705 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1402.681 | 2385.525 | 33926.27 | 10540.96 | 3250.541 |
| #2 | 1421.423 | 2392.865 | 33949.02 | 10647.27 | 3263.278 |
| #3 | 1414.178 | 2397.980 | 34216.18 | 10681.89 | 3263.337 |

Sample Name: I6162-14LX5      Acquired: 11/2/2017 17:22:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF3L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045594 | -.000012 | .0104939 | -.000259 | -.000896 | 10.46130 | .0233626 |
| Stddev | .0028581 | .000468  | .0003435 | .002155  | .001307  | .01016   | .0001951 |
| %RSD   | 62.68565 | 3825.286 | 3.272848 | 833.1207 | 145.9082 | .0970920 | .8348826 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013687 | .000300  | .0108890 | .000822  | -.000793 | 10.45897 | .0234990 |
| #2 | .0054243 | .000214  | .0102670 | -.002740 | -.002251 | 10.45250 | .0231392 |
| #3 | .0068851 | -.000550 | .0103257 | .001142  | .000357  | 10.47241 | .0234497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002857 | -.000222 | .4014229 | .0270673 | .0011376 | .0077937 | 12.87694 |
| Stddev | .0000475 | .000035  | .0039898 | .0001164 | .0000351 | .0008195 | .03626   |
| %RSD   | 16.62778 | 15.87020 | .9939177 | .4299828 | 3.087623 | 10.51432 | .2816201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003101 | -.000201 | .4054637 | .0270995 | .0011780 | .0076378 | 12.84026 |
| #2 | .0003161 | -.000262 | .3974861 | .0269382 | .0011148 | .0070634 | 12.87780 |
| #3 | .0002310 | -.000201 | .4013190 | .0271641 | .0011199 | .0086800 | 12.91277 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0121453 | .1932573 | .0047276 | -.002011 | .0500395 | .0496084 | -.002950 |
| Stddev | .0003935 | .0097703 | .0001602 | .000563  | .0137949 | .0027720 | .004251  |
| %RSD   | 3.240269 | 5.055595 | 3.389559 | 27.99643 | 27.56794 | 5.587760 | 144.1091 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0123777 | .1942925 | .0046491 | -.001386 | .0348694 | .0465255 | -.005564 |
| #2 | .0123674 | .2024688 | .0046218 | -.002167 | .0618316 | .0518955 | -.005240 |
| #3 | .0116910 | .1830106 | .0049120 | -.002480 | .0534174 | .0504042 | .001955  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.179183 | .1278301 | -.019463 | .0007814 | .0442520 | .5290226 | .0014736 |
| Stddev | .034666  | .0032206 | .000841  | .0003074 | .0020018 | .0057437 | .0014855 |
| %RSD   | 19.34679 | 2.519448 | 4.320504 | 39.33510 | 4.523566 | 1.085709 | 100.8086 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.196179 | .1295657 | -.019344 | .0004267 | .0419794 | .5273967 | .0028687 |
| #2 | -.202070 | .1241139 | -.020358 | .0009707 | .0457538 | .5242672 | -.000088 |
| #3 | -.139298 | .1298106 | -.018689 | .0009467 | .0450228 | .5354040 | .001640  |

Sample Name: I6162-14LX5      Acquired: 11/2/2017 17:22:30      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EF3L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0995081 | -.003504 | .0044119 |
| Stddev | .0006518 | .000309  | .0000236 |
| %RSD   | .6550640 | 8.813830 | .5339388 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1001019 | -.003690 | .0044293 |
| #2 | .0988107 | -.003675 | .0043851 |
| #3 | .0996117 | -.003148 | .0044212 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1463.413 | 2475.211 | 34673.88 | 10414.34 | 3467.912 |
| Stddev    | 3.603    | .639     | 39.64    | 28.20    | 6.287    |
| %RSD      | .2462063 | .0258262 | .1143314 | .2707558 | .1812897 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1467.567 | 2475.417 | 34674.51 | 10431.97 | 3471.429 |
| #2 | 1461.531 | 2474.494 | 34633.92 | 10429.23 | 3471.654 |
| #3 | 1461.140 | 2475.722 | 34713.20 | 10381.82 | 3460.654 |

Sample Name: I6163-03      Acquired: 11/2/2017 17:26:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0298308 | -.003718 | .0456905 | .0005181 | .0005319 | 28.96665 | .1175560 |
| Stddev | .0025349 | .001519  | .0002038 | .0020210 | .0020997 | .04917   | .0003500 |
| %RSD   | 8.497531 | 40.85827 | .4460213 | 390.1178 | 394.7203 | .1697474 | .2977517 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0325217 | -.004182 | .0459196 | .0007462 | .0026633 | 29.00946 | .1179601 |
| #2 | .0274879 | -.002021 | .0455294 | -.001607 | -.001535 | 28.91295 | .1173608 |
| #3 | .0294826 | -.004951 | .0456225 | .002415  | .000467  | 28.97756 | .1173470 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010197 | -.000220 | .9951003 | .0363130 | .0030224 | .0236862 | 9.111010 |
| Stddev | .0000517 | .000091  | .0021475 | .0002040 | .0001538 | .0012200 | .037445  |
| %RSD   | 5.071897 | 41.30665 | .2158023 | .5616423 | 5.087647 | 5.150504 | .4109809 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010789 | -.000181 | .9949799 | .0363030 | .0028596 | .0247319 | 9.085870 |
| #2 | .0009833 | -.000325 | .9973055 | .0361142 | .0031651 | .0223459 | 9.093116 |
| #3 | .0009969 | -.000155 | .9930156 | .0365217 | .0030426 | .0239807 | 9.154045 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1037545 | .6388104 | .0145071 | -.001305 | .0719941 | .0338427 | .0750423 |
| Stddev | .0004033 | .0297276 | .0001744 | .000206  | .0510299 | .0002630 | .0015998 |
| %RSD   | .3886912 | 4.653592 | 1.202014 | 15.77848 | 70.88064 | .7772419 | 2.131817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1038016 | .6048571 | .0146835 | -.001249 | .0163715 | .0341408 | .0759339 |
| #2 | .1041322 | .6514157 | .0143348 | -.001534 | .1166472 | .0337439 | .0759976 |
| #3 | .1033297 | .6601585 | .0145028 | -.001133 | .0829635 | .0336433 | .0731954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.43858 | 1.938018 | -.011970 | .0004381 | .4501776 | 3.653131 | .0039068 |
| Stddev | .02242   | .026490  | .000436  | .0000544 | .0055847 | .016837  | .0018144 |
| %RSD   | 1.558693 | 1.366836 | 3.643386 | 12.42379 | 1.240546 | .4608976 | 46.44079 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.44948 | 1.967079 | -.012298 | .0004787 | .4520283 | 3.651475 | .0059900 |
| #2 | -1.45348 | 1.931751 | -.011475 | .0004593 | .4439025 | 3.637183 | .0026725 |
| #3 | -1.41279 | 1.915224 | -.012138 | .0003763 | .4546020 | 3.670735 | .0030580 |



Sample Name: I6163-03      Acquired: 11/2/2017 17:26:38      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EJ1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1795063 | .0039571 | .0122324 |
| Stddev | .0013663 | .0003513 | .0000450 |
| %RSD   | .7611202 | 8.876506 | .3675975 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1793458 | .0039839 | .0122281 |
| #2 | .1809456 | .0042942 | .0122793 |
| #3 | .1782273 | .0035932 | .0121897 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1461.574 | 2478.139 | 34957.05 | 10527.46 | 3417.608 |
| Stddev    | 8.726    | 10.203   | 75.44    | 6.45     | 7.216    |
| %RSD      | .5970099 | .4117226 | .2158054 | .0612730 | .2111488 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1455.778 | 2470.668 | 34880.58 | 10534.90 | 3417.507 |
| #2 | 1457.334 | 2489.764 | 34959.16 | 10523.77 | 3424.875 |
| #3 | 1471.609 | 2473.986 | 35031.41 | 10523.70 | 3410.443 |

Sample Name: I6163-04      Acquired: 11/2/2017 17:30:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0323645 | -.000919 | .0467074 | .0040319 | -.000389 | 29.06142 | .1188130 |
| Stddev | .0007816 | .000967  | .0024562 | .0013600 | .000270  | .06646   | .0000892 |
| %RSD   | 2.414856 | 105.2425 | 5.258661 | 33.73053 | 69.37015 | .2286790 | .0750878 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0330071 | .000198  | .0443836 | .0028276 | -.000196 | 28.98869 | .1187119 |
| #2 | .0314945 | -.001471 | .0464611 | .0055069 | -.000697 | 29.11898 | .1188462 |
| #3 | .0325919 | -.001484 | .0492774 | .0037612 | -.000273 | 29.07659 | .1188808 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010141 | -.000113 | .9808779 | .0360089 | .0030550 | .0240077 | 9.084401 |
| Stddev | .0000548 | .000025  | .0072967 | .0003848 | .0001911 | .0009716 | .031916  |
| %RSD   | 5.408497 | 21.99276 | .7438970 | 1.068715 | 6.255560 | 4.047130 | .3513229 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009895 | -.000106 | .9724573 | .0363607 | .0032622 | .0251154 | 9.048455 |
| #2 | .0009759 | -.000140 | .9848392 | .0355979 | .0028857 | .0236079 | 9.095340 |
| #3 | .0010770 | -.000092 | .9853372 | .0360680 | .0030172 | .0232998 | 9.109410 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1034723 | .6363150 | .0147341 | -.001653 | .0873897 | .0357917 | .0796326 |
| Stddev | .0008747 | .0214951 | .0006061 | .000444  | .0723718 | .0021724 | .0030413 |
| %RSD   | .8453951 | 3.378062 | 4.113932 | 26.84649 | 82.81500 | 6.069544 | 3.819159 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1024886 | .6291302 | .0147951 | -.002162 | .0156593 | .0337825 | .0805553 |
| #2 | .1037658 | .6193326 | .0140997 | -.001451 | .1603863 | .0354956 | .0821056 |
| #3 | .1041627 | .6604823 | .0153074 | -.001345 | .0861235 | .0380969 | .0762368 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.45079 | 1.983354 | -.012687 | .0009936 | .4565034 | 3.575115 | .0025778 |
| Stddev | .04041   | .017867  | .000659  | .0001403 | .0053211 | .018131  | .0011027 |
| %RSD   | 2.785134 | .9008297 | 5.197322 | 14.12391 | 1.165615 | .5071467 | 42.77569 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.48405 | 1.993576 | -.012284 | .0011394 | .4597957 | 3.554792 | .0023264 |
| #2 | -1.40582 | 1.962724 | -.012330 | .0009819 | .4503646 | 3.580918 | .0037845 |
| #3 | -1.46251 | 1.993762 | -.013448 | .0008595 | .4593500 | 3.589633 | .0016225 |

Sample Name: I6163-04      Acquired: 11/2/2017 17:30:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1805729 | .0043561 | .0123008 |
| Stddev | .0027586 | .0003017 | .0000650 |
| %RSD   | 1.527707 | 6.925330 | .5281281 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1797801 | .0043668 | .0122266 |
| #2 | .1782975 | .0040492 | .0123474 |
| #3 | .1836411 | .0046523 | .0123283 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.853 | 2391.143 | 34439.73 | 10587.20 | 3340.268 |
| Stddev    | 9.761    | 22.231   | 103.23   | 72.51    | 20.963   |
| %RSD      | .6855190 | .9297193 | .2997313 | .6849273 | .6275716 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1427.884 | 2407.951 | 34536.76 | 10670.77 | 3352.039 |
| #2 | 1430.953 | 2399.543 | 34451.19 | 10549.88 | 3352.700 |
| #3 | 1412.722 | 2365.936 | 34331.26 | 10540.94 | 3316.066 |

Sample Name: I6163-05      Acquired: 11/2/2017 17:34:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0959985 | .1261511 | .0854854 | .0876888 | .0730314 | 33.30099 | 4.108236 |
| Stddev | .0030740 | .0006436 | .0012702 | .0018957 | .0007260 | .05929   | .006816  |
| %RSD   | 3.202112 | .5101905 | 1.485868 | 2.161810 | .9941521 | .1780287 | .1659031 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0995450 | .1258058 | .0863661 | .0856564 | .0727518 | 33.28201 | 4.112874 |
| #2 | .0940983 | .1268936 | .0840294 | .0894090 | .0738556 | 33.25352 | 4.100411 |
| #3 | .0943522 | .1257538 | .0860608 | .0880010 | .0724866 | 33.36744 | 4.111423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0970422 | .0925257 | 1.039859 | .4486946 | .9508622 | .5166291 | 11.17049 |
| Stddev | .0002192 | .0009087 | .011300  | .0014644 | .0055929 | .0022744 | .03113   |
| %RSD   | .2258712 | .9821141 | 1.086725 | .3263608 | .5881915 | .4402362 | .2787162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0968558 | .0921503 | 1.028517 | .4473740 | .9462802 | .5149796 | 11.20640 |
| #2 | .0969871 | .0918647 | 1.039944 | .4484404 | .9492119 | .5156841 | 11.15111 |
| #3 | .0972836 | .0935619 | 1.051117 | .4502695 | .9570946 | .5192237 | 11.15396 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.168033 | .6896268 | .9779693 | .1242573 | .0955510 | 1.087548 | 1.145124 |
| Stddev | .001978  | .0153199 | .0059791 | .0001156 | .0642520 | .008059  | .008546  |
| %RSD   | .1693295 | 2.221478 | .6113771 | .0930398 | 67.24365 | .7410482 | .7462912 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.168958 | .7029592 | .9741505 | .1243265 | .0976876 | 1.080374 | 1.135272 |
| #2 | 1.165763 | .6930297 | .9748975 | .1243215 | .1587081 | 1.086001 | 1.150534 |
| #3 | 1.169380 | .6728916 | .9848598 | .1241238 | .0302574 | 1.096268 | 1.149566 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.31780 | 2.038809 | -.014663 | .0001255 | .4415612 | 3.652835 | .0028461 |
| Stddev | .02485   | .009687  | .001085  | .0001329 | .0036992 | .015138  | .0022300 |
| %RSD   | 1.885643 | .4751424 | 7.396065 | 105.9203 | .8377524 | .4144137 | 78.35188 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.29742 | 2.048424 | -.015122 | .0001812 | .4448070 | 3.661187 | .0023634 |
| #2 | -1.34548 | 2.038953 | -.015443 | -.000026 | .4423430 | 3.635360 | .0008970 |
| #3 | -1.31049 | 2.029051 | -.013425 | .000222  | .4375336 | 3.661956 | .0052780 |

Sample Name: I6163-05      Acquired: 11/2/2017 17:34:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1676755 | .0053327 | .0125976 |
| Stddev | .0000833 | .0004091 | .0000675 |
| %RSD   | .0496775 | 7.671672 | .5357823 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1677513 | .0058030 | .0126466 |
| #2 | .1675864 | .0050592 | .0125206 |
| #3 | .1676890 | .0051359 | .0126257 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1438.338 | 2408.316 | 34551.10 | 10530.49 | 3345.854 |
| Stddev    | 7.387    | 6.524    | 55.72    | 27.86    | 8.735    |
| %RSD      | .5136035 | .2708854 | .1612590 | .2645978 | .2610823 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1432.270 | 2409.176 | 34570.32 | 10498.51 | 3355.656 |
| #2 | 1436.179 | 2401.405 | 34488.32 | 10549.49 | 3338.892 |
| #3 | 1446.564 | 2414.367 | 34594.67 | 10543.48 | 3343.015 |

Sample Name: I6163-03LX5      Acquired: 11/2/2017 17:38:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ1L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0064409 | -.000174 | .0137887 | .0000388 | -.000898 | 5.894133 | .0254993 |
| Stddev | .0011779 | .001031  | .0010442 | .0014576 | .000367  | .010546  | .0001802 |
| %RSD   | 18.28741 | 592.9578 | 7.572480 | 3754.296 | 40.86350 | .1789234 | .7068993 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051368 | -.001295 | .0138647 | -.000063 | -.001316 | 5.889382 | .0255079 |
| #2 | .0074273 | .000040  | .0127087 | -.001365 | -.000747 | 5.886798 | .0253149 |
| #3 | .0067587 | .000733  | .0147928 | .001545  | -.000630 | 5.906219 | .0256751 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002376 | -.000144 | .2347142 | .0076396 | .0007483 | .0043197 | 1.879228 |
| Stddev | .0000225 | .000069  | .0095852 | .0004811 | .0000872 | .0010576 | .000848  |
| %RSD   | 9.453119 | 47.74702 | 4.083782 | 6.297846 | 11.65259 | 24.48322 | .0451324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002122 | -.000176 | .2272354 | .0080065 | .0006756 | .0033779 | 1.879188 |
| #2 | .0002460 | -.000065 | .2313877 | .0078174 | .0007245 | .0041174 | 1.880095 |
| #3 | .0002547 | -.000191 | .2455195 | .0070948 | .0008450 | .0054639 | 1.878400 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0227613 | .1511408 | .0343669 | -.000317 | .0599240 | .0077364 | .1858760 |
| Stddev | .0006373 | .0123243 | .0002847 | .000145  | .0577260 | .0031271 | .0058104 |
| %RSD   | 2.799792 | 8.154192 | .8285356 | 45.82153 | 96.33205 | 40.42028 | 3.125943 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0220407 | .1382891 | .0345525 | -.000297 | .0659274 | .0045653 | .1871029 |
| #2 | .0229927 | .1522740 | .0345092 | -.000182 | -.000569 | .0108175 | .1909750 |
| #3 | .0232506 | .1628594 | .0340391 | -.000471 | .114414  | .0078263 | .1795502 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.362390 | .4026068 | -.005260 | -.000340 | .1069299 | .7718634 | -.001039 |
| Stddev | .024788  | .0013770 | .000963  | .000147  | .0040851 | .0044549 | .000982  |
| %RSD   | 6.840255 | .3420128 | 18.30424 | 43.10251 | 3.820381 | .5771594 | 94.45221 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.337036 | .4033842 | -.004254 | -.000463 | .1110125 | .7723194 | -.001177 |
| #2 | -.386571 | .4010170 | -.005352 | -.000178 | .1069350 | .7671981 | .000004  |
| #3 | -.363562 | .4034193 | -.006173 | -.000380 | .1028423 | .7760727 | -.001944 |

Sample Name: I6163-03LX5      Acquired: 11/2/2017 17:38:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EJ1L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0363895 | -.005186 | .0022934 |
| Stddev | .0003181 | .000344  | .0000180 |
| %RSD   | .8742528 | 6.628090 | .7843958 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0360528 | -.004894 | .0022768 |
| #2 | .0364304 | -.005099 | .0023125 |
| #3 | .0366852 | -.005565 | .0022910 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1452.302 | 2479.949 | 34615.10 | 10279.72 | 3504.219 |
| Stddev    | 5.775    | 9.995    | 148.43   | 32.02    | 5.984    |
| %RSD      | .3976790 | .4030519 | .4288093 | .3114798 | .1707610 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1450.523 | 2490.701 | 34504.86 | 10245.38 | 3508.583 |
| #2 | 1447.625 | 2478.204 | 34556.56 | 10308.75 | 3506.676 |
| #3 | 1458.757 | 2470.940 | 34783.87 | 10285.03 | 3497.398 |

Sample Name: PB103786BL      Acquired: 11/2/2017 17:43:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012688 | -.002578 | -.000550 | -.000288 | -.000642 | -.001889 | .0000903 |
| Stddev | .0016602 | .001320  | .000937  | .001639  | .000338  | .001598  | .0001288 |
| %RSD   | 130.8436 | 51.21075 | 170.4588 | 568.6757 | 52.60854 | 84.57391 | 142.6199 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001821 | -.002156 | -.000891 | .000917  | -.000312 | -.000051 | .0002077 |
| #2 | .0031798 | -.001521 | -.001268 | .000373  | -.000987 | -.002676 | .0001106 |
| #3 | .0004445 | -.004058 | .000510  | -.002154 | -.000627 | -.002940 | -.000047 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000004 | -.000106 | -.001862 | .0002201 | -.000182 | .0000714 | -.005081 |
| Stddev | .000038  | .000022  | .002586  | .0003478 | .000246  | .0015983 | .005407  |
| %RSD   | 906.5205 | 20.66685 | 138.8325 | 157.9825 | 135.3535 | 2238.885 | 106.4140 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000023 | -.000113 | -.004712 | .0002624 | .000080  | -.000512 | -.004860 |
| #2 | .000040  | -.000082 | .000333  | .0005449 | -.000409 | -.001153 | .000212  |
| #3 | -.000030 | -.000124 | -.001208 | -.000147 | -.000217 | .001880  | -.010596 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000100 | .0148587 | .0002813 | -.000157 | .1167335 | .0011204 | -.002838 |
| Stddev | .0003711 | .0168488 | .0004654 | .000494  | .0024506 | .0027576 | .002823  |
| %RSD   | 3726.656 | 113.3937 | 165.4675 | 315.1210 | 2.099333 | 246.1352 | 99.46518 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003920 | .0096426 | -.000185 | -.000640 | .1193794 | -.001976 | .000400  |
| #2 | -.000349 | .0336987 | .000746  | .000348  | .1162794 | .002026  | -.004133 |
| #3 | -.000013 | .0012347 | .000282  | -.000179 | .1145417 | .003312  | -.004781 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.084981 | .0025149 | -.003196 | -.000665 | .0122212 | -.003292 | -.000827 |
| Stddev | .052015  | .0018976 | .000124  | .000044  | .0021064 | .000746  | .000939  |
| %RSD   | 61.20780 | 75.45246 | 3.869394 | 6.581324 | 17.23542 | 22.65715 | 113.4538 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.137427 | .0044334 | -.003116 | -.000615 | .0106646 | -.004037 | .000207  |
| #2 | -.033408 | .0024723 | -.003338 | -.000694 | .0146180 | -.003295 | -.001625 |
| #3 | -.084107 | .0006390 | -.003134 | -.000688 | .0113810 | -.002545 | -.001064 |



Sample Name: PB103786BL      Acquired: 11/2/2017 17:43:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000872 | -.006930 | -.000334 |
| Stddev | .000568  | .000434  | .000018  |
| %RSD   | 65.13099 | 6.265913 | 5.371452 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000223 | -.006729 | -.000338 |
| #2 | -.001115 | -.006632 | -.000349 |
| #3 | -.001277 | -.007428 | -.000314 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1441.217 | 2432.990 | 34627.14 | 10261.13 | 3516.324 |
| Stddev    | 14.421   | 12.083   | 108.93   | 13.29    | 12.205   |
| %RSD      | 1.000600 | .4966516 | .3145895 | .1295398 | .3470841 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1427.735 | 2444.367 | 34544.83 | 10273.67 | 3522.896 |
| #2 | 1439.494 | 2434.297 | 34585.92 | 10262.53 | 3523.834 |
| #3 | 1456.422 | 2420.307 | 34750.67 | 10247.20 | 3502.242 |

Sample Name: PB103787BL      Acquired: 11/2/2017 17:51:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012514 | .0000071 | -.001006 | .0000628 | .0001868 | -.002667 | .0001744 |
| Stddev | .0005429 | .0009767 | .000785  | .0018472 | .0004843 | .001493  | .0001995 |
| %RSD   | 43.38521 | 13779.21 | 78.09074 | 2942.348 | 259.1967 | 55.98829 | 114.4287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006668 | -.000234 | -.001296 | .0004512 | .0000261 | -.004300 | .0003451 |
| #2 | .0017398 | -.000826 | -.000117 | -.001948 | .0007310 | -.001372 | .0002230 |
| #3 | .0013477 | .001082  | -.001604 | .001685  | -.000197 | -.002328 | -.000045 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000033 | -.000151 | -.005403 | .0000957 | -.000023 | .0001976 | -.002530 |
| Stddev | .000029  | .000020  | .005162  | .0003244 | .000170  | .0014372 | .001555  |
| %RSD   | 88.92243 | 13.28197 | 95.54122 | 338.8158 | 734.3671 | 727.1799 | 61.45487 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000030 | -.000153 | -.007351 | -.000272 | -.000212 | .0012027 | -.001523 |
| #2 | -.000063 | -.000169 | -.009309 | .000216  | .000023  | -.001449 | -.004320 |
| #3 | -.000005 | -.000130 | .000450  | .000343  | .000119  | .000839  | -.001746 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000336 | .0150934 | .0003904 | -.000368 | .0502057 | -.000824 | -.005589 |
| Stddev | .000315  | .0175646 | .0001738 | .000146  | .0502844 | .001347  | .002130  |
| %RSD   | 93.66039 | 116.3724 | 44.51446 | 39.80269 | 100.1568 | 163.4305 | 38.10647 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000524 | .0295616 | .0005079 | -.000204 | .0965596 | -.002323 | -.003943 |
| #2 | -.000513 | .0201685 | .0001908 | -.000412 | -.003253 | -.000435 | -.004829 |
| #3 | .000027  | -.004450 | .0004724 | -.000487 | .057311  | .000286  | -.007994 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.083837 | .0017992 | -.003719 | -.000538 | .0114849 | -.004624 | -.000281 |
| Stddev | .037724  | .0035198 | .000586  | .000132  | .0018964 | .000260  | .001602  |
| %RSD   | 44.99710 | 195.6301 | 15.74586 | 24.51429 | 16.51249 | 5.625238 | 570.3316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.121705 | .0047780 | -.004096 | -.000389 | .0135635 | -.004348 | -.000584 |
| #2 | -.083547 | .0027043 | -.004017 | -.000587 | .0110423 | -.004661 | .001451  |
| #3 | -.046259 | -.002085 | -.003045 | -.000639 | .0098489 | -.004864 | -.001709 |

Sample Name: PB103787BL      Acquired: 11/2/2017 17:51:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000390 | -.006750 | -.000326 |
| Stddev | .000184  | .000476  | .000023  |
| %RSD   | 47.27239 | 7.053561 | 7.008050 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000585 | -.006842 | -.000300 |
| #2 | -.000365 | -.007173 | -.000343 |
| #3 | -.000219 | -.006235 | -.000334 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1438.227 | 2480.207 | 34502.32 | 10202.48 | 3553.240 |
| Stddev    | 8.173    | 4.520    | 118.45   | 55.68    | 6.497    |
| %RSD      | .5682479 | .1822254 | .3433141 | .5457016 | .1828376 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1437.475 | 2476.862 | 34373.19 | 10138.35 | 3546.561 |
| #2 | 1430.456 | 2485.349 | 34527.83 | 10230.58 | 3559.537 |
| #3 | 1446.749 | 2478.411 | 34605.94 | 10238.50 | 3553.623 |

Sample Name: PB103787BS      Acquired: 11/2/2017 17:55:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0145275 | .0539145 | .0197225 | .0661067 | .1121491 | .2914031 |
| Stddev | .0025549 | .0005607 | .0007143 | .0011302 | .0006309 | .0022512 |
| %RSD   | 17.58690 | 1.039896 | 3.622015 | 1.709702 | .5625648 | .7725395 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0125482 | .0539202 | .0205454 | .0672896 | .1114424 | .2923606 |
| #2 | .0136226 | .0544724 | .0193595 | .0659928 | .1126556 | .2888314 |
| #3 | .0174117 | .0533511 | .0192626 | .0650378 | .1123493 | .2930173 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4033859 | .0102735 | .0096973 | F 1.805433 | .0237112 | .0968075 |
| Stddev | .0013297 | .0000425 | .0001228 | .009354    | .0005587 | .0006237 |
| %RSD   | .3296252 | .4138915 | 1.266466 | .5180860   | 2.356192 | .6442484 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4048058 | .0102592 | .0096382 | 1.799865 | .0231266 | .0969171 |
| #2 | .4031821 | .0103213 | .0096152 | 1.800201 | .0242398 | .0961363 |
| #3 | .4021700 | .0102399 | .0098385 | 1.816232 | .0237673 | .0973691 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0526757 | .1948421 | .0336859 | F 1.670145 | .0799743 | F .0272216 |
| Stddev | .0011196 | .0055302 | .0004209 | .020221    | .0005188 | .0002435   |
| %RSD   | 2.125438 | 2.838277 | 1.249455 | 1.210749   | .6486708 | .8943859   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0515546 | .1898141 | .0333591 | 1.690675 | .0795564 | .0269643 |
| #2 | .0526787 | .1939469 | .0341608 | 1.669513 | .0798114 | .0274484 |
| #3 | .0537938 | .2007652 | .0335377 | 1.650247 | .0805549 | .0272522 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.319040 | .1099729 | .1326238 | 7.619408 | .0218182 | F .0185250 |
| Stddev | .075113  | .0034119 | .0056846 | .024002  | .0011536 | .0005522   |
| %RSD   | 1.026264 | 3.102493 | 4.286259 | .3150170 | 5.287401 | 2.980764   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.317054 | .1101081 | .1308933 | 7.591693 | .0205305 | .0179047 |
| #2 | 7.395126 | .1133152 | .1389725 | 7.633348 | .0221666 | .0187071 |
| #3 | 7.244940 | .1064954 | .1280055 | 7.633185 | .0227574 | .0189631 |

Sample Name: PB103787BS      Acquired: 11/2/2017 17:55:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0210352 | .1752279 | .1900047 | F .0109650 | .0012794 | .0893624 |
| Stddev | .0002380 | .0038673 | .0016675 | .0015851   | .0004449 | .0003473 |
| %RSD   | 1.131542 | 2.207020 | .8775845 | 14.45601   | 34.77603 | .3886129 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0207893 | .1773020 | .1913090 | .0127676 | .0010142 | .0895221 |
| #2 | .0212645 | .1707660 | .1881259 | .0097890 | .0010309 | .0896012 |
| #3 | .0210519 | .1776158 | .1905791 | .0103383 | .0017930 | .0889641 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2097347 |
| Stddev | .0001710 |
| %RSD   | .0815290 |

|    |          |
|----|----------|
| #1 | .2097990 |
| #2 | .2098642 |
| #3 | .2095409 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1388.127 | 2373.281 | 33533.28 | 10115.41 | 3348.849 |
| Stddev    | 6.309    | 4.942    | 49.72    | 9.36     | 10.818   |
| %RSD      | .4544924 | .2082274 | .1482783 | .0925586 | .3230501 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1395.402 | 2375.407 | 33530.85 | 10106.79 | 3347.823 |
| #2 | 1384.832 | 2376.804 | 33484.82 | 10125.37 | 3360.144 |
| #3 | 1384.148 | 2367.632 | 33584.17 | 10114.07 | 3338.581 |

Sample Name: PB103786BS      Acquired: 11/2/2017 18:04:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0180222 | .0524200 | .0185249 | .0642974 | .1093287 | .2864669 |
| Stddev | .0011359 | .0022192 | .0015696 | .0005472 | .0006378 | .0040782 |
| %RSD   | 6.302911 | 4.233551 | 8.473099 | .8509784 | .5834146 | 1.423605 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0191281 | .0538803 | .0194336 | .0644904 | .1096102 | .2895743 |
| #2 | .0180801 | .0535135 | .0194287 | .0636799 | .1097774 | .2879774 |
| #3 | .0168584 | .0498662 | .0167124 | .0647218 | .1085986 | .2818490 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .3995074 | .0098566 | .0095010 | F 1.762444 | .0230936 | .0950847 |
| Stddev | .0015916 | .0000854 | .0000935 | .006711    | .0002267 | .0003950 |
| %RSD   | .3983994 | .8667732 | .9845820 | .3807824   | .9815148 | .4154485 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4012983 | .0097966 | .0094961 | 1.765230 | .0229910 | .0946458 |
| #2 | .3989696 | .0098188 | .0094101 | 1.754789 | .0233534 | .0954118 |
| #3 | .3982543 | .0099544 | .0095969 | 1.767314 | .0229364 | .0951964 |

|        |          |          |          |            |          |            |
|--------|----------|----------|----------|------------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm        |
| Avg    | .0517313 | .1847315 | .0327483 | F 1.626464 | .0780679 | F .0272290 |
| Stddev | .0009278 | .0066343 | .0005968 | .019153    | .0006397 | .0002125   |
| %RSD   | 1.793421 | 3.591298 | 1.822360 | 1.177569   | .8193714 | .7805265   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0527603 | .1836248 | .0327382 | 1.638520 | .0773374 | .0270026 |
| #2 | .0514747 | .1787202 | .0321566 | 1.636492 | .0783389 | .0274242 |
| #3 | .0509588 | .1918495 | .0333500 | 1.604379 | .0785275 | .0272603 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 7.105431 | .1051705 | .1331510 | 7.331728 | .0205116 | F .0175983 |
| Stddev | .035850  | .0016008 | .0038110 | .026672  | .0017590 | .0004805   |
| %RSD   | .5045384 | 1.522112 | 2.862137 | .3637933 | 8.575372 | 2.730556   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.146455 | .1035071 | .1303794 | 7.361873 | .0217762 | .0172546 |
| #2 | 7.089711 | .1053039 | .1374969 | 7.311192 | .0212559 | .0173929 |
| #3 | 7.080127 | .1067004 | .1315768 | 7.322117 | .0185029 | .0181474 |

Sample Name: PB103786BS      Acquired: 11/2/2017 18:04:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0206259 | .1694684 | .1814441 | F .0125566 | .0019547 | .0868177 |
| Stddev | .0001571 | .0019321 | .0012012 | .0006320   | .0005486 | .0008913 |
| %RSD   | .7617331 | 1.140100 | .6620076 | 5.033575   | 28.06733 | 1.026688 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0204908 | .1716966 | .1812689 | .0118295 | .0016775 | .0878363 |
| #2 | .0207983 | .1682565 | .1803402 | .0128664 | .0016000 | .0864367 |
| #3 | .0205884 | .1684522 | .1827233 | .0129740 | .0025866 | .0861802 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2069353 |
| Stddev | .0002778 |
| %RSD   | .1342183 |

|    |          |
|----|----------|
| #1 | .2071414 |
| #2 | .2070451 |
| #3 | .2066195 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1401.618 | 2393.385 | 33933.13 | 10375.67 | 3390.661 |
| Stddev    | 1.494    | 4.246    | 61.43    | 18.57    | 3.580    |
| %RSD      | .1065915 | .1774097 | .1810263 | .1789465 | .1055832 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1401.359 | 2389.528 | 33900.51 | 10386.89 | 3392.145 |
| #2 | 1400.270 | 2397.935 | 33894.90 | 10385.89 | 3393.261 |
| #3 | 1403.224 | 2392.692 | 34003.99 | 10354.24 | 3386.578 |

Sample Name: CCV029      Acquired: 11/2/2017 18:08:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV029      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.961665 | 4.806556 | 24.31086 | 4.805728 | 4.845742 | F 284.0791 |
| Stddev | .023890  | .032791  | .09880   | .022310  | .023291  | 2.7049     |
| %RSD   | .4814959 | .6822201 | .4063855 | .4642417 | .4806487 | .9521658   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.968393 | 4.804877 | 24.23549 | 4.810277 | 4.856173 | 282.6503 |
| #2 | 4.935133 | 4.774637 | 24.27439 | 4.781494 | 4.819059 | 287.1988 |
| #3 | 4.981470 | 4.840155 | 24.42271 | 4.825413 | 4.861994 | 282.3882 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.919756 | .5078270 | 2.491138 | F 323.0173 | 15.19362 | 2.480483 |
| Stddev | .106807  | .0033149 | .010718  | .2817      | .02812   | .011161  |
| %RSD   | 1.076711 | .6527697 | .4302427 | .0872045   | .1850813 | .4499708 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.03720 | .5064497 | 2.481540 | 323.2214 | 15.22461 | 2.473025 |
| #2 | 9.89362  | .5116086 | 2.489172 | 322.6959 | 15.16972 | 2.475109 |
| #3 | 9.82844  | .5054228 | 2.502703 | 323.1346 | 15.18654 | 2.493315 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.90020 | F 311.9567 | 15.03644 | F 325.3493 | 2.465187 | 1.264419 |
| Stddev | .02151   | .7034      | .03303   | .6591      | .011849  | .002837  |
| %RSD   | .1443410 | .2254734   | .2196819 | .2025765   | .4806369 | .2243831 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.92482 | 311.6314 | 15.00351 | 325.0677 | 2.457478 | 1.267588 |
| #2 | 14.88506 | 312.7638 | 15.06957 | 326.1024 | 2.459254 | 1.262114 |
| #3 | 14.89073 | 311.4748 | 15.03625 | 324.8779 | 2.478830 | 1.263557 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 289.1513 | 2.464856 | 15.01375 | 149.0326 | 5.198773 | 4.669184 |
| Stddev | .7376      | .014660  | .15064   | .1196    | .026931  | .037068  |
| %RSD   | .2550846   | .5947423 | 1.003331 | .0802215 | .5180277 | .7938850 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 289.5218 | 2.471169 | 15.03997 | 149.0870 | 5.202248 | 4.647040 |
| #2 | 289.6303 | 2.448098 | 14.85172 | 149.1154 | 5.170274 | 4.711978 |
| #3 | 288.3020 | 2.475302 | 15.14955 | 148.8956 | 5.223799 | 4.648536 |



Sample Name: CCV029      Acquired: 11/2/2017 18:08:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV029      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.767659 | 5.080884 | 4.969739 | 4.839625 | 4.983643 | 4.967025 |
| Stddev | .017018  | .017157  | .024407  | .010121  | .006307  | .009767  |
| %RSD   | .3569498 | .3376810 | .4911049 | .2091269 | .1265540 | .1966344 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.762548 | 5.071837 | 4.958698 | 4.845643 | 4.984696 | 4.977843 |
| #2 | 4.753783 | 5.070144 | 4.997715 | 4.845291 | 4.976875 | 4.958855 |
| #3 | 4.786648 | 5.100671 | 4.952803 | 4.827940 | 4.989356 | 4.964376 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.970968 |
| Stddev | .039171  |
| %RSD   | .7879942 |

|    |          |
|----|----------|
| #1 | 4.958847 |
| #2 | 5.014767 |
| #3 | 4.939290 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1159.856 | 1964.800 | 28589.50 | 9541.477 | 2364.070 |
| Stddev    | 4.272    | 8.939    | 41.31    | 57.542   | 10.164   |
| %RSD      | .3683605 | .4549472 | .1444803 | .6030674 | .4299266 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1157.455 | 1965.590 | 28544.44 | 9587.832 | 2369.833 |
| #2 | 1164.789 | 1973.318 | 28625.58 | 9477.075 | 2370.043 |
| #3 | 1157.324 | 1955.493 | 28598.47 | 9559.525 | 2352.334 |

Sample Name: CCB029      Acquired: 11/2/2017 18:13:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB029      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011627 | -.000338 | -.000406 | .0003599 | -.000742 | .0039319 | .0005020 |
| Stddev | .0025056 | .001699  | .000412  | .0022460 | .000591  | .0040354 | .0000053 |
| %RSD   | 215.4993 | 503.0027 | 101.5500 | 624.0091 | 79.64924 | 102.6302 | 1.052987 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000818 | .001457  | -.000144 | -.002148 | -.000845 | .0012740 | .0005054 |
| #2 | .000326  | -.001921 | -.000881 | .001042  | -.000106 | .0085754 | .0004959 |
| #3 | .003980  | -.000548 | -.000192 | .002186  | -.001275 | .0019464 | .0005047 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000007 | -.000072 | .0063624 | .0004952 | -.000063 | .0021987 | .0097002 |
| Stddev | .000023  | .000039  | .0013200 | .0004380 | .000038  | .0005585 | .0050721 |
| %RSD   | 345.7208 | 54.16673 | 20.74728 | 88.44194 | 60.53592 | 25.40205 | 52.28888 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000026 | -.000099 | .0061098 | .0003167 | -.000103 | .0024053 | .0114216 |
| #2 | -.000013 | -.000089 | .0077905 | .0009943 | -.000027 | .0026245 | .0039914 |
| #3 | .000019  | -.000027 | .0051869 | .0001747 | -.000059 | .0015663 | .0136877 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001211 | .0049358 | .0005183 | -.000231 | .0590821 | .0006512 | -.002502 |
| Stddev | .0003683 | .0136294 | .0003004 | .000492  | .0316304 | .0018691 | .001124  |
| %RSD   | 304.2296 | 276.1357 | 57.96052 | 212.9668 | 53.53636 | 287.0277 | 44.90807 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004424 | .0116327 | .0004534 | .000028  | .0326732 | -.000157 | -.002805 |
| #2 | .0002016 | .0139211 | .0008459 | -.000798 | .0941363 | .002788  | -.003443 |
| #3 | -.000281 | -.010747 | .0002557 | .000077  | .0504369 | -.000678 | -.001258 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020104 | .0011984 | .0017143 | .0006224 | .0119196 | -.002772 | .0011559 |
| Stddev | .0431370 | .0008757 | .0012638 | .0002467 | .0025327 | .002598  | .0012203 |
| %RSD   | 2145.673 | 73.06804 | 73.71987 | 39.62602 | 21.24844 | 93.70595 | 105.5749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.038505 | .0004267 | .0031234 | .0008586 | .0143987 | .000140  | .0007519 |
| #2 | -.002825 | .0010185 | .0013385 | .0006421 | .0120234 | -.003607 | .0025270 |
| #3 | .047361  | .0021501 | .0006811 | .0003665 | .0093365 | -.004850 | .0001888 |

Sample Name: CCB029      Acquired: 11/2/2017 18:13:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB029      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000248 | -.003281 | -.000170 |
| Stddev | .001285  | .000375  | .000034  |
| %RSD   | 517.2742 | 11.42712 | 19.98017 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000393 | -.003390 | -.000131 |
| #2 | -.001455 | -.003590 | -.000192 |
| #3 | .001103  | -.002864 | -.000188 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1451.529 | 2510.784 | 34597.68 | 10159.88 | 3580.269 |
| Stddev    | 9.115    | 10.664   | 156.57   | 39.31    | 9.401    |
| %RSD      | .6279503 | .4247180 | .4525484 | .3868836 | .2625867 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1443.266 | 2498.546 | 34531.22 | 10121.00 | 3577.187 |
| #2 | 1450.015 | 2518.082 | 34485.30 | 10159.03 | 3590.824 |
| #3 | 1461.306 | 2515.723 | 34776.52 | 10199.60 | 3572.795 |

Sample Name: I6162-21      Acquired: 11/2/2017 18:17:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023206 | .0003400 | -.000448 | -.001326 | -.001839 | -.002602 | .0005226 |
| Stddev | .0007604 | .0013947 | .000813  | .000746  | .000997  | .005848  | .0000371 |
| %RSD   | 32.76857 | 410.1988 | 181.3358 | 56.29935 | 54.22732 | 224.7551 | 7.106978 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019920 | .0013334 | .000443  | -.001507 | -.001257 | -.003802 | .0005512 |
| #2 | .0031901 | -.001254 | -.001149 | -.001965 | -.002990 | -.007757 | .0005361 |
| #3 | .0017798 | .000941  | -.000640 | -.000505 | -.001269 | .003753  | .0004806 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000688 | -.000142 | -.010522 | -.000187 | -.000015 | -.000898 | -.004790 |
| Stddev | .0000453 | .000028  | .001489  | .000248  | .000217  | .000749  | .005850  |
| %RSD   | 65.79733 | 19.96999 | 14.14939 | 132.6301 | 1466.502 | 83.47313 | 122.1089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000765 | -.000175 | -.011657 | -.000125 | -.000227 | -.001759 | -.005158 |
| #2 | .0001098 | -.000131 | -.011074 | .000024  | .000206  | -.000393 | -.010447 |
| #3 | .0000202 | -.000121 | -.008837 | -.000460 | -.000023 | -.000542 | .001234  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000203 | .0197449 | .0003896 | -.000287 | .0662412 | .0003023 | -.004864 |
| Stddev | .000428  | .0055859 | .0002403 | .000339  | .0501391 | .0016288 | .001622  |
| %RSD   | 210.8515 | 28.29044 | 61.67420 | 118.1409 | 75.69171 | 538.7877 | 33.33921 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000696 | .0229833 | .0001861 | -.000504 | .0175561 | .0020987 | -.006509 |
| #2 | .000013  | .0132948 | .0003281 | .000104  | .1177177 | -.001078 | -.003267 |
| #3 | .000074  | .0229564 | .0006547 | -.000461 | .0634499 | -.000113 | -.004816 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -3.02405 | .0022510 | -.002937 | -.000435 | .0077576 | -.008221 | -.002159 |
| Stddev | .02100   | .0023582 | .000202  | .000045  | .0028595 | .000767  | .000813  |
| %RSD   | .6945592 | 104.7622 | 6.884934 | 10.37418 | 36.86087 | 9.326797 | 37.63990 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -3.01201 | .0002511 | -.003159 | -.000439 | .0108114 | -.008980 | -.003073 |
| #2 | -3.04831 | .0016504 | -.002888 | -.000477 | .0073180 | -.007447 | -.001885 |
| #3 | -3.01184 | .0048513 | -.002764 | -.000388 | .0051433 | -.008235 | -.001519 |

Sample Name: I6162-21      Acquired: 11/2/2017 18:17:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000283 | -.009854 | -.000359 |
| Stddev | .000894  | .000145  | .000008  |
| %RSD   | 315.9853 | 1.473366 | 2.321603 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000622  | -.009977 | -.000366 |
| #2 | -.000306 | -.009694 | -.000350 |
| #3 | -.001164 | -.009891 | -.000360 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1515.719 | 2558.604 | 35456.25 | 10486.33 | 3673.978 |
| Stddev    | 8.674    | 19.217   | 96.99    | 55.48    | 20.993   |
| %RSD      | .5722485 | .7510897 | .2735408 | .5290315 | .5714007 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1523.839 | 2577.635 | 35450.85 | 10549.28 | 3696.674 |
| #2 | 1516.737 | 2558.972 | 35555.83 | 10444.55 | 3670.004 |
| #3 | 1506.582 | 2539.205 | 35362.08 | 10465.17 | 3655.255 |

Sample Name: I6046-17      Acquired: 11/2/2017 18:21:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E18      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000218 | .0012373 | -.000713 | -.001721 | -.002147 | -.001728 | .0000200 |
| Stddev | .002084  | .0009717 | .001644  | .003039  | .001233  | .003627  | .0001212 |
| %RSD   | 957.9479 | 78.53079 | 230.6566 | 176.6092 | 57.44430 | 209.8287 | 607.2897 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001329 | .0022233 | -.002534 | -.002052 | -.001727 | .000556  | .0000316 |
| #2 | -.001510 | .0002805 | -.000266 | -.004580 | -.003536 | -.005910 | -.000107 |
| #3 | .002187  | .0012082 | .000662  | .001470  | -.001178 | .000169  | .000135  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000229 | -.000167 | .0050395 | .0000677 | -.000015 | .0021803 | -.002399 |
| Stddev | .0000280 | .000054  | .0055319 | .0001661 | .000031  | .0004661 | .003496  |
| %RSD   | 122.1103 | 32.13516 | 109.7709 | 245.5238 | 200.4531 | 21.37584 | 145.7390 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000496 | -.000145 | .0080310 | -.000017 | -.000009 | .0023404 | -.006254 |
| #2 | .0000256 | -.000128 | .0084315 | .000259  | .000012  | .0016553 | .000565  |
| #3 | -.000006 | -.000229 | -.001344 | -.000039 | -.000048 | .0025452 | -.001506 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000300 | .0095107 | .0004086 | -.000171 | .1405866 | -.001831 | -.002617 |
| Stddev | .000271  | .0048519 | .0002005 | .000090  | .0551668 | .000736  | .004416  |
| %RSD   | 90.45155 | 51.01475 | 49.06042 | 52.80261 | 39.24045 | 40.19121 | 168.7300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000110 | .0078225 | .0002056 | -.000221 | .0801604 | -.002586 | -.003933 |
| #2 | -.000179 | .0149812 | .0006064 | -.000226 | .1533387 | -.001116 | .002307  |
| #3 | -.000611 | .0057285 | .0004139 | -.000067 | .1882606 | -.001791 | -.006226 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -3.02538 | -.000244 | -.003640 | -.000564 | .0051139 | -.008041 | -.001900 |
| Stddev | .00585   | .001300  | .000507  | .000193  | .0016127 | .000301  | .002055  |
| %RSD   | .1934008 | 532.4356 | 13.93444 | 34.23060 | 31.53550 | 3.747432 | 108.1117 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -3.02918 | .000160  | -.004224 | -.000423 | .0069288 | -.008110 | -.003801 |
| #2 | -3.01864 | -.001698 | -.003394 | -.000484 | .0038451 | -.008301 | .000280  |
| #3 | -3.02831 | .000806  | -.003304 | -.000784 | .0045679 | -.007711 | -.002180 |

Sample Name: I6046-17      Acquired: 11/2/2017 18:21:27      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E18      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000667 | -.009605 | -.000363 |
| Stddev | .001041  | .000469  | .000021  |
| %RSD   | 156.0817 | 4.885981 | 5.740381 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000368 | -.009063 | -.000350 |
| #2 | .000192  | -.009878 | -.000387 |
| #3 | -.001824 | -.009874 | -.000352 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1473.898 | 2468.845 | 34791.45 | 10444.32 | 3602.115 |
| Stddev    | 4.688    | 4.254    | 110.83   | 43.65    | 10.442   |
| %RSD      | .3180790 | .1722933 | .3185421 | .4179510 | .2898844 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1475.040 | 2470.228 | 34909.75 | 10489.28 | 3601.131 |
| #2 | 1477.909 | 2472.234 | 34690.04 | 10441.58 | 3613.014 |
| #3 | 1468.744 | 2464.072 | 34774.57 | 10402.10 | 3592.199 |

Sample Name: I6105-06      Acquired: 11/2/2017 18:25:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E59      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0161861 | .0019914 | .0748068 | -.004344 | .0028647 | 62.36978 | .1324214 |
| Stddev | .0050832 | .0028662 | .0021842 | .002018  | .0018624 | .22573   | .0001848 |
| %RSD   | 31.40467 | 143.9294 | 2.919785 | 46.45943 | 65.01178 | .3619187 | .1395498 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0220348 | -.000622 | .0752311 | -.002645 | .0049438 | 62.51539 | .1325676 |
| #2 | .0136906 | .001539  | .0767477 | -.003812 | .0023014 | 62.10976 | .1322137 |
| #3 | .0128330 | .005057  | .0724416 | -.006574 | .0013490 | 62.48420 | .1324829 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027509 | -.001139 | 1.564022 | .1392487 | .0075898 | .0435571 | 106.1754 |
| Stddev | .0001244 | .000050  | .018940  | .0008544 | .0003163 | .0004496 | .2609    |
| %RSD   | 4.523446 | 4.361140 | 1.210986 | .6136172 | 4.167861 | 1.032214 | .2456833 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027333 | -.001167 | 1.544923 | .1394363 | .0072313 | .0438372 | 105.8790 |
| #2 | .0026362 | -.001082 | 1.564346 | .1383160 | .0078296 | .0437955 | 106.2774 |
| #3 | .0028832 | -.001169 | 1.582799 | .1399938 | .0077085 | .0430385 | 106.3698 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0952000 | .9616413 | .0332691 | -.014742 | .3026384 | .2897168 | .0490664 |
| Stddev | .0005407 | .0069688 | .0006002 | .000216  | .0275446 | .0012933 | .0028425 |
| %RSD   | .5679914 | .7246751 | 1.804051 | 1.464584 | 9.101500 | .4463972 | 5.793210 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0956175 | .9690420 | .0336425 | -.014756 | .2812475 | .2882511 | .0465142 |
| #2 | .0945892 | .9552048 | .0325768 | -.014519 | .2929494 | .2906975 | .0521298 |
| #3 | .0953934 | .9606772 | .0335880 | -.014950 | .3337184 | .2902017 | .0485552 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.756032 | .7763393 | -.134665 | .0049537 | 1.226844 | 1.826012 | .0073073 |
| Stddev | .025353  | .0115188 | .000923  | .0003411 | .004571  | .003808  | .0025715 |
| %RSD   | 3.353456 | 1.483736 | .6854812 | 6.886181 | .3726037 | .2085364 | 35.19030 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.759466 | .7772437 | -.134633 | .0046170 | 1.232114 | 1.824723 | .0050026 |
| #2 | -.779493 | .7873793 | -.135604 | .0052991 | 1.223946 | 1.823015 | .0068385 |
| #3 | -.729136 | .7643950 | -.133759 | .0049449 | 1.224474 | 1.830297 | .0100810 |



Sample Name: I6105-06      Acquired: 11/2/2017 18:25:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E59      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5983569 | .0115767 | .0229056 |
| Stddev | .0020245 | .0001863 | .0000728 |
| %RSD   | .3383448 | 1.609373 | .3177522 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6006155 | .0117790 | .0229778 |
| #2 | .5967052 | .0114121 | .0229067 |
| #3 | .5977501 | .0115390 | .0228322 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1429.976 | 2427.100 | 34376.37 | 10725.13 | 3189.327 |
| Stddev    | 2.076    | 9.073    | 56.13    | 33.85    | 9.130    |
| %RSD      | .1451888 | .3738069 | .1632721 | .3156312 | .2862662 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1427.886 | 2417.671 | 34359.22 | 10702.30 | 3179.285 |
| #2 | 1430.004 | 2427.859 | 34330.82 | 10764.03 | 3197.126 |
| #3 | 1432.039 | 2435.769 | 34439.07 | 10709.08 | 3191.572 |

Sample Name: I6105-07      Acquired: 11/2/2017 18:29:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E60      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0143498 | .0021684 | .0792731 | -.002309 | .0030806 | 57.64068 | .1365911 |
| Stddev | .0015907 | .0008338 | .0015201 | .002030  | .0003754 | .08111   | .0005086 |
| %RSD   | 11.08515 | 38.45180 | 1.917558 | 87.90683 | 12.18541 | .1407159 | .3723414 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0161517 | .0012900 | .0795955 | -.004061 | .0031268 | 57.70109 | .1370300 |
| #2 | .0137571 | .0022662 | .0776177 | -.000085 | .0026843 | 57.67245 | .1367096 |
| #3 | .0131405 | .0029490 | .0806062 | -.002781 | .0034308 | 57.54849 | .1360338 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024315 | -.001119 | 1.471103 | .1293097 | .0071548 | .0400020 | 93.86724 |
| Stddev | .0000205 | .000060  | .015682  | .0009221 | .0001587 | .0006316 | .26788   |
| %RSD   | .8436588 | 5.366538 | 1.066000 | .7131087 | 2.218421 | 1.578914 | .2853869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024186 | -.001077 | 1.474395 | .1295831 | .0069734 | .0401354 | 93.56107 |
| #2 | .0024552 | -.001188 | 1.454036 | .1282818 | .0072683 | .0405563 | 93.98214 |
| #3 | .0024207 | -.001092 | 1.484877 | .1300642 | .0072227 | .0393144 | 94.05851 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1056523 | .8441102 | .0338997 | -.013041 | .2916408 | .2560012 | .0780398 |
| Stddev | .0009453 | .0049814 | .0004024 | .000219  | .0224522 | .0020454 | .0050799 |
| %RSD   | .8947224 | .5901364 | 1.187071 | 1.675656 | 7.698594 | .7989661 | 6.509339 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1049222 | .8410517 | .0334482 | -.012812 | .3065479 | .2539332 | .0798522 |
| #2 | .1053147 | .8498583 | .0340300 | -.013064 | .2658178 | .2580231 | .0723023 |
| #3 | .1067201 | .8414207 | .0342207 | -.013247 | .3025567 | .2560474 | .0819649 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.682910 | .8979683 | -.118780 | .0044442 | 1.021866 | 2.098672 | .0060150 |
| Stddev | .019374  | .0096111 | .000513  | .0001053 | .004391  | .008382  | .0005219 |
| %RSD   | 2.837016 | 1.070318 | .4319279 | 2.369061 | .4297208 | .3994045 | 8.676424 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.697893 | .8930813 | -.118220 | .0044520 | 1.016825 | 2.095671 | .0064538 |
| #2 | -.689806 | .8917827 | -.119228 | .0043352 | 1.023910 | 2.108141 | .0054379 |
| #3 | -.661031 | .9090409 | -.118893 | .0045454 | 1.024862 | 2.092202 | .0061533 |

Sample Name: I6105-07      Acquired: 11/2/2017 18:29:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E60      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5883441 | .0083885 | .0213993 |
| Stddev | .0015169 | .0001776 | .0000663 |
| %RSD   | .2578244 | 2.116534 | .3098372 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5884330 | .0082414 | .0214030 |
| #2 | .5898145 | .0083383 | .0214637 |
| #3 | .5867846 | .0085857 | .0213312 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.928 | 2470.373 | 34576.33 | 10725.18 | 3239.880 |
| Stddev    | 4.057    | 4.711    | 100.76   | 29.53    | 6.475    |
| %RSD      | .2807686 | .1907183 | .2914273 | .2753603 | .1998408 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1449.486 | 2469.713 | 34580.03 | 10759.21 | 3239.990 |
| #2 | 1443.586 | 2475.379 | 34675.20 | 10706.17 | 3246.299 |
| #3 | 1441.712 | 2466.026 | 34473.77 | 10710.17 | 3233.351 |

Sample Name: I6105-08      Acquired: 11/2/2017 18:33:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E61      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6090892 | .0021462 | 5.816854 | -.005485 | .0060331 | 39.37262 | 1.543543 |
| Stddev | .0022641 | .0007394 | .009480  | .000527  | .0007048 | .05641   | .004909  |
| %RSD   | .3717248 | 34.45019 | .1629683 | 9.599730 | 11.68179 | .1432620 | .3180502 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6116315 | .0016923 | 5.823857 | -.006093 | .0063435 | 39.32947 | 1.543686 |
| #2 | .6083459 | .0029993 | 5.806067 | -.005198 | .0052264 | 39.35193 | 1.548378 |
| #3 | .6072901 | .0017469 | 5.820637 | -.005165 | .0065295 | 39.43645 | 1.538563 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0036798 | .0036970 | 12.06761 | .0907659 | .0538708 | .9198531 | 120.4650 |
| Stddev | .0001146 | .0001857 | .06390   | .0007917 | .0004803 | .0011875 | .6612    |
| %RSD   | 3.115752 | 5.024289 | .5295392 | .8722325 | .8914990 | .1290921 | .5488342 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035542 | .0035237 | 12.13976 | .0908767 | .0535843 | .9185883 | 121.2283 |
| #2 | .0037065 | .0036742 | 12.01815 | .0914964 | .0536030 | .9209440 | 120.0922 |
| #3 | .0037788 | .0038931 | 12.04491 | .0899247 | .0544253 | .9200272 | 120.0744 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.909728 | 3.076725 | .0746564 | -.015213 | .4611593 | .1932238 | 3.874629 |
| Stddev | .012044  | .021978  | .0002713 | .000184  | .0331747 | .0056902 | .046641  |
| %RSD   | .6306454 | .7143309 | .3634327 | 1.208749 | 7.193765 | 2.944859 | 1.203741 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.923406 | 3.090187 | .0749575 | -.015386 | .4617971 | .1996673 | 3.845688 |
| #2 | 1.905069 | 3.051363 | .0745805 | -.015020 | .4940105 | .1888889 | 3.849765 |
| #3 | 1.900711 | 3.088624 | .0744310 | -.015232 | .4276702 | .1911151 | 3.928433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6496163 | 4.833038 | -.141416 | .0038224 | 2.125041 | 4.501457 | .0932502 |
| Stddev | .0330305 | .017705  | .000419  | .0001968 | .008863  | .033557  | .0019708 |
| %RSD   | 5.084613 | .3663287 | .2963857 | 5.148087 | .4170779 | .7454671 | 2.113419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6876968 | 4.820454 | -.141880 | .0035954 | 2.135263 | 4.534047 | .0909751 |
| #2 | .6324258 | 4.853283 | -.141303 | .0039268 | 2.120362 | 4.467011 | .0943445 |
| #3 | .6287264 | 4.825377 | -.141064 | .0039450 | 2.119498 | 4.503315 | .0944310 |

Sample Name: I6105-08      Acquired: 11/2/2017 18:33:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E61      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6142545 | .0229430 | .1487983 |
| Stddev | .0017147 | .0004771 | .0002061 |
| %RSD   | .2791513 | 2.079301 | .1385261 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6140691 | .0224438 | .1486040 |
| #2 | .6126399 | .0233943 | .1487765 |
| #3 | .6160543 | .0229907 | .1490145 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1410.787 | 2384.547 | 34233.03 | 10550.72 | 3169.083 |
| Stddev    | 7.857    | 2.063    | 69.91    | 75.23    | 5.457    |
| %RSD      | .5569194 | .0865212 | .2042192 | .7130009 | .1721859 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1405.297 | 2385.116 | 34187.46 | 10468.22 | 3165.331 |
| #2 | 1419.787 | 2386.266 | 34313.52 | 10615.51 | 3175.343 |
| #3 | 1407.277 | 2382.259 | 34198.11 | 10568.44 | 3166.576 |

Sample Name: I6105-09      Acquired: 11/2/2017 18:37:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E62      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4137940 | .0008735 | 2.616452 | -.000326 | .0031376 | 37.49407 | 1.052603 |
| Stddev | .0058194 | .0009725 | .003314  | .002824  | .0006764 | .11610   | .004569  |
| %RSD   | 1.406339 | 111.3341 | .1266503 | 866.7490 | 21.55800 | .3096577 | .4340540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4088218 | .0003162 | 2.614879 | -.002412 | .0027254 | 37.37919 | 1.053832 |
| #2 | .4123655 | .0019965 | 2.614218 | .002887  | .0027692 | 37.61136 | 1.056432 |
| #3 | .4201945 | .0003079 | 2.620260 | -.001453 | .0039183 | 37.49168 | 1.047546 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025161 | .0010640 | 6.261343 | .0730995 | .0123269 | .1584685 | 55.74512 |
| Stddev | .0000952 | .0000548 | .027917  | .0001786 | .0002290 | .0022042 | .14047   |
| %RSD   | 3.785574 | 5.145996 | .4458663 | .2442863 | 1.857363 | 1.390920 | .2519793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026076 | .0010312 | 6.250525 | .0731792 | .0120827 | .1561524 | 55.70508 |
| #2 | .0025231 | .0011272 | 6.240454 | .0728950 | .0123613 | .1605404 | 55.62902 |
| #3 | .0024175 | .0010336 | 6.293050 | .0732243 | .0125367 | .1587127 | 55.90125 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8067807 | 2.259565 | .0309723 | -.007302 | .2465545 | .1426090 | 2.324600 |
| Stddev | .0007423 | .002367  | .0000973 | .000518  | .0667727 | .0039804 | .023070  |
| %RSD   | .0920110 | .1047430 | .3140009 | 7.091399 | 27.08234 | 2.791133 | .9924187 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8068871 | 2.258782 | .0309442 | -.007442 | .2049155 | .1385003 | 2.298073 |
| #2 | .8059909 | 2.257688 | .0310805 | -.007736 | .3235722 | .1428791 | 2.335759 |
| #3 | .8074641 | 2.262223 | .0308921 | -.006729 | .2111758 | .1464474 | 2.339969 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.283598 | 3.651961 | -.065176 | .0024523 | .7763179 | 2.882762 | .0325613 |
| Stddev | .027338  | .030363  | .002048  | .0001612 | .0096358 | .019934  | .0023406 |
| %RSD   | 9.639869 | .8314169 | 3.142472 | 6.573566 | 1.241218 | .6914958 | 7.188268 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.258647 | 3.616977 | -.067122 | .0023876 | .7716902 | 2.897602 | .0347340 |
| #2 | -.279325 | 3.671443 | -.063039 | .0026357 | .7698689 | 2.860104 | .0300829 |
| #3 | -.312821 | 3.667465 | -.065365 | .0023334 | .7873946 | 2.890581 | .0328671 |

Sample Name: I6105-09      Acquired: 11/2/2017 18:37:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E62      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4657069 | .0181962 | .0941851 |
| Stddev | .0015034 | .0005320 | .0003722 |
| %RSD   | .3228136 | 2.923683 | .3951328 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4639770 | .0176826 | .0940753 |
| #2 | .4666969 | .0187449 | .0945998 |
| #3 | .4664469 | .0181610 | .0938802 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1418.865 | 2449.693 | 34362.62 | 10485.30 | 3312.206 |
| Stddev    | 2.197    | 15.411   | 83.29    | 25.21    | 13.187   |
| %RSD      | .1548676 | .6291056 | .2423915 | .2403928 | .3981198 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1419.607 | 2454.831 | 34384.83 | 10512.48 | 3310.175 |
| #2 | 1416.392 | 2461.878 | 34270.47 | 10480.74 | 3326.290 |
| #3 | 1420.595 | 2432.369 | 34432.56 | 10462.69 | 3300.152 |

Sample Name: I6105-10      Acquired: 11/2/2017 18:41:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E63      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1957338 | .0016996 | .5858914 | -.000485 | .0023064 | 35.77337 | .3853746 |
| Stddev | .0052930 | .0008967 | .0023751 | .000482  | .0002343 | .08347   | .0004406 |
| %RSD   | 2.704160 | 52.76298 | .4053846 | 99.39661 | 10.15971 | .2333195 | .1143267 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1899959 | .0026055 | .5858053 | -.000269 | .0020412 | 35.83221 | .3848759 |
| #2 | .2004255 | .0016809 | .5835606 | -.000149 | .0024853 | 35.81006 | .3857109 |
| #3 | .1967799 | .0008123 | .5883084 | -.001037 | .0023929 | 35.67785 | .3855371 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021670 | -.000332 | 2.725674 | .0586108 | .0095125 | .0519675 | 56.23634 |
| Stddev | .0000485 | .000047  | .013260  | .0003933 | .0001403 | .0007556 | .12579   |
| %RSD   | 2.240117 | 14.31321 | .4864789 | .6710467 | 1.474990 | 1.453904 | .2236754 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022074 | -.000341 | 2.716863 | .0588860 | .0095443 | .0519706 | 56.23482 |
| #2 | .0021804 | -.000280 | 2.740924 | .0587860 | .0093590 | .0512104 | 56.11132 |
| #3 | .0021132 | -.000374 | 2.719236 | .0581603 | .0096342 | .0527215 | 56.36288 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3483474 | 2.732874 | .0248695 | -.008044 | .2012202 | .1232542 | .6749224 |
| Stddev | .0015128 | .016919  | .0006113 | .000539  | .1967267 | .0038144 | .0067913 |
| %RSD   | .4342644 | .6190829 | 2.458007 | 6.696549 | 97.76689 | 3.094708 | 1.006227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3500895 | 2.740963 | .0255046 | -.008086 | .0714643 | .1236168 | .6687901 |
| #2 | .3475868 | 2.713429 | .0242851 | -.007485 | .1046238 | .1268742 | .6822214 |
| #3 | .3473658 | 2.744231 | .0248187 | -.008559 | .4275725 | .1192714 | .6737559 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.728406 | 1.874961 | -.068828 | .0026274 | .3574000 | 1.846556 | .0076186 |
| Stddev | .047562  | .032304  | .001325  | .0000662 | .0057203 | .005078  | .0029139 |
| %RSD   | 6.529536 | 1.722921 | 1.924850 | 2.519336 | 1.600541 | .2749716 | 38.24792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.743145 | 1.900357 | -.070319 | .0026787 | .3635789 | 1.851909 | .0072813 |
| #2 | -.766854 | 1.838602 | -.068381 | .0025527 | .3522886 | 1.841809 | .0048879 |
| #3 | -.675220 | 1.885924 | -.067785 | .0026508 | .3563323 | 1.845948 | .0106865 |



Sample Name: I6105-10      Acquired: 11/2/2017 18:41:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E63      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4191256 | .0167589 | .0406608 |
| Stddev | .0026147 | .0002575 | .0001088 |
| %RSD   | .6238571 | 1.536327 | .2676705 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4220862 | .0167836 | .0407804 |
| #2 | .4171325 | .0164900 | .0406344 |
| #3 | .4181581 | .0170032 | .0405676 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1414.067 | 2403.155 | 34069.94 | 10473.98 | 3304.118 |
| Stddev    | 2.104    | 1.203    | 89.87    | 11.42    | 10.497   |
| %RSD      | .1487751 | .0500522 | .2637940 | .1090377 | .3176973 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1415.901 | 2402.570 | 34144.81 | 10461.13 | 3303.154 |
| #2 | 1411.771 | 2404.538 | 33970.27 | 10477.83 | 3315.064 |
| #3 | 1414.529 | 2402.356 | 34094.73 | 10482.98 | 3294.136 |

Sample Name: I6105-11      Acquired: 11/2/2017 18:45:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E72      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0092645 | -.001213 | .0509111 | -.002303 | .0013601 | 38.77381 | .1072976 |
| Stddev | .0029818 | .002006  | .0016590 | .002517  | .0011659 | .10186   | .0002428 |
| %RSD   | 32.18460 | 165.3352 | 3.258566 | 109.3149 | 85.72647 | .2627011 | .2263019 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0102193 | -.003104 | .0518165 | -.003776 | .0020389 | 38.73533 | .1073943 |
| #2 | .0116519 | .000891  | .0489964 | -.003736 | .0000138 | 38.88930 | .1074771 |
| #3 | .0059223 | -.001427 | .0519204 | .000604  | .0020275 | 38.69680 | .1070213 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017422 | -.000771 | -.277407 | .0772804 | .0050013 | .0232023 | 55.33800 |
| Stddev | .0000453 | .000150  | .022063  | .0007315 | .0002304 | .0025134 | .14352   |
| %RSD   | 2.602670 | 19.47780 | 7.953174 | .9465389 | 4.607131 | 10.83259 | .2593462 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017132 | -.000914 | -.302879 | .0778272 | .0050537 | .0237329 | 55.47885 |
| #2 | .0017944 | -.000614 | -.265011 | .0764495 | .0047492 | .0254080 | 55.19195 |
| #3 | .0017189 | -.000786 | -.264329 | .0775644 | .0052010 | .0204659 | 55.34320 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0689311 | .4367513 | .0206361 | -.007424 | .2000114 | .1730313 | .0729421 |
| Stddev | .0004029 | .0050770 | .0000760 | .000276  | .0831534 | .0041680 | .0006994 |
| %RSD   | .5844968 | 1.162444 | .3681766 | 3.714992 | 41.57432 | 2.408800 | .9588024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0684659 | .4327679 | .0205497 | -.007742 | .2554064 | .1727209 | .0733498 |
| #2 | .0691689 | .4424680 | .0206661 | -.007277 | .2402333 | .1690273 | .0733421 |
| #3 | .0691585 | .4350182 | .0206925 | -.007253 | .1043946 | .1773459 | .0721346 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.17384 | .5649795 | -.072353 | .0028832 | .3927584 | 2.290177 | .0009394 |
| Stddev | .01796   | .0059588 | .000483  | .0003296 | .0025280 | .018018  | .0014956 |
| %RSD   | 1.529878 | 1.054693 | .6676849 | 11.43039 | .6436521 | .7867693 | 159.2057 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.15717 | .5715498 | -.072128 | .0025325 | .3952699 | 2.304588 | .0020462 |
| #2 | -1.19285 | .5599249 | -.072908 | .0031865 | .3927913 | 2.295969 | -.000762 |
| #3 | -1.17150 | .5634640 | -.072024 | .0029304 | .3902142 | 2.269975 | .001534  |

Sample Name: I6105-11      Acquired: 11/2/2017 18:45:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E72      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4487238 | .0019750 | .0060264 |
| Stddev | .0029758 | .0002567 | .0000154 |
| %RSD   | .6631712 | 12.99997 | .2558108 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4487569 | .0020457 | .0060217 |
| #2 | .4516829 | .0016903 | .0060437 |
| #3 | .4457315 | .0021890 | .0060139 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.930 | 2437.923 | 34506.88 | 10620.21 | 3313.744 |
| Stddev    | 5.995    | 9.231    | 62.41    | 59.80    | 7.773    |
| %RSD      | .4149117 | .3786576 | .1808731 | .5630382 | .2345751 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1447.817 | 2434.081 | 34435.63 | 10554.19 | 3312.124 |
| #2 | 1438.037 | 2448.455 | 34551.87 | 10635.69 | 3322.199 |
| #3 | 1448.935 | 2431.233 | 34533.15 | 10670.74 | 3306.908 |

Sample Name: I6105-12      Acquired: 11/2/2017 18:50:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066289 | -.001952 | .0736849 | -.001558 | .0003952 | 9.473536 | .0567461 |
| Stddev | .0020350 | .001100  | .0023367 | .000518  | .0007543 | .017813  | .0001905 |
| %RSD   | 30.69923 | 56.33382 | 3.171142 | 33.25669 | 190.8597 | .1880242 | .3356754 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0083045 | -.001452 | .0715213 | -.001057 | .0007827 | 9.476669 | .0567158 |
| #2 | .0072178 | -.001192 | .0733706 | -.002091 | -.000474 | 9.454364 | .0565726 |
| #3 | .0043644 | -.003213 | .0761628 | -.001527 | .000877  | 9.489574 | .0569499 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003835 | .0000153 | 3.808192 | .0266349 | .0020363 | .0195575 | 16.49640 |
| Stddev | .0000494 | .0001037 | .017148  | .0002385 | .0001892 | .0016508 | .10527   |
| %RSD   | 12.89169 | 677.3135 | .4503047 | .8952526 | 9.290406 | 8.440999 | .6381270 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004294 | -.000041 | 3.811773 | .0265245 | .0018200 | .0183553 | 16.38583 |
| #2 | .0003312 | -.000048 | 3.789536 | .0264717 | .0021176 | .0214397 | 16.50795 |
| #3 | .0003900 | .000135  | 3.823267 | .0269086 | .0021711 | .0188775 | 16.59541 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2031042 | .9903138 | .0098666 | -.002534 | .1400072 | .0383700 | .1019892 |
| Stddev | .0006626 | .0120615 | .0004881 | .000360  | .0749612 | .0014921 | .0033910 |
| %RSD   | .3262302 | 1.217950 | 4.946852 | 14.21470 | 53.54096 | 3.888682 | 3.324817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2032313 | 1.003673 | .0095098 | -.002938 | .1942492 | .0400608 | .1058815 |
| #2 | .2023873 | .987044  | .0104228 | -.002417 | .0544693 | .0372378 | .0996741 |
| #3 | .2036941 | .980224  | .0096672 | -.002247 | .1713032 | .0378114 | .1004121 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.53980 | 1.093884 | -.021491 | .0005000 | .4986159 | 1.110573 | -.000612 |
| Stddev | .01908   | .009066  | .001192  | .0001983 | .0052224 | .006549  | .002717  |
| %RSD   | 1.239228 | .8287989 | 5.547290 | 39.65655 | 1.047384 | .5897011 | 444.2199 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.54907 | 1.098247 | -.021613 | .0002711 | .5045704 | 1.104514 | -.003017 |
| #2 | -1.55246 | 1.083461 | -.020243 | .0006201 | .4948128 | 1.109682 | -.001154 |
| #3 | -1.51785 | 1.099943 | -.022618 | .0006088 | .4964647 | 1.117521 | .002336  |

Sample Name: I6105-12      Acquired: 11/2/2017 18:50:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2370445 | -.004518 | .0194077 |
| Stddev | .0011947 | .000156  | .0001167 |
| %RSD   | .5040028 | 3.448422 | .6012000 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2381097 | -.004668 | .0192895 |
| #2 | .2372711 | -.004531 | .0194108 |
| #3 | .2357527 | -.004357 | .0195228 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1430.781 | 2407.818 | 34673.13 | 10549.46 | 3418.475 |
| Stddev    | 2.774    | 1.250    | 45.70    | 42.28    | 9.977    |
| %RSD      | .1938916 | .0519153 | .1317953 | .4007803 | .2918647 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1431.904 | 2407.528 | 34628.91 | 10565.55 | 3420.887 |
| #2 | 1432.817 | 2409.188 | 34670.30 | 10581.33 | 3427.026 |
| #3 | 1427.621 | 2406.739 | 34720.18 | 10501.49 | 3407.513 |

Sample Name: I6105-13      Acquired: 11/2/2017 18:54:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E74      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1782939 | -.002049 | 2.461834 | .0012822 | .0010581 | 23.02191 | 1.008706 |
| Stddev | .0028890 | .001105  | .008959  | .0013630 | .0005188 | .08963   | .004880  |
| %RSD   | 1.620357 | 53.94287 | .3639049 | 106.3064 | 49.02985 | .3893177 | .4838173 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1753740 | -.002537 | 2.463278 | .0010462 | .0016569 | 23.02528 | 1.014252 |
| #2 | .1783566 | -.000784 | 2.452241 | .0000526 | .0007746 | 22.93065 | 1.005065 |
| #3 | .1811510 | -.002825 | 2.469983 | .0027478 | .0007429 | 23.10981 | 1.006802 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012480 | .0020103 | 13.71168 | .0775111 | .0053339 | .2576871 | 37.99361 |
| Stddev | .0000531 | .0000788 | .10406   | .0005811 | .0000604 | .0027205 | .10724   |
| %RSD   | 4.259047 | 3.919422 | .7589072 | .7496496 | 1.132700 | 1.055752 | .2822657 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013059 | .0020365 | 13.59360 | .0773014 | .0054028 | .2565414 | 37.87403 |
| #2 | .0012015 | .0020726 | 13.75144 | .0781679 | .0052898 | .2557269 | 38.02550 |
| #3 | .0012367 | .0019217 | 13.78999 | .0770640 | .0053092 | .2607931 | 38.08128 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3858071 | 2.141541 | .0588138 | -.004833 | .2323904 | .0842375 | .8387557 |
| Stddev | .0022208 | .034281  | .0005416 | .000309  | .0423113 | .0014811 | .0149027 |
| %RSD   | .5756216 | 1.600772 | .9207809 | 6.386147 | 18.20697 | 1.758209 | 1.776761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3832506 | 2.103091 | .0592511 | -.005052 | .2630369 | .0859353 | .8307478 |
| #2 | .3872581 | 2.168915 | .0582080 | -.004480 | .2500193 | .0835663 | .8295688 |
| #3 | .3869127 | 2.152616 | .0589822 | -.004968 | .1841151 | .0832109 | .8559503 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.650542 | 5.035981 | -.045006 | .0015066 | .8076959 | 5.128525 | .0274187 |
| Stddev | .059742  | .067340  | .000501  | .0000892 | .0081794 | .034381  | .0017681 |
| %RSD   | 9.183486 | 1.337185 | 1.113780 | 5.922334 | 1.012677 | .6703799 | 6.448417 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.643632 | 5.000363 | -.044466 | .0014972 | .8119249 | 5.094749 | .0288507 |
| #2 | -.713439 | 4.993930 | -.045456 | .0014224 | .7982678 | 5.127346 | .0254425 |
| #3 | -.594555 | 5.113650 | -.045096 | .0016001 | .8128949 | 5.163480 | .0279629 |

Sample Name: I6105-13      Acquired: 11/2/2017 18:54:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E74      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4168250 | .0059365 | .1381056 |
| Stddev | .0017083 | .0004223 | .0007714 |
| %RSD   | .4098405 | 7.113541 | .5585797 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4176014 | .0063027 | .1386292 |
| #2 | .4148664 | .0054746 | .1372198 |
| #3 | .4180073 | .0060321 | .1384680 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1409.883 | 2387.640 | 34233.56 | 10579.24 | 3291.653 |
| Stddev    | 13.107   | 2.759    | 149.84   | 47.52    | 4.763    |
| %RSD      | .9296409 | .1155635 | .4376971 | .4492231 | .1446998 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1395.322 | 2390.788 | 34072.22 | 10622.48 | 3289.178 |
| #2 | 1420.736 | 2386.491 | 34368.36 | 10586.89 | 3297.144 |
| #3 | 1413.592 | 2385.641 | 34260.10 | 10528.36 | 3288.638 |

Sample Name: I6105-14      Acquired: 11/2/2017 18:58:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E75      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2383204 | .0009691 | .5555146 | .0048166 | .0010857 | 38.79682 | .4067462 |
| Stddev | .0018438 | .0013798 | .0021409 | .0014720 | .0008282 | .06955   | .0018798 |
| %RSD   | .7736747 | 142.3802 | .3853949 | 30.56105 | 76.28284 | .1792564 | .4621614 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2395908 | -.000575 | .5533240 | .0062964 | .0003018 | 38.71836 | .4062579 |
| #2 | .2391650 | .002081  | .5556175 | .0048009 | .0010031 | 38.85088 | .4088220 |
| #3 | .2362056 | .001402  | .5576022 | .0033525 | .0019520 | 38.82123 | .4051587 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016402 | .0001065 | 6.283955 | .0608468 | .0072378 | .0927807 | 41.85211 |
| Stddev | .0000513 | .0000647 | .047529  | .0010817 | .0002635 | .0011681 | .18056   |
| %RSD   | 3.129751 | 60.71583 | .7563487 | 1.777811 | 3.640770 | 1.258947 | .4314347 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016594 | .0001274 | 6.229242 | .0620763 | .0072456 | .0920027 | 41.65682 |
| #2 | .0015820 | .0001581 | 6.307594 | .0604226 | .0069705 | .0922155 | 42.01300 |
| #3 | .0016791 | .0000340 | 6.315028 | .0600414 | .0074974 | .0941238 | 41.88652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3185490 | 1.563715 | .1232568 | -.005669 | .2353365 | .1064411 | .3959137 |
| Stddev | .0008557 | .016347  | .0002907 | .000073  | .0266441 | .0021964 | .0063683 |
| %RSD   | .2686188 | 1.045411 | .2358341 | 1.279494 | 11.32172 | 2.063499 | 1.608515 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3181331 | 1.550727 | .1234686 | -.005665 | .2264570 | .1040287 | .3939014 |
| #2 | .3195331 | 1.582072 | .1233764 | -.005598 | .2652866 | .1083251 | .4030451 |
| #3 | .3179808 | 1.558348 | .1229254 | -.005743 | .2142659 | .1069693 | .3907946 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.395598 | 7.845640 | -.051533 | .0026758 | .4606360 | 3.389245 | .0374356 |
| Stddev | .025010  | .024281  | .000412  | .0000702 | .0044727 | .008726  | .0013789 |
| %RSD   | 6.322132 | .3094794 | .8002591 | 2.622641 | .9709780 | .2574509 | 3.683321 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.395778 | 7.866877 | -.051586 | .0026643 | .4575973 | 3.379181 | .0389353 |
| #2 | -.370498 | 7.850875 | -.051096 | .0026120 | .4585388 | 3.393854 | .0371489 |
| #3 | -.420517 | 7.819169 | -.051916 | .0027510 | .4657719 | 3.394699 | .0362226 |



Sample Name: I6105-14      Acquired: 11/2/2017 18:58:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E75      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3128502 | .0190633 | .0587921 |
| Stddev | .0024251 | .0003845 | .0002842 |
| %RSD   | .7751562 | 2.017082 | .4834063 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3101015 | .0193733 | .0585955 |
| #2 | .3137616 | .0191836 | .0591179 |
| #3 | .3146876 | .0186330 | .0586628 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1428.882 | 2457.339 | 34524.25 | 10595.01 | 3334.935 |
| Stddev    | 6.566    | 13.773   | 103.82   | 24.90    | 10.286   |
| %RSD      | .4595391 | .5604943 | .3007128 | .2350257 | .3084292 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1423.619 | 2449.121 | 34417.15 | 10618.35 | 3332.760 |
| #2 | 1426.786 | 2473.240 | 34531.17 | 10568.80 | 3346.135 |
| #3 | 1436.240 | 2449.655 | 34624.44 | 10597.87 | 3325.911 |

Sample Name: I6105-15      Acquired: 11/2/2017 19:02:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E76      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2831264 | .0006612 | .1568246 | -.000078 | .0022069 | 47.93064 | .2285420 |
| Stddev | .0024388 | .0004843 | .0012324 | .001530  | .0007137 | .08859   | .0007985 |
| %RSD   | .8613768 | 73.24962 | .7858597 | 1973.991 | 32.34126 | .1848326 | .3493868 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2856345 | .0010325 | .1573349 | -.001412 | .0025756 | 47.82860 | .2293335 |
| #2 | .2807635 | .0001134 | .1577199 | -.000414 | .0013842 | 47.97537 | .2277366 |
| #3 | .2829811 | .0008377 | .1554189 | .001593  | .0026609 | 47.98795 | .2285558 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020757 | -.000640 | 1.291504 | .0777731 | .0105595 | .0311726 | 50.53055 |
| Stddev | .0000860 | .000073  | .020915  | .0003793 | .0000576 | .0006570 | .02197   |
| %RSD   | 4.144613 | 11.40396 | 1.619456 | .4877287 | .5450064 | 2.107794 | .0434825 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019975 | -.000595 | 1.268420 | .0780123 | .0106060 | .0311504 | 50.55438 |
| #2 | .0021679 | -.000724 | 1.309193 | .0779714 | .0104951 | .0318404 | 50.51110 |
| #3 | .0020616 | -.000601 | 1.296899 | .0773358 | .0105772 | .0305269 | 50.52618 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2231167 | 2.364258 | .0848515 | -.007161 | .1464497 | .1264889 | .1905366 |
| Stddev | .0009387 | .014937  | .0003949 | .000065  | .0759119 | .0023455 | .0029246 |
| %RSD   | .4207155 | .6317729 | .4654062 | .9080724 | 51.83478 | 1.854334 | 1.534915 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2222467 | 2.351801 | .0851773 | -.007231 | .0762975 | .1283286 | .1933217 |
| #2 | .2241116 | 2.380818 | .0844123 | -.007102 | .2270409 | .1272904 | .1874901 |
| #3 | .2229918 | 2.360156 | .0849648 | -.007150 | .1360108 | .1238477 | .1907979 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.667523 | 3.934974 | -.063254 | .0025662 | .2863890 | 6.276163 | .0046240 |
| Stddev | .016337  | .026177  | .000529  | .0002293 | .0050838 | .024338  | .0017372 |
| %RSD   | 2.447354 | .6652379 | .8370821 | 8.935906 | 1.775147 | .3877837 | 37.56972 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.650670 | 3.910666 | -.062643 | .0026152 | .2820512 | 6.249929 | .0064002 |
| #2 | -.668610 | 3.962687 | -.063538 | .0027670 | .2851327 | 6.298007 | .0045433 |
| #3 | -.683289 | 3.931569 | -.063580 | .0023163 | .2919833 | 6.280553 | .0029286 |

Sample Name: I6105-15      Acquired: 11/2/2017 19:02:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E76      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4144953 | .0233766 | .0206788 |
| Stddev | .0015955 | .0003994 | .0000563 |
| %RSD   | .3849138 | 1.708467 | .2721318 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4155780 | .0232736 | .0206786 |
| #2 | .4126632 | .0238175 | .0206226 |
| #3 | .4152449 | .0230389 | .0207352 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1424.883 | 2467.462 | 34204.59 | 10462.71 | 3325.173 |
| Stddev    | 11.815   | 2.117    | 33.63    | 25.68    | 3.672    |
| %RSD      | .8291567 | .0857835 | .0983077 | .2454323 | .1104332 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.264 | 2465.881 | 34169.54 | 10481.13 | 3321.737 |
| #2 | 1414.597 | 2469.867 | 34207.65 | 10433.38 | 3329.043 |
| #3 | 1437.787 | 2466.639 | 34236.59 | 10473.62 | 3324.740 |

Sample Name: I6105-16      Acquired: 11/2/2017 19:06:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0463379 | .0022760 | .0945471 | -.003387 | .0039077 | 75.56771 | .1877439 |
| Stddev | .0052672 | .0019075 | .0007477 | .001980  | .0004121 | .20905   | .0012480 |
| %RSD   | 11.36703 | 83.80547 | .7908595 | 58.45958 | 10.54627 | .2766437 | .6647558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0403448 | .0028403 | .0937534 | -.004348 | .0035138 | 75.80513 | .1889355 |
| #2 | .0484368 | .0001501 | .0946496 | -.004704 | .0043359 | 75.41121 | .1864462 |
| #3 | .0502321 | .0038377 | .0952383 | -.001110 | .0038733 | 75.48679 | .1878502 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0032433 | -.001569 | 1.202784 | .1645945 | .0102123 | .0577900 | 110.0852 |
| Stddev | .0001044 | .000077  | .022683  | .0006132 | .0001614 | .0013094 | .4722    |
| %RSD   | 3.217911 | 4.937876 | 1.885845 | .3725209 | 1.580640 | 2.265789 | .4289801 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031673 | -.001568 | 1.202498 | .1643579 | .0100681 | .0588424 | 109.7686 |
| #2 | .0033622 | -.001492 | 1.225608 | .1641349 | .0101822 | .0563237 | 109.8591 |
| #3 | .0032002 | -.001647 | 1.180246 | .1652907 | .0103867 | .0582041 | 110.6280 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1898908 | 2.030147 | .0568405 | -.015022 | .3604551 | .2999358 | .0330573 |
| Stddev | .0026743 | .004306  | .0005172 | .000288  | .0251401 | .0055504 | .0015662 |
| %RSD   | 1.408355 | .2120833 | .9098659 | 1.917020 | 6.974535 | 1.850538 | 4.737889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1876334 | 2.033975 | .0562669 | -.015141 | .3756360 | .2960790 | .0314369 |
| #2 | .1891946 | 2.025486 | .0569834 | -.015231 | .3314362 | .3062971 | .0345630 |
| #3 | .1928443 | 2.030980 | .0572712 | -.014693 | .3742931 | .2974312 | .0331720 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.014497 | .8389975 | -.137802 | .0048627 | .9297366 | 8.220398 | .0083754 |
| Stddev | .040051  | .0078196 | .001583  | .0002259 | .0142842 | .024035  | .0013533 |
| %RSD   | 276.2622 | .9320158 | 1.148898 | 4.646656 | 1.536373 | .2923832 | 16.15842 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.042106 | .8307130 | -.138449 | .0048588 | .9137706 | 8.211900 | .0072757 |
| #2 | -.032824 | .8462497 | -.135998 | .0050905 | .9341346 | 8.201766 | .0098867 |
| #3 | .031438  | .8400299 | -.138959 | .0046387 | .9413047 | 8.247528 | .0079636 |

Sample Name: I6105-16      Acquired: 11/2/2017 19:06:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7577569 | .0251905 | .0210121 |
| Stddev | .0020850 | .0006225 | .0000410 |
| %RSD   | .2751595 | 2.471000 | .1951230 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7601321 | .0251320 | .0210554 |
| #2 | .7569101 | .0245994 | .0209738 |
| #3 | .7562284 | .0258402 | .0210070 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1451.406 | 2460.654 | 34585.65 | 10703.98 | 3213.009 |
| Stddev    | 3.168    | 7.116    | 85.83    | 39.49    | 11.812   |
| %RSD      | .2183010 | .2892005 | .2481768 | .3689646 | .3676348 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1452.063 | 2466.409 | 34509.24 | 10720.65 | 3217.931 |
| #2 | 1447.960 | 2462.857 | 34678.52 | 10732.41 | 3221.564 |
| #3 | 1454.194 | 2452.697 | 34569.18 | 10658.89 | 3199.532 |

Sample Name: I6105-17      Acquired: 11/2/2017 19:10:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0274543 | .0022223 | .0681999 | -.002393 | .0024939 | 50.80315 | .0992877 |
| Stddev | .0021261 | .0028556 | .0003193 | .001963  | .0012473 | .06639   | .0003554 |
| %RSD   | 7.744031 | 128.4963 | .4681823 | 82.04846 | 50.01661 | .1306855 | .3579426 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0265729 | .0036417 | .0685208 | -.000617 | .0038246 | 50.85586 | .0990508 |
| #2 | .0259106 | .0040900 | .0681965 | -.004501 | .0023057 | 50.82501 | .0996963 |
| #3 | .0298793 | -.001065 | .0678823 | -.002060 | .0013513 | 50.72859 | .0991158 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017317 | -.001113 | .5116252 | .1095227 | .0053407 | .0491330 | 71.28149 |
| Stddev | .0000424 | .000061  | .0140056 | .0009935 | .0001759 | .0006268 | .06174   |
| %RSD   | 2.447432 | 5.439968 | 2.737464 | .9070733 | 3.294340 | 1.275637 | .0866152 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017322 | -.001113 | .4996223 | .1085112 | .0054747 | .0488458 | 71.29830 |
| #2 | .0016891 | -.001053 | .5270130 | .1104971 | .0054059 | .0498519 | 71.33308 |
| #3 | .0017739 | -.001174 | .5082405 | .1095598 | .0051414 | .0487013 | 71.21308 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0840861 | .5571747 | .0338306 | -.009883 | .3013830 | .2000292 | -.003088 |
| Stddev | .0003464 | .0132971 | .0006881 | .000144  | .0716598 | .0049573 | .000367  |
| %RSD   | .4119763 | 2.386520 | 2.033878 | 1.456062 | 23.77698 | 2.478299 | 11.89933 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0837650 | .5422635 | .0330409 | -.009880 | .2673707 | .1947772 | -.002664 |
| #2 | .0844532 | .5614593 | .0341497 | -.009740 | .2530631 | .2006836 | -.003279 |
| #3 | .0840401 | .5678013 | .0343012 | -.010028 | .3837152 | .2046269 | -.003320 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.737783 | .6458011 | -.090229 | .0037187 | .6491088 | 7.036580 | .0044832 |
| Stddev | .031115  | .0044561 | .000780  | .0000899 | .0070145 | .021659  | .0009376 |
| %RSD   | 4.217397 | .6900078 | .8648024 | 2.417784 | 1.080628 | .3077988 | 20.91392 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.725418 | .6438748 | -.090673 | .0037469 | .6571520 | 7.046351 | .0043851 |
| #2 | -.714751 | .6426322 | -.090685 | .0036180 | .6459133 | 7.011757 | .0054660 |
| #3 | -.773180 | .6508963 | -.089328 | .0037911 | .6442611 | 7.051631 | .0035985 |

Sample Name: I6105-17      Acquired: 11/2/2017 19:10:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5012383 | .0053757 | .0121377 |
| Stddev | .0024285 | .0002653 | .0000163 |
| %RSD   | .4844985 | 4.935301 | .1340195 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5030390 | .0052203 | .0121344 |
| #2 | .4984763 | .0052246 | .0121234 |
| #3 | .5021995 | .0056820 | .0121554 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1451.562 | 2466.378 | 34876.03 | 10790.00 | 3289.799 |
| Stddev    | 11.385   | 8.392    | 73.45    | 26.59    | 8.869    |
| %RSD      | .7843145 | .3402461 | .2105931 | .2464093 | .2695987 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1439.360 | 2459.895 | 34828.72 | 10770.68 | 3280.603 |
| #2 | 1453.428 | 2475.857 | 34838.72 | 10820.33 | 3298.300 |
| #3 | 1461.899 | 2463.383 | 34960.64 | 10779.00 | 3290.494 |

Sample Name: I6105-21      Acquired: 11/2/2017 19:14:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0129515 | -.001461 | .0941930 | .0007617 | .0017651 | 14.03044 | .0695620 |
| Stddev | .0011693 | .002016  | .0012759 | .0021994 | .0006027 | .06272   | .0002715 |
| %RSD   | 9.028601 | 137.9795 | 1.354570 | 288.7503 | 34.14448 | .4470065 | .3903199 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0122510 | -.003011 | .0941115 | .0006159 | .0022734 | 14.00441 | .0692561 |
| #2 | .0143014 | -.002190 | .0955078 | -.001361 | .0019226 | 13.98493 | .0696554 |
| #3 | .0123020 | .000818  | .0929598 | .003030  | .0010993 | 14.10198 | .0697744 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005770 | -.000095 | 3.011355 | .0338066 | .0026338 | .0270749 | 25.45577 |
| Stddev | .0000692 | .000114  | .030926  | .0005167 | .0000390 | .0016183 | .15557   |
| %RSD   | 11.99485 | 119.5112 | 1.026996 | 1.528344 | 1.481077 | 5.977205 | .6111225 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006444 | -.000181 | 2.992610 | .0343676 | .0025888 | .0282617 | 25.30151 |
| #2 | .0005804 | -.000139 | 2.994405 | .0337021 | .0026570 | .0252315 | 25.45319 |
| #3 | .0005061 | .000034  | 3.047051 | .0333502 | .0026557 | .0277315 | 25.61261 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2524387 | 1.172557 | .0106142 | -.003469 | .1508289 | .0606120 | .0893980 |
| Stddev | .0022457 | .023033  | .0002728 | .000648  | .0409005 | .0012967 | .0011009 |
| %RSD   | .8896048 | 1.964304 | 2.570417 | 18.67736 | 27.11712 | 2.139407 | 1.231435 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2513679 | 1.153049 | .0102995 | -.003342 | .1100524 | .0597271 | .0881271 |
| #2 | .2509288 | 1.166657 | .0107837 | -.002894 | .1505822 | .0621005 | .0900567 |
| #3 | .2550194 | 1.197966 | .0107595 | -.004171 | .1918522 | .0600084 | .0900101 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.43037 | 1.414674 | -.032545 | .0012358 | .4542074 | 3.225204 | .0071442 |
| Stddev | .02488   | .013903  | .000421  | .0001712 | .0089872 | .017596  | .0014360 |
| %RSD   | 1.739598 | .9827953 | 1.293839 | 13.84952 | 1.978649 | .5455895 | 20.10033 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.43100 | 1.414014 | -.032665 | .0013820 | .4560075 | 3.207922 | .0074179 |
| #2 | -1.45492 | 1.401112 | -.032894 | .0010476 | .4444564 | 3.224593 | .0084236 |
| #3 | -1.40517 | 1.428895 | -.032077 | .0012779 | .4621582 | 3.243098 | .0055910 |



Sample Name: I6105-21      Acquired: 11/2/2017 19:14:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3224374 | -.001392 | .0166391 |
| Stddev | .0035583 | .000291  | .0000951 |
| %RSD   | 1.103574 | 20.93003 | .5716921 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3186016 | -.001728 | .0165645 |
| #2 | .3230799 | -.001217 | .0166065 |
| #3 | .3256307 | -.001231 | .0167462 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.006 | 2411.446 | 34537.39 | 10425.40 | 3394.202 |
| Stddev    | 10.277   | 8.271    | 152.79   | 34.68    | 10.292   |
| %RSD      | .7222319 | .3429998 | .4423977 | .3326300 | .3032348 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1415.252 | 2412.226 | 34399.17 | 10441.23 | 3395.041 |
| #2 | 1419.103 | 2419.299 | 34511.56 | 10449.34 | 3404.049 |
| #3 | 1434.663 | 2402.812 | 34701.46 | 10385.64 | 3383.516 |

Sample Name: I6105-22      Acquired: 11/2/2017 19:18:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0161405 | -.001897 | .1239694 | -.001614 | .0005818 | 14.57782 | .0798587 |
| Stddev | .0017533 | .003771  | .0016171 | .000360  | .0004075 | .03974   | .0002787 |
| %RSD   | 10.86267 | 198.7661 | 1.304432 | 22.30274 | 70.03771 | .2725757 | .3489435 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0161023 | -.005167 | .1254845 | -.001202 | .0007297 | 14.54488 | .0797974 |
| #2 | .0144066 | -.002751 | .1222667 | -.001868 | .0001210 | 14.56664 | .0796158 |
| #3 | .0179125 | .002227  | .1241570 | -.001771 | .0008947 | 14.62195 | .0801629 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010860 | .0000024 | 3.447197 | .0407021 | .0041517 | .0412197 | 43.34424 |
| Stddev | .0000500 | .0000902 | .018935  | .0009650 | .0002658 | .0000985 | .34002   |
| %RSD   | 4.600026 | 3784.392 | .5492809 | 2.370793 | 6.403077 | .2389752 | .7844625 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011428 | .0000590 | 3.435774 | .0417448 | .0040209 | .0412809 | 43.09894 |
| #2 | .0010491 | -.000102 | 3.436763 | .0398406 | .0039766 | .0412720 | 43.20139 |
| #3 | .0010660 | .000050  | 3.469054 | .0405209 | .0044576 | .0411060 | 43.73238 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3316575 | 1.547166 | .0171819 | -.006337 | .1269750 | .0849835 | .1498662 |
| Stddev | .0028505 | .002352  | .0000464 | .000512  | .0306465 | .0011412 | .0060392 |
| %RSD   | .8594806 | .1520446 | .2698084 | 8.083547 | 24.13582 | 1.342893 | 4.029707 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3292671 | 1.544586 | .0171851 | -.005781 | .0955677 | .0837048 | .1568016 |
| #2 | .3308931 | 1.549193 | .0171341 | -.006789 | .1285581 | .0853470 | .1470289 |
| #3 | .3348123 | 1.547718 | .0172266 | -.006442 | .1567993 | .0858987 | .1457682 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.33813 | 1.459092 | -.057020 | .0025912 | .3561326 | 1.866931 | .0043123 |
| Stddev | .01713   | .004640  | .001099  | .0002453 | .0026950 | .017924  | .0013125 |
| %RSD   | 1.280372 | .3179737 | 1.927668 | 9.466105 | .7567501 | .9600879 | 30.43705 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.34060 | 1.455448 | -.056722 | .0028712 | .3592412 | 1.857552 | .0053418 |
| #2 | -1.35389 | 1.457513 | -.056101 | .0024144 | .3544528 | 1.855643 | .0047607 |
| #3 | -1.31989 | 1.464315 | -.058238 | .0024879 | .3547039 | 1.887599 | .0028343 |

Sample Name: I6105-22      Acquired: 11/2/2017 19:18:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E81      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3292541 | -.002192 | .0169923 |
| Stddev | .0025210 | .000289  | .0001525 |
| %RSD   | .7656789 | 13.19657 | .8976251 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3298221 | -.002403 | .0170705 |
| #2 | .3264975 | -.001863 | .0168166 |
| #3 | .3314426 | -.002311 | .0170899 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1417.752 | 2381.664 | 34075.07 | 10539.08 | 3334.663 |
| Stddev    | 19.628   | 1.609    | 436.21   | 53.41    | 7.518    |
| %RSD      | 1.384437 | .0675658 | 1.280151 | .5068097 | .2254463 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1395.742 | 2383.486 | 33576.45 | 10566.56 | 3335.891 |
| #2 | 1424.077 | 2381.066 | 34262.64 | 10573.16 | 3341.492 |
| #3 | 1433.438 | 2380.439 | 34386.12 | 10477.52 | 3326.607 |

Sample Name: I6106-01      Acquired: 11/2/2017 19:22:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E82      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.480266 | -.002130 | 7.930709 | -.002892 | .0105838 | 26.65106 | 1.387702 |
| Stddev | .006158  | .001876  | .035642  | .003123  | .0012013 | .00505   | .001736  |
| %RSD   | .4160169 | 88.06680 | .4494137 | 107.9845 | 11.34988 | .0189597 | .1251004 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.480202 | -.000367 | 7.906554 | -.000871 | .0094634 | 26.65526 | 1.387566 |
| #2 | 1.474140 | -.004102 | 7.913929 | -.001316 | .0104359 | 26.64545 | 1.386038 |
| #3 | 1.486456 | -.001922 | 7.971644 | -.006488 | .0118522 | 26.65247 | 1.389502 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031837 | .0054792 | 16.49815 | .1604849 | .0199151 | 1.177004 | 111.5259 |
| Stddev | .0000169 | .0000263 | .04189   | .0003488 | .0000824 | .002273  | .2164    |
| %RSD   | .5320961 | .4808018 | .2538919 | .2173616 | .4137044 | .1930826 | .1940410 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031661 | .0054720 | 16.45150 | .1600822 | .0198842 | 1.174664 | 111.3031 |
| #2 | .0031850 | .0054573 | 16.51040 | .1606934 | .0200085 | 1.177147 | 111.5394 |
| #3 | .0031999 | .0055084 | 16.53254 | .1606791 | .0198526 | 1.179202 | 111.7353 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.157418 | 3.524452 | .2599672 | -.012739 | .5256899 | .2036217 | 2.562725 |
| Stddev | .002816  | .017697  | .0018407 | .000179  | .0462096 | .0017977 | .021510  |
| %RSD   | .1305192 | .5021285 | .7080376 | 1.401630 | 8.790280 | .8828670 | .8393463 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.154645 | 3.506068 | .2599705 | -.012870 | .4765893 | .2016518 | 2.551141 |
| #2 | 2.157335 | 3.541371 | .2581249 | -.012812 | .5683282 | .2051735 | 2.549489 |
| #3 | 2.160275 | 3.525918 | .2618062 | -.012536 | .5321521 | .2040400 | 2.587544 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108529 | 5.508747 | -.132886 | .0049619 | 3.308681 | 2.006577 | .3222236 |
| Stddev | .0181731 | .025306  | .001888  | .0002190 | .007308  | .007803  | .0007453 |
| %RSD   | 167.4503 | .4593729 | 1.420963 | 4.413374 | .2208865 | .3888727 | .2313018 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0303281 | 5.522941 | -.134735 | .0049691 | 3.302344 | 1.998589 | .3230820 |
| #2 | -.005652 | 5.523770 | -.132962 | .0047394 | 3.316676 | 2.014181 | .3217408 |
| #3 | .007883  | 5.479530 | -.130960 | .0051772 | 3.307022 | 2.006960 | .3218481 |

Sample Name: I6106-01      Acquired: 11/2/2017 19:22:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E82      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4994898 | .0255528 | .2456071 |
| Stddev | .0018546 | .0002536 | .0000887 |
| %RSD   | .3713051 | .9923667 | .0361117 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4973483 | .0254585 | .2455572 |
| #2 | .5005720 | .0253599 | .2457095 |
| #3 | .5005491 | .0258400 | .2455546 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1400.527 | 2397.799 | 34279.24 | 10681.69 | 3234.659 |
| Stddev    | 5.098    | 9.736    | 68.01    | 45.25    | 10.693   |
| %RSD      | .3640019 | .4060228 | .1984061 | .4236566 | .3305767 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1401.341 | 2389.503 | 34224.30 | 10664.71 | 3230.414 |
| #2 | 1405.169 | 2408.517 | 34355.31 | 10647.38 | 3246.823 |
| #3 | 1395.071 | 2395.376 | 34258.12 | 10732.98 | 3226.741 |

Sample Name: I6106-02      Acquired: 11/2/2017 19:26:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5661032 | .0000417 | .3182704 | .0016765 | .0030961 | 46.02211 | .2998764 |
| Stddev | .0011626 | .0025712 | .0023416 | .0021450 | .0017721 | .00152   | .0010677 |
| %RSD   | .2053727 | 6168.615 | .7357430 | 127.9437 | 57.23701 | .0033099 | .3560390 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5647633 | -.000672 | .3165470 | .0007426 | .0036027 | 46.02218 | .3004929 |
| #2 | .5668457 | .002894  | .3173279 | .0001568 | .0045597 | 46.02055 | .2986435 |
| #3 | .5667005 | -.002097 | .3209365 | .0041301 | .0011259 | 46.02359 | .3004927 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022034 | -.000427 | 5.139377 | .0692211 | .0092553 | .0398874 | 61.34313 |
| Stddev | .0000330 | .000159  | .002317  | .0003327 | .0001629 | .0014651 | .17449   |
| %RSD   | 1.499534 | 37.32737 | .0450892 | .4805808 | 1.759810 | 3.673142 | .2844500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022399 | -.000573 | 5.137605 | .0696052 | .0091079 | .0413936 | 61.46613 |
| #2 | .0021945 | -.000450 | 5.138526 | .0690346 | .0092277 | .0398015 | 61.14343 |
| #3 | .0021757 | -.000257 | 5.141999 | .0690235 | .0094302 | .0384671 | 61.41984 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3696389 | 1.767512 | .0272461 | -.008264 | .2663597 | .1496853 | .5769304 |
| Stddev | .0004680 | .004650  | .0004997 | .000159  | .0717004 | .0040321 | .0056354 |
| %RSD   | .1265953 | .2630752 | 1.833842 | 1.929316 | 26.91864 | 2.693732 | .9767961 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3700721 | 1.772196 | .0269963 | -.008186 | .3019167 | .1474190 | .5752820 |
| #2 | .3691426 | 1.767442 | .0269206 | -.008447 | .3133324 | .1543407 | .5832063 |
| #3 | .3697018 | 1.762897 | .0278214 | -.008158 | .1838299 | .1472963 | .5723030 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.03470 | 3.940601 | -.077141 | .0039006 | .5025105 | 1.749172 | .0048731 |
| Stddev | .03249   | .033982  | .000863  | .0000412 | .0004491 | .002532  | .0006620 |
| %RSD   | 3.140117 | .8623507 | 1.118918 | 1.056525 | .0893775 | .1447336 | 13.58519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.99724  | 3.967436 | -.077185 | .0038966 | .5027455 | 1.747127 | .0044147 |
| #2 | -1.05519 | 3.902391 | -.077982 | .0038616 | .5027933 | 1.748386 | .0045726 |
| #3 | -1.05168 | 3.951975 | -.076257 | .0039437 | .5019926 | 1.752003 | .0056321 |

Sample Name: I6106-02      Acquired: 11/2/2017 19:26:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3129355 | .0191183 | .0727360 |
| Stddev | .0016168 | .0001468 | .0001892 |
| %RSD   | .5166465 | .7679923 | .2601102 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3147949 | .0191885 | .0729464 |
| #2 | .3118610 | .0192169 | .0725798 |
| #3 | .3121506 | .0189496 | .0726819 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1411.926 | 2439.726 | 33893.57 | 10435.31 | 3297.214 |
| Stddev    | 9.930    | 3.559    | 71.88    | 12.70    | 6.107    |
| %RSD      | .7033110 | .1458671 | .2120672 | .1217156 | .1852116 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1419.052 | 2443.216 | 33827.79 | 10440.26 | 3293.263 |
| #2 | 1400.583 | 2439.860 | 33882.63 | 10420.88 | 3304.248 |
| #3 | 1416.142 | 2436.102 | 33970.29 | 10444.78 | 3294.132 |

Sample Name: I6106-03      Acquired: 11/2/2017 19:30:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E84      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1830237 | .0031631 | .0665330 | -.004743 | .0026809 | 61.08238 | .1455122 |
| Stddev | .0036700 | .0023899 | .0002536 | .002154  | .0007524 | .13291   | .0005221 |
| %RSD   | 2.005227 | 75.55773 | .3811184 | 45.42015 | 28.06369 | .2175863 | .3587758 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1838050 | .0043990 | .0668206 | -.003722 | .0021982 | 61.22541 | .1460961 |
| #2 | .1862401 | .0004082 | .0663415 | -.003288 | .0035478 | 60.96270 | .1453500 |
| #3 | .1790259 | .0046820 | .0664370 | -.007217 | .0022968 | 61.05902 | .1450905 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026862 | -.001522 | 2.190938 | .1273337 | .0090104 | .0400381 | 93.44462 |
| Stddev | .0000672 | .000106  | .010836  | .0005627 | .0002413 | .0002800 | .29486   |
| %RSD   | 2.500052 | 6.987324 | .4945744 | .4419059 | 2.678227 | .6992125 | .3155404 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027225 | -.001636 | 2.202837 | .1278350 | .0087783 | .0397756 | 93.50026 |
| #2 | .0026087 | -.001504 | 2.181638 | .1267251 | .0089928 | .0400060 | 93.12591 |
| #3 | .0027273 | -.001425 | 2.188340 | .1274411 | .0092600 | .0403328 | 93.70770 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1603101 | 2.612377 | .0313717 | -.012668 | .2948759 | .2456953 | .0611665 |
| Stddev | .0014210 | .008357  | .0003775 | .000384  | .0521576 | .0016877 | .0031367 |
| %RSD   | .8863809 | .3199184 | 1.203429 | 3.034810 | 17.68798 | .6869071 | 5.128203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1587673 | 2.602743 | .0309752 | -.012752 | .3365589 | .2463268 | .0599566 |
| #2 | .1615652 | 2.617679 | .0317269 | -.012248 | .2363872 | .2437829 | .0647280 |
| #3 | .1605978 | 2.616709 | .0314130 | -.013003 | .3116818 | .2469762 | .0588149 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.298986 | 1.020226 | -.116934 | .0051756 | .5733235 | 1.521878 | .0059707 |
| Stddev | .046602  | .009546  | .001406  | .0004111 | .0016328 | .011914  | .0020217 |
| %RSD   | 15.58679 | .9356351 | 1.201965 | 7.943855 | .2847948 | .7828517 | 33.86018 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.312752 | 1.016177 | -.117325 | .0056463 | .5721766 | 1.530404 | .0053067 |
| #2 | -.337155 | 1.013371 | -.115375 | .0048864 | .5726010 | 1.508265 | .0043645 |
| #3 | -.247052 | 1.031128 | -.118103 | .0049942 | .5751929 | 1.526964 | .0082409 |



Sample Name: I6106-03      Acquired: 11/2/2017 19:30:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E84      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5478842 | .0192863 | .0377492 |
| Stddev | .0034217 | .0007897 | .0000906 |
| %RSD   | .6245201 | 4.094512 | .2399568 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5511088 | .0201765 | .0378477 |
| #2 | .5442947 | .0190123 | .0376696 |
| #3 | .5482492 | .0186702 | .0377303 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1424.355 | 2457.563 | 33991.22 | 10467.74 | 3281.976 |
| Stddev    | 7.077    | 9.658    | 86.87    | 41.86    | 11.090   |
| %RSD      | .4968529 | .3929720 | .2555529 | .3999423 | .3379132 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1430.256 | 2462.958 | 33929.41 | 10440.15 | 3286.741 |
| #2 | 1416.509 | 2463.318 | 33953.71 | 10515.91 | 3289.887 |
| #3 | 1426.301 | 2446.414 | 34090.53 | 10447.15 | 3269.299 |

Sample Name: CCV030      Acquired: 11/2/2017 19:35:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV030      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.120976 | 4.906195 | 25.54988 | 4.977432 | 5.009614 | F 288.3382 |
| Stddev | .129088  | .089716  | .53647   | .125723  | .129563  | 4.2649     |
| %RSD   | 2.520776 | 1.828622 | 2.099708 | 2.525865 | 2.586279 | 1.479120   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.268006 | 5.002440 | 26.16137 | 5.119899 | 5.157614 | 285.7274 |
| #2 | 5.026236 | 4.824883 | 25.15833 | 4.882038 | 4.916679 | 293.2598 |
| #3 | 5.068686 | 4.891261 | 25.32994 | 4.930360 | 4.954550 | 286.0274 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.946042 | .4964713 | 2.529289 | F 322.3644 | 15.15630 | 2.527079 |
| Stddev | .070368  | .0034281 | .049710  | 1.9505     | .04363   | .054365  |
| %RSD   | .7074991 | .6904892 | 1.965392 | .6050616   | .2878622 | 2.151291 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.993512 | .4939927 | 2.585469 | 320.9008 | 15.18044 | 2.589008 |
| #2 | 9.979418 | .5003835 | 2.491001 | 324.5787 | 15.10594 | 2.487219 |
| #3 | 9.865196 | .4950379 | 2.511397 | 321.6137 | 15.18253 | 2.505011 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.04378 | F 309.4499 | 14.90904 | F 322.2007 | 2.514203 | 1.272600 |
| Stddev | .01839   | 2.1315     | .10819   | 2.0488     | .055539  | .001443  |
| %RSD   | .1222121 | .6887964   | .7256835 | .6358837   | 2.209016 | .1133699 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.02490 | 308.5535 | 14.84582 | 320.6985 | 2.577414 | 1.274215 |
| #2 | 15.04482 | 311.8832 | 15.03397 | 324.5346 | 2.473225 | 1.272147 |
| #3 | 15.06162 | 307.9130 | 14.84734 | 321.3691 | 2.491970 | 1.271438 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 289.0476 | 2.480227 | 15.75834 | 150.0207 | 5.322685 | 4.627891 |
| Stddev | 1.1287     | .004579  | .15604   | .1040    | .093271  | .036896  |
| %RSD   | .3904993   | .1846334 | .9901960 | .0692993 | 1.752322 | .7972570 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 288.2984 | 2.477044 | 15.93120 | 150.0774 | 5.423653 | 4.595401 |
| #2 | 290.3458 | 2.485475 | 15.62790 | 150.0840 | 5.239744 | 4.668003 |
| #3 | 288.4985 | 2.478161 | 15.71591 | 149.9007 | 5.304657 | 4.620268 |

Sample Name: CCV030      Acquired: 11/2/2017 19:35:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV030      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.892439 | 5.186275 | 4.910976 | 4.919545 | 5.027856 | 4.995827 |
| Stddev | .123217  | .123553  | .034974  | .092012  | .011470  | .010086  |
| %RSD   | 2.518519 | 2.382303 | .7121579 | 1.870327 | .2281335 | .2018788 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.032322 | 5.326691 | 4.884008 | 5.013152 | 5.016229 | 4.997503 |
| #2 | 4.799980 | 5.094210 | 4.950493 | 4.829217 | 5.039163 | 4.985009 |
| #3 | 4.845014 | 5.137923 | 4.898428 | 4.916265 | 5.028177 | 5.004970 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.005719 |
| Stddev | .032080  |
| %RSD   | .6408664 |

|    |          |
|----|----------|
| #1 | 5.010395 |
| #2 | 5.035204 |
| #3 | 4.971558 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1127.542 | 1896.163 | 28277.06 | 9565.872 | 2294.950 |
| Stddev    | 8.004    | 48.189   | 96.31    | 67.257   | 49.407   |
| %RSD      | .7098836 | 2.541402 | .3405937 | .7030911 | 2.152872 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1118.472 | 1840.860 | 28172.98 | 9598.980 | 2238.158 |
| #2 | 1130.535 | 1929.139 | 28363.04 | 9488.480 | 2328.047 |
| #3 | 1133.618 | 1918.490 | 28295.16 | 9610.158 | 2318.643 |

Sample Name: CCB030      Acquired: 11/2/2017 19:39:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB030      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000263 | .0000992 | -.000622 | -.000541 | -.000297 | -.003430 | -.000061 |
| Stddev | .001330  | .0020141 | .000332  | .002338  | .000838  | .002407  | .000110  |
| %RSD   | 505.2999 | 2030.308 | 53.43194 | 432.0402 | 281.9230 | 70.17274 | 180.0058 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000972 | -.001507 | -.001004 | .002076  | .000407  | -.006133 | -.000005 |
| #2 | .001272  | -.000554 | -.000453 | -.001275 | -.000075 | -.001517 | -.000187 |
| #3 | -.001090 | .002359  | -.000407 | -.002425 | -.001224 | -.002640 | .000009  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000068 | -.000129 | -.001583 | -.000160 | -.000068 | .0009033 | -.003861 |
| Stddev | .000012  | .000021  | .003949  | .000380  | .000239  | .0011146 | .003052  |
| %RSD   | 17.98222 | 16.00430 | 249.3957 | 237.3812 | 351.8588 | 123.3886 | 79.04125 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000077 | -.000119 | .000208  | -.000483 | .000181  | .0021260 | -.001590 |
| #2 | -.000074 | -.000152 | .001153  | -.000256 | -.000296 | .0006403 | -.007330 |
| #3 | -.000054 | -.000115 | -.006110 | .000259  | -.000088 | -.000056 | -.002663 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000373 | .0292683 | .0002731 | -.000267 | .0824317 | -.002229 | -.001504 |
| Stddev | .000262  | .0065575 | .0001018 | .000113  | .0733205 | .001216  | .003759  |
| %RSD   | 70.19767 | 22.40475 | 37.28673 | 42.22337 | 88.94691 | 54.53483 | 249.8624 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000505 | .0344539 | .0001746 | -.000230 | .0085328 | -.003587 | -.000329 |
| #2 | -.000543 | .0218971 | .0003780 | -.000178 | .1551597 | -.001242 | -.005710 |
| #3 | -.000072 | .0314540 | .0002669 | -.000394 | .0836026 | -.001858 | .001527  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.109908 | -.000559 | .0011991 | .0004328 | .0132711 | -.004235 | .0007679 |
| Stddev | .074169  | .001839  | .0005709 | .0001298 | .0028879 | .000172  | .0004592 |
| %RSD   | 67.48263 | 328.6320 | 47.61445 | 29.97944 | 21.76071 | 4.064125 | 59.79649 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.049916 | .001184  | .0018564 | .0003918 | .0121587 | -.004289 | .0002857 |
| #2 | -.192836 | -.002480 | .0008266 | .0005782 | .0165498 | -.004373 | .0012000 |
| #3 | -.086974 | -.000382 | .0009142 | .0003285 | .0111049 | -.004042 | .0008182 |

Sample Name: CCB030      Acquired: 11/2/2017 19:39:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB030      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000494 | -.003895 | -.000311 |
| Stddev | .000666  | .000258  | .000015  |
| %RSD   | 134.8640 | 6.636090 | 4.760146 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001188 | -.003840 | -.000295 |
| #2 | .000139  | -.003668 | -.000316 |
| #3 | -.000432 | -.004176 | -.000323 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1429.844 | 2457.967 | 34330.15 | 10269.62 | 3525.633 |
| Stddev    | 7.339    | 7.548    | 86.74    | 52.49    | 9.888    |
| %RSD      | .5132923 | .3070862 | .2526554 | .5111066 | .2804706 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1421.975 | 2449.843 | 34233.23 | 10239.50 | 3515.094 |
| #2 | 1431.055 | 2459.297 | 34356.77 | 10239.13 | 3534.708 |
| #3 | 1436.503 | 2464.762 | 34400.47 | 10330.23 | 3527.096 |

Sample Name: I6106-04      Acquired: 11/2/2017 19:43:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0445844 | .0033357 | .1092356 | -.005221 | .0029584 | 59.15283 | .1199749 |
| Stddev | .0038791 | .0020556 | .0009394 | .000673  | .0003313 | .12303   | .0005319 |
| %RSD   | 8.700641 | 61.62434 | .8599829 | 12.89939 | 11.20003 | .2079921 | .4433663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0489269 | .0030425 | .1100556 | -.005129 | .0030502 | 59.28572 | .1193694 |
| #2 | .0414621 | .0055221 | .1094405 | -.004598 | .0032341 | 59.12988 | .1203669 |
| #3 | .0433642 | .0014424 | .1082106 | -.005936 | .0025908 | 59.04288 | .1201884 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026046 | -.001253 | .5643214 | .1326390 | .0069602 | .0533898 | 98.45388 |
| Stddev | .0000746 | .000190  | .0100285 | .0008114 | .0002656 | .0004812 | .60301   |
| %RSD   | 2.863947 | 15.14362 | 1.777097 | .6117149 | 3.815453 | .9012038 | .6124791 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025248 | -.001462 | .5653468 | .1317486 | .0071566 | .0535738 | 98.05250 |
| #2 | .0026727 | -.001206 | .5538195 | .1328318 | .0066580 | .0537518 | 99.14731 |
| #3 | .0026163 | -.001092 | .5737977 | .1333367 | .0070659 | .0528438 | 98.16183 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0935419 | .7949976 | .0381469 | -.013037 | .3172118 | .3233475 | .0246333 |
| Stddev | .0003460 | .0164497 | .0000740 | .000484  | .0827300 | .0039589 | .0034153 |
| %RSD   | .3698788 | 2.069147 | .1939983 | 3.710677 | 26.08037 | 1.224340 | 13.86444 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0931449 | .7857242 | .0380690 | -.013232 | .2947688 | .3275143 | .0219454 |
| #2 | .0937015 | .8139903 | .0382163 | -.013392 | .2480188 | .3228925 | .0234780 |
| #3 | .0937793 | .7852782 | .0381555 | -.012486 | .4088478 | .3196359 | .0284763 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.191107 | .9116297 | -.121441 | .0063650 | 1.161985 | 7.397025 | .0081825 |
| Stddev | .036633  | .0089430 | .000333  | .0003037 | .011560  | .083581  | .0024776 |
| %RSD   | 19.16878 | .9809876 | .2739802 | 4.771020 | .9948463 | 1.129922 | 30.27940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.182320 | .9013038 | -.121475 | .0061251 | 1.152241 | 7.377917 | .0093793 |
| #2 | -.231333 | .9166942 | -.121755 | .0067065 | 1.174758 | 7.488505 | .0098344 |
| #3 | -.159666 | .9168910 | -.121092 | .0062636 | 1.158955 | 7.324653 | .0053337 |

Sample Name: I6106-04      Acquired: 11/2/2017 19:43:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6274241 | .0088585 | .0112348 |
| Stddev | .0008031 | .0007556 | .0000478 |
| %RSD   | .1280074 | 8.529984 | .4252336 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6281521 | .0093897 | .0112221 |
| #2 | .6265626 | .0091924 | .0112877 |
| #3 | .6275576 | .0079935 | .0111947 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1447.508 | 2445.967 | 34389.34 | 10639.60 | 3239.124 |
| Stddev    | 4.301    | 9.043    | 95.00    | 95.36    | 11.599   |
| %RSD      | .2971394 | .3697292 | .2762486 | .8962489 | .3580770 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1444.178 | 2456.369 | 34306.28 | 10611.44 | 3251.792 |
| #2 | 1445.982 | 2441.569 | 34492.92 | 10561.49 | 3236.552 |
| #3 | 1452.364 | 2439.964 | 34368.82 | 10745.86 | 3229.027 |

Sample Name: I6106-05      Acquired: 11/2/2017 19:47:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1135776 | .0032742 | .0851409 | -.001532 | .0044138 | 71.26244 | .1763776 |
| Stddev | .0023775 | .0034206 | .0029308 | .003143  | .0006117 | .19345   | .0002831 |
| %RSD   | 2.093275 | 104.4714 | 3.442264 | 205.2023 | 13.85844 | .2714551 | .1604973 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1147562 | .0052143 | .0821092 | .000920  | .0050998 | 71.46355 | .1766417 |
| #2 | .1108410 | -.000675 | .0879591 | -.005074 | .0039252 | 71.24606 | .1764124 |
| #3 | .1151355 | .005284  | .0853545 | -.000440 | .0042163 | 71.07771 | .1760788 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0029831 | -.001667 | 2.609997 | .1547973 | .0091990 | .0477427 | 111.9699 |
| Stddev | .0000464 | .000074  | .013881  | .0007681 | .0001681 | .0008386 | .2755    |
| %RSD   | 1.554415 | 4.450329 | .5318409 | .4962119 | 1.827580 | 1.756450 | .2460926 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0029729 | -.001716 | 2.621275 | .1547880 | .0092268 | .0486627 | 111.8124 |
| #2 | .0029427 | -.001582 | 2.614220 | .1555700 | .0090187 | .0475440 | 112.2880 |
| #3 | .0030337 | -.001704 | 2.594494 | .1540338 | .0093515 | .0470213 | 111.8092 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1427012 | 2.064072 | .0379776 | -.015136 | .3330308 | .3148283 | .0542496 |
| Stddev | .0006286 | .028625  | .0008762 | .000090  | .0562293 | .0033858 | .0064527 |
| %RSD   | .4404971 | 1.386834 | 2.307082 | .5938634 | 16.88410 | 1.075440 | 11.89441 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1434217 | 2.064503 | .0386818 | -.015055 | .3051556 | .3163773 | .0470361 |
| #2 | .1422648 | 2.092479 | .0369964 | -.015232 | .3977519 | .3171624 | .0562405 |
| #3 | .1424171 | 2.035233 | .0382547 | -.015120 | .2961850 | .3109451 | .0594722 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.187728 | .8743902 | -.140425 | .0070424 | .8546866 | 1.612961 | .0070652 |
| Stddev | .027483  | .0107186 | .000693  | .0002945 | .0060271 | .003519  | .0036606 |
| %RSD   | 14.63964 | 1.225841 | .4934278 | 4.181984 | .7051784 | .2181909 | 51.81131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.156929 | .8621923 | -.140670 | .0067055 | .8548917 | 1.611964 | .0101600 |
| #2 | -.209750 | .8823050 | -.139642 | .0071709 | .8485596 | 1.616871 | .0030245 |
| #3 | -.196505 | .8786734 | -.140961 | .0072508 | .8606085 | 1.610048 | .0080110 |



Sample Name: I6106-05      Acquired: 11/2/2017 19:47:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6046895 | .0187507 | .0383892 |
| Stddev | .0033155 | .0006286 | .0000361 |
| %RSD   | .5482948 | 3.352518 | .0939950 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6024249 | .0193187 | .0383895 |
| #2 | .6084951 | .0188582 | .0384252 |
| #3 | .6031486 | .0180753 | .0383530 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1418.800 | 2442.458 | 33713.72 | 10484.20 | 3245.457 |
| Stddev    | 13.026   | 1.730    | 83.72    | 2.08     | 6.401    |
| %RSD      | .9181166 | .0708312 | .2483189 | .0197918 | .1972185 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1431.218 | 2440.673 | 33810.35 | 10483.09 | 3246.662 |
| #2 | 1419.942 | 2444.127 | 33667.83 | 10482.92 | 3251.168 |
| #3 | 1405.240 | 2442.574 | 33662.99 | 10486.59 | 3238.539 |

Sample Name: I6106-06      Acquired: 11/2/2017 19:51:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0140484 | -.001584 | .1063881 | -.000188 | .0001988 | 13.86260 | .0837715 |
| Stddev | .0018597 | .002464  | .0015890 | .001955  | .0009863 | .03307   | .0005048 |
| %RSD   | 13.23790 | 155.5828 | 1.493626 | 1040.359 | 496.2029 | .2385314 | .6025666 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0144488 | .001103  | .1068939 | .001341  | .0001366 | 13.88907 | .0840531 |
| #2 | .0120211 | -.003737 | .1046077 | -.002391 | -.000755 | 13.87320 | .0831888 |
| #3 | .0156752 | -.002116 | .1076626 | .000487  | .001215  | 13.82554 | .0840727 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007094 | -.000064 | 5.882931 | .0365054 | .0026609 | .0271362 | 26.10989 |
| Stddev | .0000471 | .000076  | .049941  | .0006681 | .0001472 | .0013479 | .10421   |
| %RSD   | 6.645974 | 118.3931 | .8489069 | 1.830086 | 5.530800 | 4.967071 | .3991375 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007395 | -.000063 | 5.845504 | .0358009 | .0025174 | .0286011 | 26.04807 |
| #2 | .0006550 | .000011  | 5.863651 | .0371298 | .0026537 | .0268593 | 26.05139 |
| #3 | .0007335 | -.000141 | 5.939637 | .0365854 | .0028115 | .0259483 | 26.23021 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2175938 | 1.357469 | .0112471 | -.003741 | .1502061 | .0639643 | .1060309 |
| Stddev | .0012931 | .048740  | .0005564 | .000291  | .0116861 | .0032445 | .0039751 |
| %RSD   | .5942816 | 3.590523 | 4.946753 | 7.773061 | 7.780025 | 5.072358 | 3.749042 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2164622 | 1.310986 | .0110297 | -.004059 | .1636960 | .0602409 | .1052705 |
| #2 | .2173160 | 1.353233 | .0118794 | -.003488 | .1437450 | .0654670 | .1103313 |
| #3 | .2190033 | 1.408190 | .0108323 | -.003676 | .1431772 | .0661850 | .1024909 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.20800 | 1.509158 | -.031167 | .0010423 | .6044125 | 2.666495 | .0017193 |
| Stddev | .02530   | .027288  | .000249  | .0002571 | .0088371 | .012863  | .0015896 |
| %RSD   | 2.094388 | 1.808161 | .7974552 | 24.66448 | 1.462091 | .4824090 | 92.45889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.22800 | 1.505750 | -.031432 | .0010626 | .5998648 | 2.671430 | .0017003 |
| #2 | -1.21645 | 1.483733 | -.030939 | .0012887 | .5987754 | 2.651895 | .0033184 |
| #3 | -1.17956 | 1.537989 | -.031129 | .0007757 | .6145972 | 2.676161 | .0001392 |

Sample Name: I6106-06      Acquired: 11/2/2017 19:51:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3275638 | -.002336 | .0253803 |
| Stddev | .0023234 | .000293  | .0000508 |
| %RSD   | .7093092 | 12.52411 | .1999767 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3249740 | -.002475 | .0253221 |
| #2 | .3294653 | -.002534 | .0254153 |
| #3 | .3282521 | -.002000 | .0254036 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1428.093 | 2472.589 | 34640.47 | 10436.14 | 3424.989 |
| Stddev    | 4.069    | 3.005    | 140.16   | 17.36    | 6.071    |
| %RSD      | .2849250 | .1215359 | .4046107 | .1663381 | .1772584 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1423.893 | 2469.399 | 34495.77 | 10447.87 | 3419.650 |
| #2 | 1432.017 | 2475.366 | 34650.04 | 10444.36 | 3431.593 |
| #3 | 1428.368 | 2473.004 | 34775.59 | 10416.20 | 3423.725 |

Sample Name: I6106-07      Acquired: 11/2/2017 19:55:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E88      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085080 | -.000449 | .0612130 | -.000323 | .0010684 | 11.79934 | .0504433 |
| Stddev | .0030790 | .002718  | .0016085 | .001001  | .0012252 | .02562   | .0004202 |
| %RSD   | 36.18927 | 606.0133 | 2.627626 | 310.0684 | 114.6792 | .2170898 | .8329435 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051896 | .000546  | .0611838 | .000266  | -.000162 | 11.81839 | .0499604 |
| #2 | .0112723 | .001632  | .0628359 | -.001478 | .001080  | 11.77022 | .0507255 |
| #3 | .0090620 | -.003524 | .0596194 | .000244  | .002288  | 11.80941 | .0506439 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004847 | -.000201 | 3.561622 | .0298527 | .0020956 | .0212948 | 20.59828 |
| Stddev | .0000328 | .000039  | .014071  | .0006358 | .0001969 | .0014770 | .03844   |
| %RSD   | 6.759448 | 19.39190 | .3950855 | 2.129645 | 9.395153 | 6.936022 | .1866393 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004805 | -.000179 | 3.545551 | .0297267 | .0022677 | .0199006 | 20.55782 |
| #2 | .0004543 | -.000178 | 3.571733 | .0305420 | .0021382 | .0228426 | 20.63433 |
| #3 | .0005194 | -.000246 | 3.567582 | .0292894 | .0018809 | .0211411 | 20.60268 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1696969 | 1.272918 | .0092811 | -.002970 | .0132418 | .0484793 | .0594741 |
| Stddev | .0004777 | .008526  | .0005023 | .000121  | .0867323 | .0024376 | .0010736 |
| %RSD   | .2815084 | .6698215 | 5.411962 | 4.072587 | 654.9869 | 5.028121 | 1.805209 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1695604 | 1.263315 | .0089446 | -.002888 | -.082290 | .0457645 | .0583449 |
| #2 | .1693022 | 1.279598 | .0098584 | -.003109 | .034973  | .0504804 | .0595955 |
| #3 | .1702279 | 1.275841 | .0090401 | -.002914 | .087042  | .0491929 | .0604819 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.44336 | .8608053 | -.026298 | .0013399 | .3067258 | 2.165272 | -.001258 |
| Stddev | .02689   | .0124266 | .000347  | .0000437 | .0045144 | .003715  | .001563  |
| %RSD   | 1.862957 | 1.443606 | 1.320984 | 3.260801 | 1.471811 | .1715543 | 124.2455 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.47375 | .8465422 | -.026682 | .0013624 | .3019572 | 2.160984 | .000151  |
| #2 | -1.42267 | .8692953 | -.026004 | .0013678 | .3072865 | 2.167303 | -.000985 |
| #3 | -1.43365 | .8665783 | -.026209 | .0012895 | .3109337 | 2.167527 | -.002940 |

Sample Name: I6106-07      Acquired: 11/2/2017 19:55:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0E88      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2881968 | -.003137 | .0142297 |
| Stddev | .0023072 | .000189  | .0000722 |
| %RSD   | .8005744 | 6.039562 | .5070946 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2908527 | -.003219 | .0142257 |
| #2 | .2870501 | -.002921 | .0141596 |
| #3 | .2866875 | -.003272 | .0143037 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1409.770 | 2432.079 | 34521.67 | 10349.97 | 3410.105 |
| Stddev    | 9.178    | 7.195    | 73.18    | 8.11     | 12.731   |
| %RSD      | .6510405 | .2958278 | .2119710 | .0783699 | .3733298 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1403.890 | 2440.329 | 34451.56 | 10351.10 | 3420.388 |
| #2 | 1420.346 | 2428.798 | 34597.57 | 10357.46 | 3414.061 |
| #3 | 1405.073 | 2427.110 | 34515.89 | 10341.35 | 3395.865 |

Sample Name: I6106-08      Acquired: 11/2/2017 19:59:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3161348 | -.000018 | 2.690211 | -.001943 | .0035190 | 34.17886 | .6698282 |
| Stddev | .0043054 | .002488  | .012522  | .004440  | .0008808 | .06899   | .0034347 |
| %RSD   | 1.361902 | 14174.96 | .4654599 | 228.4954 | 25.02950 | .2018384 | .5127814 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3127074 | .002811  | 2.683508 | -.007066 | .0042528 | 34.22448 | .6659221 |
| #2 | .3209672 | -.001871 | 2.682467 | .000818  | .0037619 | 34.09950 | .6711858 |
| #3 | .3147297 | -.000992 | 2.704657 | .000417  | .0025422 | 34.21261 | .6723766 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025399 | .0085661 | 49.31406 | .0945436 | .0117121 | .2830650 | 62.67997 |
| Stddev | .0001123 | .0001625 | .13064   | .0003517 | .0003672 | .0009820 | .03681   |
| %RSD   | 4.422222 | 1.896702 | .2649168 | .3719611 | 3.135586 | .3469285 | .0587305 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025620 | .0085196 | 49.28627 | .0949355 | .0119719 | .2819315 | 62.70925 |
| #2 | .0026395 | .0084319 | 49.45636 | .0942555 | .0118726 | .2836592 | 62.69202 |
| #3 | .0024181 | .0087467 | 49.19955 | .0944398 | .0112920 | .2836043 | 62.63865 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9013236 | 6.991145 | .0653838 | -.008219 | .4654319 | .1444897 | 1.798714 |
| Stddev | .0026509 | .052629  | .0009565 | .000363  | .0205108 | .0039806 | .005682  |
| %RSD   | .2941162 | .7527980 | 1.462895 | 4.416792 | 4.406832 | 2.754970 | .3159052 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9043006 | 6.930739 | .0652167 | -.008451 | .4832211 | .1484293 | 1.793211 |
| #2 | .9004520 | 7.015596 | .0645219 | -.007801 | .4429966 | .1404692 | 1.804560 |
| #3 | .8992183 | 7.027102 | .0664129 | -.008406 | .4700781 | .1445705 | 1.798373 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.137229 | 3.245975 | -.069040 | .0030516 | 1.684665 | 3.670252 | .0537093 |
| Stddev | .013006  | .015442  | .000665  | .0001861 | .014190  | .016864  | .0037212 |
| %RSD   | 9.477556 | .4757123 | .9632316 | 6.097705 | .8423068 | .4594791 | 6.928399 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.148194 | 3.241950 | -.068421 | .0032623 | 1.673080 | 3.688688 | .0497533 |
| #2 | -.140633 | 3.232945 | -.069743 | .0029828 | 1.680423 | 3.666461 | .0571399 |
| #3 | -.122860 | 3.263030 | -.068956 | .0029098 | 1.700493 | 3.655605 | .0542346 |

Sample Name: I6106-08      Acquired: 11/2/2017 19:59:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6052793 | .0215877 | .3851244 |
| Stddev | .0008401 | .0004737 | .0008761 |
| %RSD   | .1387930 | 2.194204 | .2274914 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6050165 | .0210680 | .3852164 |
| #2 | .6046020 | .0219953 | .3842059 |
| #3 | .6062194 | .0216997 | .3859509 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1385.870 | 2359.756 | 33624.38 | 10581.48 | 3149.904 |
| Stddev    | 7.151    | 4.364    | 118.31   | 77.59    | 8.844    |
| %RSD      | .5159989 | .1849534 | .3518626 | .7332205 | .2807742 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1388.322 | 2362.324 | 33533.71 | 10499.08 | 3154.888 |
| #2 | 1377.815 | 2362.228 | 33581.22 | 10592.24 | 3155.132 |
| #3 | 1391.472 | 2354.717 | 33758.21 | 10653.13 | 3139.693 |

Sample Name: I6106-09      Acquired: 11/2/2017 20:03:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E90      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0413008 | .0002667 | .1128520 | -.002406 | .0027281 | 52.92317 | .3077081 |
| Stddev | .0011523 | .0029565 | .0023321 | .002629  | .0007336 | .01491   | .0015275 |
| %RSD   | 2.789991 | 1108.541 | 2.066466 | 109.2747 | 26.89192 | .0281805 | .4964232 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0399703 | .0036705 | .1109261 | -.005036 | .0024106 | 52.93630 | .3091233 |
| #2 | .0419648 | -.001208 | .1154449 | .000222  | .0035671 | 52.90695 | .3079122 |
| #3 | .0419674 | -.001663 | .1121852 | -.002404 | .0022067 | 52.92627 | .3060887 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025035 | -.000715 | 7.243211 | .0829952 | .0096709 | .0301990 | 64.83433 |
| Stddev | .0000259 | .000059  | .049941  | .0002147 | .0002508 | .0004666 | .28699   |
| %RSD   | 1.035480 | 8.315748 | .6894885 | .2586243 | 2.593119 | 1.545185 | .4426570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025305 | -.000717 | 7.269374 | .0832095 | .0099587 | .0296977 | 65.01806 |
| #2 | .0024788 | -.000654 | 7.274636 | .0829958 | .0095549 | .0306209 | 64.98132 |
| #3 | .0025012 | -.000773 | 7.185624 | .0827802 | .0094991 | .0302783 | 64.50362 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2683240 | 2.808532 | .0334133 | -.009205 | .2768305 | .1630721 | .2166395 |
| Stddev | .0010405 | .035358  | .0001388 | .000312  | .0335109 | .0024736 | .0044964 |
| %RSD   | .3877865 | 1.258961 | .4152963 | 3.393798 | 12.10519 | 1.516883 | 2.075519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2677780 | 2.838030 | .0332553 | -.009169 | .3022830 | .1654710 | .2216475 |
| #2 | .2695239 | 2.818229 | .0335150 | -.008912 | .2893452 | .1632153 | .2129492 |
| #3 | .2676701 | 2.769336 | .0334697 | -.009533 | .2388633 | .1605300 | .2153218 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.377416 | 1.146049 | -.077758 | .0036728 | .5248504 | 6.302734 | .0064776 |
| Stddev | .012806  | .008782  | .002154  | .0001403 | .0036197 | .043853  | .0031657 |
| %RSD   | 3.393108 | .7662816 | 2.770028 | 3.819554 | .6896574 | .6957749 | 48.87153 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.370102 | 1.152014 | -.080205 | .0038121 | .5207056 | 6.326316 | .0028459 |
| #2 | -.369943 | 1.135965 | -.076915 | .0036749 | .5264570 | 6.329750 | .0086540 |
| #3 | -.392203 | 1.150169 | -.076153 | .0035315 | .5273887 | 6.252136 | .0079327 |



Sample Name: I6106-09      Acquired: 11/2/2017 20:03:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E90      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5364531 | .0222978 | .0796434 |
| Stddev | .0008701 | .0006080 | .0001453 |
| %RSD   | .1622028 | 2.726688 | .1824727 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5356519 | .0224190 | .0795968 |
| #2 | .5363286 | .0228361 | .0795270 |
| #3 | .5373787 | .0216384 | .0798063 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1422.370 | 2416.402 | 34185.77 | 10586.06 | 3260.941 |
| Stddev    | 3.419    | 1.240    | 37.11    | 53.46    | 7.578    |
| %RSD      | .2403880 | .0513003 | .1085680 | .5049729 | .2323994 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.883 | 2414.979 | 34142.98 | 10567.81 | 3263.600 |
| #2 | 1418.724 | 2417.248 | 34205.12 | 10544.12 | 3266.831 |
| #3 | 1425.504 | 2416.979 | 34209.22 | 10646.25 | 3252.391 |

Sample Name: I6106-10      Acquired: 11/2/2017 20:08:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E91      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0229722 | .0015228 | .0543121 | -.004618 | .0027062 | 51.57249 | .1901191 |
| Stddev | .0011240 | .0028059 | .0006597 | .003107  | .0014108 | .05973   | .0008879 |
| %RSD   | 4.892981 | 184.2629 | 1.214713 | 67.27803 | 52.13359 | .1158231 | .4670514 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0241473 | -.001708 | .0548577 | -.005168 | .0023641 | 51.56426 | .1910168 |
| #2 | .0228621 | .002932  | .0535789 | -.001273 | .0042566 | 51.63591 | .1900992 |
| #3 | .0219073 | .003345  | .0544996 | -.007414 | .0014978 | 51.51729 | .1892412 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025434 | -.001239 | 2.097991 | .1191989 | .0080697 | .0301693 | 86.23497 |
| Stddev | .0000645 | .000127  | .023190  | .0005888 | .0002160 | .0015876 | .11580   |
| %RSD   | 2.534436 | 10.24384 | 1.105324 | .4939340 | 2.676921 | 5.262485 | .1342808 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024812 | -.001319 | 2.077888 | .1189877 | .0078401 | .0289773 | 86.25972 |
| #2 | .0026099 | -.001306 | 2.123361 | .1187449 | .0081001 | .0319715 | 86.10879 |
| #3 | .0025392 | -.001093 | 2.092723 | .1198641 | .0082689 | .0295590 | 86.33638 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1207081 | 1.439994 | .0276944 | -.011809 | .2978918 | .2401021 | .0098253 |
| Stddev | .0003179 | .011953  | .0000744 | .000402  | .0135286 | .0023356 | .0025681 |
| %RSD   | .2633751 | .8300831 | .2685566 | 3.405316 | 4.541450 | .9727428 | 26.13811 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1204029 | 1.452727 | .0276979 | -.011486 | .2828519 | .2376346 | .0080309 |
| #2 | .1210374 | 1.429014 | .0276183 | -.012259 | .3090688 | .2403934 | .0086778 |
| #3 | .1206839 | 1.438241 | .0277669 | -.011680 | .3017547 | .2422784 | .0127671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.800416 | .6658166 | -.109320 | .0045091 | .6873445 | 1.565640 | .0028800 |
| Stddev | .029331  | .0027895 | .000321  | .0003148 | .0019520 | .001477  | .0018665 |
| %RSD   | 3.664421 | .4189513 | .2937766 | 6.980511 | .2839862 | .0943198 | 64.80889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.834243 | .6627965 | -.109668 | .0046319 | .6856355 | 1.565303 | .0015058 |
| #2 | -.784956 | .6663569 | -.109255 | .0041515 | .6894716 | 1.564361 | .0021293 |
| #3 | -.782049 | .6682963 | -.109035 | .0047440 | .6869264 | 1.567256 | .0050050 |

Sample Name: I6106-10      Acquired: 11/2/2017 20:08:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E91      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5429166 | .0113048 | .0314899 |
| Stddev | .0006784 | .0005954 | .0000577 |
| %RSD   | .1249489 | 5.267070 | .1833273 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5431185 | .0118970 | .0315279 |
| #2 | .5434710 | .0107062 | .0315183 |
| #3 | .5421601 | .0113110 | .0314235 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1442.989 | 2469.565 | 34748.72 | 10745.45 | 3258.244 |
| Stddev    | 5.290    | 4.244    | 132.06   | 22.66    | 4.031    |
| %RSD      | .3665874 | .1718386 | .3800332 | .2108916 | .1237262 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1437.214 | 2473.109 | 34722.00 | 10719.53 | 3261.949 |
| #2 | 1444.156 | 2470.723 | 34892.09 | 10761.50 | 3258.832 |
| #3 | 1447.598 | 2464.862 | 34632.06 | 10755.34 | 3253.951 |

Sample Name: I6106-11      Acquired: 11/2/2017 20:12:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E92      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047744 | .0004979 | .0781255 | -.000078 | .0016758 | 27.39991 | .1025055 |
| Stddev | .0013058 | .0020341 | .0015722 | .001295  | .0008680 | .06956   | .0003112 |
| %RSD   | 27.34984 | 408.5512 | 2.012346 | 1670.453 | 51.79447 | .2538642 | .3036265 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062723 | .0024561 | .0779857 | .000474  | .0026306 | 27.44923 | .1021586 |
| #2 | .0041748 | .0006419 | .0766279 | .000850  | .0014624 | 27.43015 | .1025977 |
| #3 | .0038760 | -.001604 | .0797629 | -.001557 | .0009345 | 27.32035 | .1027602 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014411 | -.000809 | .2858529 | .0811885 | .0049959 | .0300672 | 62.31978 |
| Stddev | .0000638 | .000020  | .0126989 | .0007298 | .0001463 | .0006190 | .10965   |
| %RSD   | 4.428947 | 2.500246 | 4.442472 | .8989291 | 2.927446 | 2.058827 | .1759405 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015148 | -.000803 | .2804565 | .0814837 | .0050788 | .0307704 | 62.44580 |
| #2 | .0014022 | -.000832 | .3003588 | .0817245 | .0048271 | .0298263 | 62.26724 |
| #3 | .0014064 | -.000793 | .2767434 | .0803573 | .0050820 | .0296048 | 62.24628 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0872708 | .4908095 | .0152684 | -.008321 | .2227911 | .1966353 | .0140717 |
| Stddev | .0013523 | .0212778 | .0001946 | .000493  | .0785284 | .0010775 | .0011605 |
| %RSD   | 1.549581 | 4.335248 | 1.274452 | 5.921804 | 35.24756 | .5479741 | 8.247089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0863744 | .5144878 | .0152443 | -.008669 | .1325675 | .1959948 | .0129724 |
| #2 | .0866117 | .4732916 | .0154738 | -.007757 | .2757444 | .1960317 | .0152850 |
| #3 | .0888263 | .4846492 | .0150869 | -.008536 | .2600614 | .1978793 | .0139578 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.08360 | .4950617 | -.081745 | .0032696 | .5521080 | 4.767906 | .0046364 |
| Stddev | .00922   | .0078522 | .000632  | .0002010 | .0056835 | .042140  | .0014064 |
| %RSD   | .8512029 | 1.586099 | .7732458 | 6.146642 | 1.029426 | .8838366 | 30.33409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.07848 | .4960461 | -.081593 | .0031885 | .5579166 | 4.813174 | .0036382 |
| #2 | -1.07807 | .4867637 | -.082439 | .0031217 | .5518492 | 4.760727 | .0040262 |
| #3 | -1.09425 | .5023752 | -.081203 | .0034984 | .5465583 | 4.729816 | .0062449 |

Sample Name: I6106-11      Acquired: 11/2/2017 20:12:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E92      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6027703 | .0033461 | .0090552 |
| Stddev | .0025264 | .0007035 | .0000420 |
| %RSD   | .4191369 | 21.02309 | .4632841 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6047137 | .0037169 | .0090938 |
| #2 | .6036829 | .0037866 | .0090611 |
| #3 | .5999144 | .0025349 | .0090106 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1445.335 | 2470.572 | 34809.89 | 10601.63 | 3344.191 |
| Stddev    | 5.374    | 14.339   | 44.94    | 46.82    | 14.007   |
| %RSD      | .3718308 | .5804087 | .1291108 | .4416367 | .4188512 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1440.617 | 2465.909 | 34776.44 | 10547.56 | 3343.838 |
| #2 | 1451.186 | 2486.663 | 34792.24 | 10628.52 | 3358.371 |
| #3 | 1444.203 | 2459.145 | 34860.97 | 10628.80 | 3330.364 |

Sample Name: I6106-15      Acquired: 11/2/2017 20:16:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E94      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042577 | -.002578 | .0807397 | .0001786 | .0005927 | 13.49312 | .0692307 |
| Stddev | .0012505 | .002797  | .0005833 | .0028217 | .0003368 | .01469   | .0000912 |
| %RSD   | 29.37019 | 108.5049 | .7224770 | 1579.918 | 56.82421 | .1088374 | .1317977 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0039430 | -.003363 | .0800781 | -.000586 | .0007413 | 13.47884 | .0691939 |
| #2 | .0056354 | .000528  | .0811799 | -.002182 | .0008297 | 13.50818 | .0693346 |
| #3 | .0031946 | -.004897 | .0809611 | .003304  | .0002072 | 13.49234 | .0691635 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006497 | -.000036 | 2.596036 | .0354901 | .0032195 | .0223190 | 23.73080 |
| Stddev | .0000328 | .000030  | .011188  | .0003959 | .0000853 | .0004724 | .04168   |
| %RSD   | 5.040761 | 84.97161 | .4309497 | 1.115485 | 2.648174 | 2.116512 | .1756450 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006683 | -.000002 | 2.588881 | .0359452 | .0031522 | .0218041 | 23.72786 |
| #2 | .0006689 | -.000061 | 2.590297 | .0352252 | .0031910 | .0227322 | 23.69067 |
| #3 | .0006119 | -.000043 | 2.608928 | .0353000 | .0033154 | .0224208 | 23.77388 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1806232 | 1.199210 | .0111479 | -.003567 | .1214579 | .0536545 | .0854848 |
| Stddev | .0009465 | .017879  | .0002734 | .000831  | .0528830 | .0014155 | .0011147 |
| %RSD   | .5239983 | 1.490904 | 2.452810 | 23.28137 | 43.54021 | 2.638078 | 1.303988 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1805469 | 1.219581 | .0110685 | -.003683 | .1327652 | .0552655 | .0846164 |
| #2 | .1816055 | 1.191930 | .0109230 | -.004334 | .1677727 | .0530879 | .0850961 |
| #3 | .1797172 | 1.186120 | .0114523 | -.002685 | .0638358 | .0526101 | .0867418 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.23339 | 1.283954 | -.031751 | .0009815 | .3210750 | 1.382694 | -.000163 |
| Stddev | .01651   | .021351  | .000597  | .0004430 | .0025015 | .008208  | .004157  |
| %RSD   | 1.338275 | 1.662883 | 1.880964 | 45.13240 | .7791108 | .5936231 | 2551.621 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.25160 | 1.259560 | -.032214 | .0013505 | .3181890 | 1.379467 | .000852  |
| #2 | -1.21942 | 1.299239 | -.031077 | .0011038 | .3226242 | 1.376590 | -.004734 |
| #3 | -1.22916 | 1.293063 | -.031961 | .0004902 | .3224116 | 1.392025 | .003393  |

Sample Name: I6106-15      Acquired: 11/2/2017 20:16:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E94      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3761911 | -.001814 | .0140933 |
| Stddev | .0014033 | .000337  | .0000108 |
| %RSD   | .3730386 | 18.59148 | .0764905 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3770084 | -.001964 | .0140942 |
| #2 | .3769942 | -.002049 | .0141037 |
| #3 | .3745707 | -.001428 | .0140822 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1421.193 | 2424.741 | 34271.95 | 10350.75 | 3392.515 |
| Stddev    | 7.043    | 6.387    | 54.08    | 48.82    | 8.814    |
| %RSD      | .4955518 | .2634064 | .1578066 | .4716585 | .2598001 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1414.365 | 2423.565 | 34280.44 | 10321.26 | 3400.725 |
| #2 | 1420.782 | 2431.634 | 34214.13 | 10407.10 | 3393.620 |
| #3 | 1428.432 | 2419.024 | 34321.29 | 10323.89 | 3383.201 |

Sample Name: I6106-16      Acquired: 11/2/2017 20:20:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2186258 | -.004410 | .9856088 | -.003284 | .0046076 | 24.24719 | .4287436 |
| Stddev | .0030767 | .000690  | .0020152 | .000398  | .0014175 | .02176   | .0003862 |
| %RSD   | 1.407288 | 15.65263 | .2044624 | 12.12006 | 30.76368 | .0897265 | .0900777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2217002 | -.003637 | .9850271 | -.003156 | .0047500 | 24.27020 | .4291846 |
| #2 | .2186304 | -.004626 | .9878509 | -.003731 | .0031243 | 24.22695 | .4285809 |
| #3 | .2155468 | -.004966 | .9839485 | -.002966 | .0059486 | 24.24443 | .4284654 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026022 | .0086763 | 20.36688 | .0659073 | .0123841 | .1152065 | 108.4155 |
| Stddev | .0001075 | .0001190 | .08782   | .0003299 | .0001405 | .0020692 | .2213    |
| %RSD   | 4.129844 | 1.371595 | .4311841 | .5005871 | 1.134476 | 1.796033 | .2041009 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024786 | .0085395 | 20.30873 | .0657617 | .0125461 | .1129179 | 108.3562 |
| #2 | .0026546 | .0087564 | 20.32402 | .0662849 | .0123103 | .1157566 | 108.2299 |
| #3 | .0026734 | .0087329 | 20.46790 | .0656752 | .0122959 | .1169450 | 108.6604 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.092309 | 4.659918 | .0520230 | -.014328 | .4302484 | .0958480 | 2.420961 |
| Stddev | .004348  | .048453  | .0000921 | .000360  | .0802245 | .0015284 | .006904  |
| %RSD   | .3980646 | 1.039777 | .1770211 | 2.514863 | 18.64610 | 1.594607 | .2851942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.092379 | 4.624911 | .0519585 | -.014177 | .4121980 | .0966381 | 2.428623 |
| #2 | 1.087927 | 4.639625 | .0519820 | -.014740 | .3605868 | .0940862 | 2.419037 |
| #3 | 1.096622 | 4.715217 | .0521285 | -.014068 | .5179605 | .0968196 | 2.415222 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.892407 | 1.770605 | -.128794 | .0072873 | 1.061976 | 3.160649 | .0272221 |
| Stddev | .027737  | .006751  | .001475  | .0002779 | .003382  | .014942  | .0016891 |
| %RSD   | 3.108060 | .3812992 | 1.145436 | 3.813777 | .3184706 | .4727353 | 6.204995 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.922287 | 1.769323 | -.128881 | .0074529 | 1.058117 | 3.151618 | .0278579 |
| #2 | -.867481 | 1.777905 | -.127277 | .0069664 | 1.064424 | 3.152434 | .0253073 |
| #3 | -.887455 | 1.764586 | -.130223 | .0074426 | 1.063388 | 3.177895 | .0285010 |



Sample Name: I6106-16      Acquired: 11/2/2017 20:20:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4123711 | .0088234 | .1317671 |
| Stddev | .0016317 | .0001351 | .0003042 |
| %RSD   | .3956870 | 1.530713 | .2308572 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4131275 | .0087694 | .1319676 |
| #2 | .4104984 | .0089771 | .1314171 |
| #3 | .4134873 | .0087237 | .1319165 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1379.875 | 2379.619 | 33634.38 | 10430.49 | 3209.661 |
| Stddev    | 11.367   | 4.640    | 205.03   | 17.85    | 12.363   |
| %RSD      | .8237619 | .1949788 | .6095937 | .1711360 | .3851674 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1371.109 | 2380.777 | 33426.99 | 10410.73 | 3213.358 |
| #2 | 1375.798 | 2383.570 | 33639.17 | 10445.44 | 3219.754 |
| #3 | 1392.718 | 2374.510 | 33836.97 | 10435.31 | 3195.872 |

Sample Name: I6106-17      Acquired: 11/2/2017 20:24:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0411905 | -.001298 | .2550170 | .0010360 | .0009826 | 40.08489 | .3053670 |
| Stddev | .0025407 | .002216  | .0013716 | .0007902 | .0009321 | .06729   | .0006194 |
| %RSD   | 6.168121 | 170.6964 | .5378442 | 76.27416 | 94.85739 | .1678664 | .2028303 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0427940 | -.003100 | .2543098 | .0018243 | .0014214 | 40.05189 | .3049546 |
| #2 | .0382611 | .001176  | .2541433 | .0010397 | -.000088 | 40.16231 | .3060792 |
| #3 | .0425163 | -.001970 | .2565978 | .0002440 | .001614  | 40.04046 | .3050670 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021515 | .0034668 | 8.308162 | .0636285 | .0082516 | .0660356 | 48.36231 |
| Stddev | .0000380 | .0000726 | .038405  | .0002934 | .0001933 | .0015041 | .24309   |
| %RSD   | 1.767760 | 2.093985 | .4622516 | .4610291 | 2.342081 | 2.277749 | .5026362 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021950 | .0035327 | 8.280805 | .0637159 | .0084606 | .0655012 | 48.32278 |
| #2 | .0021345 | .0034787 | 8.352067 | .0638681 | .0082147 | .0677339 | 48.62273 |
| #3 | .0021249 | .0033889 | 8.291614 | .0633013 | .0080794 | .0648716 | 48.14140 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3719449 | 3.623272 | .0284722 | -.006530 | .2837534 | .1150662 | .3979679 |
| Stddev | .0013305 | .023157  | .0005478 | .000315  | .1135432 | .0016726 | .0030963 |
| %RSD   | .3577244 | .6391224 | 1.924091 | 4.818848 | 40.01475 | 1.453596 | .7780292 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3718165 | 3.596815 | .0278500 | -.006169 | .2723486 | .1160714 | .3945259 |
| #2 | .3733350 | 3.633140 | .0288823 | -.006676 | .1763430 | .1159918 | .4005266 |
| #3 | .3706832 | 3.639861 | .0286841 | -.006745 | .4025686 | .1131354 | .3988512 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.587280 | 1.035478 | -.058214 | .0025106 | .5461691 | 6.021410 | .0052264 |
| Stddev | .009700  | .020446  | .000774  | .0002062 | .0098520 | .045878  | .0012434 |
| %RSD   | 1.651719 | 1.974501 | 1.329097 | 8.211880 | 1.803831 | .7619150 | 23.79144 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.588014 | 1.050721 | -.059043 | .0027479 | .5530443 | 5.993327 | .0050367 |
| #2 | -.577234 | 1.012244 | -.058090 | .0023756 | .5348823 | 6.074353 | .0040887 |
| #3 | -.596593 | 1.043470 | -.057510 | .0024084 | .5505807 | 5.996550 | .0065538 |

Sample Name: I6106-17      Acquired: 11/2/2017 20:24:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4865749 | .0161915 | .0617539 |
| Stddev | .0019984 | .0004359 | .0001924 |
| %RSD   | .4107146 | 2.691892 | .3114863 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4842906 | .0157844 | .0616792 |
| #2 | .4874338 | .0161389 | .0619724 |
| #3 | .4880003 | .0166513 | .0616101 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1402.297 | 2405.326 | 33861.98 | 10549.74 | 3256.351 |
| Stddev    | 6.540    | 11.834   | 51.32    | 79.18    | 13.626   |
| %RSD      | .4663862 | .4919830 | .1515648 | .7504981 | .4184429 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1396.545 | 2417.084 | 33808.25 | 10557.33 | 3265.565 |
| #2 | 1409.411 | 2405.475 | 33867.19 | 10467.05 | 3262.791 |
| #3 | 1400.934 | 2393.418 | 33910.50 | 10624.85 | 3240.699 |

Sample Name: I6106-18      Acquired: 11/2/2017 20:28:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E97      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0197190 | .0000426 | .0550954 | -.002078 | .0037113 | 52.17498 | .2689767 |
| Stddev | .0004343 | .0023431 | .0018228 | .001475  | .0003906 | .14223   | .0011224 |
| %RSD   | 2.202404 | 5502.132 | 3.308484 | 70.95675 | 10.52588 | .2726007 | .4172954 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0193948 | -.002202 | .0571403 | -.001549 | .0040400 | 52.33872 | .2701836 |
| #2 | .0195497 | .002473  | .0545047 | -.003744 | .0038144 | 52.10417 | .2687822 |
| #3 | .0202124 | -.000143 | .0536412 | -.000941 | .0032794 | 52.08206 | .2679642 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025377 | -.000733 | 3.593066 | .0889495 | .0114768 | .0284117 | 63.78809 |
| Stddev | .0000633 | .000132  | .011326  | .0010638 | .0001855 | .0012397 | .14471   |
| %RSD   | 2.492593 | 18.01842 | .3152267 | 1.195913 | 1.616428 | 4.363292 | .2268667 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025400 | -.000837 | 3.586095 | .0887787 | .0116262 | .0279819 | 63.66892 |
| #2 | .0024733 | -.000776 | 3.586969 | .0900884 | .0112691 | .0298091 | 63.94912 |
| #3 | .0025997 | -.000584 | 3.606135 | .0879815 | .0115350 | .0274442 | 63.74622 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2162208 | 4.030977 | .0324896 | -.008550 | .3232184 | .1589104 | .0930638 |
| Stddev | .0015641 | .014722  | .0005180 | .000172  | .0463892 | .0017710 | .0045405 |
| %RSD   | .7233558 | .3652109 | 1.594292 | 2.007534 | 14.35229 | 1.114495 | 4.878877 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2158758 | 4.044185 | .0327877 | -.008372 | .3109432 | .1603229 | .0957225 |
| #2 | .2179286 | 4.015105 | .0318915 | -.008714 | .2842014 | .1594849 | .0956479 |
| #3 | .2148581 | 4.033641 | .0327897 | -.008565 | .3745108 | .1569234 | .0878211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.060095 | .7021147 | -.079103 | .0033577 | .2074806 | 4.203569 | .0029455 |
| Stddev | .026116  | .0121308 | .001421  | .0001923 | .0044450 | .005812  | .0011561 |
| %RSD   | 43.45725 | 1.727756 | 1.796303 | 5.725480 | 2.142363 | .1382722 | 39.24993 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.067913 | .7109250 | -.080451 | .0035600 | .2125398 | 4.196908 | .0030078 |
| #2 | -.030963 | .7071404 | -.079240 | .0031774 | .2042014 | 4.207611 | .0017595 |
| #3 | -.081409 | .6882787 | -.077619 | .0033358 | .2057008 | 4.206188 | .0040692 |

Sample Name: I6106-18      Acquired: 11/2/2017 20:28:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E97      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6991117 | .0248391 | .0497804 |
| Stddev | .0034638 | .0009327 | .0000907 |
| %RSD   | .4954568 | 3.755096 | .1821263 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7028208 | .0254013 | .0498766 |
| #2 | .6959610 | .0253535 | .0497680 |
| #3 | .6985534 | .0237624 | .0496966 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1425.878 | 2443.344 | 34128.45 | 10621.30 | 3250.115 |
| Stddev    | 3.628    | 10.947   | 43.91    | 9.28     | 7.746    |
| %RSD      | .2544249 | .4480346 | .1286706 | .0874093 | .2383302 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1424.955 | 2437.020 | 34152.78 | 10628.02 | 3244.137 |
| #2 | 1422.801 | 2455.985 | 34077.76 | 10610.70 | 3258.865 |
| #3 | 1429.878 | 2437.027 | 34154.82 | 10625.18 | 3247.341 |

Sample Name: I6106-19      Acquired: 11/2/2017 20:32:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051291 | .0010882 | .0592232 | -.005379 | .0024224 | 58.75766 | .1884230 |
| Stddev | .0022478 | .0001329 | .0008930 | .001409  | .0007625 | .02409   | .0006012 |
| %RSD   | 43.82424 | 12.21664 | 1.507834 | 26.19676 | 31.47536 | .0410014 | .3190709 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0060218 | .0012119 | .0583530 | -.007004 | .0021618 | 58.78389 | .1887122 |
| #2 | .0025721 | .0009476 | .0601373 | -.004639 | .0032811 | 58.75255 | .1888250 |
| #3 | .0067935 | .0011050 | .0591793 | -.004494 | .0018245 | 58.73653 | .1877318 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0027439 | -.000869 | 2.535216 | .1194977 | .0066428 | .0324898 | 93.83954 |
| Stddev | .0000419 | .000154  | .013831  | .0002023 | .0004041 | .0005566 | .21567   |
| %RSD   | 1.528422 | 17.75352 | .5455474 | .1692885 | 6.083017 | 1.713218 | .2298246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027899 | -.001023 | 2.550881 | .1192657 | .0066563 | .0328500 | 94.08854 |
| #2 | .0027078 | -.000715 | 2.530072 | .1195898 | .0062321 | .0318487 | 93.71162 |
| #3 | .0027339 | -.000870 | 2.524693 | .1196374 | .0070400 | .0327707 | 93.71846 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0909389 | 1.381543 | .0250112 | -.013048 | .3634769 | .2555818 | .1559800 |
| Stddev | .0007195 | .012852  | .0002269 | .000317  | .0552372 | .0049651 | .0046427 |
| %RSD   | .7911461 | .9302400 | .9072269 | 2.428787 | 15.19689 | 1.942687 | 2.976474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0917690 | 1.381143 | .0249066 | -.013354 | .3923138 | .2585764 | .1509462 |
| #2 | .0904954 | 1.368895 | .0248555 | -.012721 | .2997891 | .2583186 | .1600939 |
| #3 | .0905523 | 1.394589 | .0252716 | -.013068 | .3983278 | .2498505 | .1568999 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.666903 | .6942360 | -.118074 | .0039470 | .1988770 | 8.066895 | .0041814 |
| Stddev | .053506  | .0020865 | .001253  | .0001027 | .0083258 | .029549  | .0020626 |
| %RSD   | 8.023024 | .3005454 | 1.061103 | 2.602510 | 4.186400 | .3663036 | 49.32875 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.668935 | .6927352 | -.118617 | .0039566 | .1940972 | 8.080892 | .0048042 |
| #2 | -.719364 | .6933542 | -.116641 | .0040445 | .1940431 | 8.032947 | .0058609 |
| #3 | -.612410 | .6966187 | -.118963 | .0038398 | .2084908 | 8.086844 | .0018791 |

Sample Name: I6106-19      Acquired: 11/2/2017 20:32:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6636671 | .0118204 | .0303546 |
| Stddev | .0012620 | .0004573 | .0001190 |
| %RSD   | .1901503 | 3.868804 | .3919905 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6642126 | .0113099 | .0302194 |
| #2 | .6622241 | .0119586 | .0304436 |
| #3 | .6645646 | .0121927 | .0304007 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.384 | 2488.901 | 34597.25 | 10638.64 | 3231.854 |
| Stddev    | 6.746    | 7.396    | 138.42   | 35.86    | 10.670   |
| %RSD      | .4670710 | .2971502 | .4000812 | .3371145 | .3301663 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1436.639 | 2497.438 | 34442.78 | 10607.19 | 3243.697 |
| #2 | 1448.981 | 2484.822 | 34638.93 | 10677.70 | 3228.877 |
| #3 | 1447.532 | 2484.442 | 34710.04 | 10631.02 | 3222.988 |

Sample Name: I6106-20      Acquired: 11/2/2017 20:36:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0082446 | .0009085 | .0882405 | -.003699 | .0013555 | 67.45744 | .1206015 |
| Stddev | .0010798 | .0011834 | .0015493 | .001415  | .0011733 | .12038   | .0001285 |
| %RSD   | 13.09663 | 130.2512 | 1.755730 | 38.24898 | 86.55346 | .1784471 | .1065428 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070378 | -.000432 | .0866253 | -.003209 | .0009802 | 67.42110 | .1206800 |
| #2 | .0085766 | .001347  | .0883822 | -.002595 | .0004158 | 67.59180 | .1206712 |
| #3 | .0091194 | .001810  | .0897141 | -.005294 | .0026705 | 67.35941 | .1204532 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020923 | -.001383 | 1.975146 | .1405067 | .0074959 | .0426892 | 88.51911 |
| Stddev | .0000777 | .000117  | .015449  | .0011467 | .0001235 | .0023470 | .34088   |
| %RSD   | 3.713426 | 8.487813 | .7821935 | .8161169 | 1.647051 | 5.497873 | .3850953 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021626 | -.001349 | 1.988024 | .1417254 | .0075742 | .0406662 | 88.12634 |
| #2 | .0021055 | -.001514 | 1.979398 | .1403457 | .0073535 | .0452624 | 88.73784 |
| #3 | .0020089 | -.001286 | 1.958016 | .1394490 | .0075598 | .0421388 | 88.69316 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1791513 | .8271069 | .0373599 | -.012393 | .2419174 | .2574568 | .1079299 |
| Stddev | .0015295 | .0072865 | .0006075 | .000129  | .0685840 | .0036338 | .0008009 |
| %RSD   | .8537408 | .8809569 | 1.626067 | 1.037470 | 28.35015 | 1.411421 | .7420817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1774618 | .8351180 | .0369609 | -.012247 | .1954422 | .2572862 | .1077885 |
| #2 | .1804416 | .8208743 | .0370597 | -.012489 | .3206870 | .2539112 | .1072090 |
| #3 | .1795507 | .8253284 | .0380591 | -.012444 | .2096230 | .2611728 | .1087921 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.798308 | .6589367 | -.110332 | .0038354 | .6577673 | 8.358117 | .0057657 |
| Stddev | .019998  | .0071430 | .000743  | .0001092 | .0049430 | .018952  | .0010101 |
| %RSD   | 2.504986 | 1.084013 | .6731562 | 2.846386 | .7514884 | .2267519 | 17.51930 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.804291 | .6658082 | -.109611 | .0038800 | .6634277 | 8.342473 | .0045993 |
| #2 | -.814631 | .6594519 | -.111095 | .0037110 | .6543021 | 8.352688 | .0063483 |
| #3 | -.776002 | .6515501 | -.110292 | .0039153 | .6555720 | 8.379192 | .0063495 |



Sample Name: I6106-20      Acquired: 11/2/2017 20:36:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0E99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6215934 | .0070650 | .0204169 |
| Stddev | .0045139 | .0002119 | .0001347 |
| %RSD   | .7261823 | 2.999774 | .6596295 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6164277 | .0068209 | .0202614 |
| #2 | .6247782 | .0072028 | .0204982 |
| #3 | .6235742 | .0071711 | .0204910 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1450.438 | 2508.451 | 34692.98 | 10648.13 | 3263.976 |
| Stddev    | 6.453    | 8.732    | 47.68    | 26.24    | 9.851    |
| %RSD      | .4448990 | .3481072 | .1374330 | .2463935 | .3017997 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1457.535 | 2517.454 | 34747.85 | 10678.17 | 3273.804 |
| #2 | 1448.858 | 2500.017 | 34669.47 | 10636.54 | 3254.102 |
| #3 | 1444.922 | 2507.882 | 34661.62 | 10629.69 | 3264.021 |

Sample Name: I6106-21      Acquired: 11/2/2017 20:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108549 | .0011538 | .0828754 | -.002629 | .0016475 | 66.17846 | .1346469 |
| Stddev | .0027325 | .0008651 | .0017617 | .000230  | .0000841 | .11191   | .0004155 |
| %RSD   | 25.17318 | 74.97711 | 2.125669 | 8.734502 | 5.103606 | .1691061 | .3086186 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0139733 | .0014118 | .0810810 | -.002784 | .0016836 | 66.28082 | .1347660 |
| #2 | .0097121 | .0018605 | .0829428 | -.002365 | .0015514 | 66.05897 | .1341847 |
| #3 | .0088793 | .0001891 | .0846024 | -.002737 | .0017075 | 66.19558 | .1349898 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019191 | -.001283 | 3.150311 | .1938566 | .0058153 | .0409039 | 82.71103 |
| Stddev | .0000314 | .000024  | .037008  | .0009192 | .0003797 | .0008153 | .22148   |
| %RSD   | 1.637977 | 1.833881 | 1.174734 | .4741864 | 6.529090 | 1.993184 | .2677769 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019121 | -.001307 | 3.188441 | .1929073 | .0057154 | .0401299 | 82.96174 |
| #2 | .0019534 | -.001282 | 3.147954 | .1939201 | .0054956 | .0408267 | 82.62943 |
| #3 | .0018918 | -.001260 | 3.114538 | .1947425 | .0062350 | .0417550 | 82.54193 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1025442 | .7734406 | .0501695 | -.011337 | .2933022 | .2382616 | .1805745 |
| Stddev | .0012649 | .0112116 | .0003139 | .000416  | .0500979 | .0038630 | .0024030 |
| %RSD   | 1.233553 | 1.449576 | .6257201 | 3.665446 | 17.08064 | 1.621340 | 1.330782 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1018293 | .7720995 | .0502587 | -.011649 | .3383883 | .2353205 | .1797794 |
| #2 | .1017985 | .7852625 | .0498207 | -.010865 | .3021476 | .2426365 | .1832744 |
| #3 | .1040047 | .7629599 | .0504292 | -.011498 | .2393708 | .2368277 | .1786698 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.882285 | .6366659 | -.103950 | .0038623 | .6241286 | 8.650323 | .0065612 |
| Stddev | .023612  | .0103513 | .000905  | .0002930 | .0061526 | .017048  | .0015738 |
| %RSD   | 2.676244 | 1.625860 | .8701937 | 7.585151 | .9857929 | .1970777 | 23.98596 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.880336 | .6267417 | -.104844 | .0035242 | .6174409 | 8.663795 | .0083322 |
| #2 | -.906812 | .6473970 | -.103970 | .0040207 | .6253966 | 8.656016 | .0060288 |
| #3 | -.859708 | .6358590 | -.103035 | .0040420 | .6295485 | 8.631157 | .0053228 |

Sample Name: I6106-21      Acquired: 11/2/2017 20:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5301799 | .0062230 | .0215863 |
| Stddev | .0002884 | .0000907 | .0000519 |
| %RSD   | .0543984 | 1.457647 | .2403709 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5303660 | .0062932 | .0216317 |
| #2 | .5298476 | .0062552 | .0215298 |
| #3 | .5303259 | .0061206 | .0215975 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.499 | 2466.320 | 34651.39 | 10678.09 | 3222.586 |
| Stddev    | 8.824    | 6.798    | 145.47   | 14.28    | 4.973    |
| %RSD      | .6108929 | .2756492 | .4198027 | .1337618 | .1543109 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1452.188 | 2461.014 | 34811.00 | 10674.93 | 3224.215 |
| #2 | 1434.864 | 2473.983 | 34526.25 | 10665.66 | 3226.539 |
| #3 | 1446.446 | 2463.962 | 34616.92 | 10693.69 | 3217.003 |

Sample Name: I6124-01      Acquired: 11/2/2017 20:45:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0229880 | -.001381 | .1926916 | .0016831 | .0012399 | 11.88307 | .1640658 |
| Stddev | .0008976 | .001657  | .0021983 | .0023484 | .0002125 | .03644   | .0005209 |
| %RSD   | 3.904471 | 119.9937 | 1.140826 | 139.5320 | 17.14041 | .3066835 | .3174743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0220095 | -.002532 | .1918508 | -.000976 | .0010107 | 11.92269 | .1639866 |
| #2 | .0231815 | .000518  | .1910377 | .002551  | .0014305 | 11.87556 | .1646217 |
| #3 | .0237731 | -.002128 | .1951861 | .003474  | .0012784 | 11.85097 | .1635891 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007856 | .0009150 | 3.572312 | .0976243 | .0039232 | .0371129 | 27.42569 |
| Stddev | .0000339 | .0000681 | .019810  | .0010383 | .0001426 | .0003692 | .06486   |
| %RSD   | 4.313771 | 7.440893 | .5545385 | 1.063589 | 3.633811 | .9948392 | .2365084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007494 | .0009927 | 3.571623 | .0966136 | .0037916 | .0372156 | 27.35435 |
| #2 | .0007908 | .0008659 | 3.552856 | .0986882 | .0039035 | .0374199 | 27.44161 |
| #3 | .0008166 | .0008864 | 3.592457 | .0975710 | .0040746 | .0367032 | 27.48111 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2221284 | 1.175642 | .0448437 | -.004177 | .2022026 | .0536530 | .2510583 |
| Stddev | .0011663 | .007681  | .0000295 | .000391  | .0080418 | .0014065 | .0030747 |
| %RSD   | .5250362 | .6533244 | .0656921 | 9.366287 | 3.977094 | 2.621396 | 1.224690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2208632 | 1.168211 | .0448691 | -.004142 | .2073933 | .0552728 | .2485269 |
| #2 | .2223614 | 1.175163 | .0448114 | -.004584 | .2062755 | .0527415 | .2501682 |
| #3 | .2231605 | 1.183551 | .0448504 | -.003804 | .1929392 | .0529447 | .2544798 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.33687 | 1.430888 | -.034782 | .0017305 | .6078294 | 2.649469 | .0018882 |
| Stddev | .01033   | .008226  | .000559  | .0002094 | .0067777 | .013549  | .0030227 |
| %RSD   | .7729413 | .5748978 | 1.608418 | 12.10189 | 1.115070 | .5113836 | 160.0866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.34750 | 1.426991 | -.035124 | .0017424 | .6040912 | 2.664691 | .0013601 |
| #2 | -1.33624 | 1.425334 | -.035086 | .0019337 | .6037439 | 2.644987 | -.000836 |
| #3 | -1.32686 | 1.440338 | -.034137 | .0015154 | .6156531 | 2.638729 | .005140  |

Sample Name: I6124-01      Acquired: 11/2/2017 20:45:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EA1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2540394 | -.002864 | .0229407 |
| Stddev | .0018554 | .000343  | .0001134 |
| %RSD   | .7303607 | 11.97577 | .4944609 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2531346 | -.002820 | .0230599 |
| #2 | .2561736 | -.003227 | .0229283 |
| #3 | .2528099 | -.002545 | .0228340 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1416.490 | 2422.123 | 34653.76 | 10490.19 | 3401.159 |
| Stddev    | 9.871    | 10.263   | 8.46     | 31.72    | 12.275   |
| %RSD      | .6968614 | .4237234 | .0244236 | .3024052 | .3609210 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1427.034 | 2410.548 | 34654.69 | 10457.15 | 3390.134 |
| #2 | 1407.469 | 2430.112 | 34644.87 | 10493.02 | 3414.387 |
| #3 | 1414.967 | 2425.709 | 34661.71 | 10520.41 | 3398.957 |

Sample Name: I6124-02      Acquired: 11/2/2017 20:49:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2698173 | -.005219 | 1.868655 | -.003248 | .0072772 | 46.88595 | 1.468792 |
| Stddev | .0010206 | .003034  | .008721  | .003727  | .0009397 | .05105   | .004326  |
| %RSD   | .3782657 | 58.13599 | .4666915 | 114.7481 | 12.91276 | .1088917 | .2945081 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2691698 | -.002198 | 1.863409 | -.003769 | .0083204 | 46.84378 | 1.473132 |
| #2 | .2692882 | -.005193 | 1.863833 | -.006688 | .0064972 | 46.87137 | 1.468765 |
| #3 | .2709938 | -.008266 | 1.878722 | .000712  | .0070139 | 46.94271 | 1.464480 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068138 | .0138780 | 59.30110 | .2438200 | .0178102 | .1758864 | 120.8965 |
| Stddev | .0001382 | .0001029 | .06995   | .0008121 | .0002908 | .0007882 | .1467    |
| %RSD   | 2.027701 | .7416503 | .1179526 | .3330565 | 1.632703 | .4481555 | .1213168 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0066817 | .0138261 | 59.22035 | .2428823 | .0180218 | .1763714 | 120.7476 |
| #2 | .0068023 | .0138114 | 59.34000 | .2442888 | .0174786 | .1749769 | 121.0408 |
| #3 | .0069573 | .0139966 | 59.34295 | .2442889 | .0179302 | .1763110 | 120.9011 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.971180 | 29.45088 | .1211565 | -.017118 | .8911215 | .1701119 | 1.789058 |
| Stddev | .009255  | .01048   | .0003963 | .000180  | .0551450 | .0016477 | .016308  |
| %RSD   | .3114943 | .0355923 | .3271030 | 1.049646 | 6.188272 | .9685956 | .9115388 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.960929 | 29.44213 | .1214342 | -.017042 | .8891328 | .1698082 | 1.770439 |
| #2 | 2.973689 | 29.46250 | .1207026 | -.017323 | .8369977 | .1686372 | 1.800806 |
| #3 | 2.978921 | 29.44802 | .1213326 | -.016988 | .9472340 | .1718903 | 1.795929 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4704024 | 2.103974 | -.088880 | .0079384 | 5.052895 | 6.742260 | .1007870 |
| Stddev | .0151275 | .012589  | .001349  | .0002010 | .039274  | .025460  | .0016195 |
| %RSD   | 3.215868 | .5983466 | 1.517306 | 2.531946 | .7772554 | .3776237 | 1.606862 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4603415 | 2.098305 | -.087522 | .0080806 | 5.021802 | 6.712874 | .1020393 |
| #2 | .4630665 | 2.095216 | -.090219 | .0077085 | 5.039851 | 6.757700 | .0989581 |
| #3 | .4877992 | 2.118401 | -.088899 | .0080262 | 5.097031 | 6.756207 | .1013636 |

Sample Name: I6124-02      Acquired: 11/2/2017 20:49:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6631237 | .0290659 | .2140480 |
| Stddev | .0001850 | .0000912 | .0001560 |
| %RSD   | .0279009 | .3138475 | .0728882 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6632541 | .0290584 | .2140714 |
| #2 | .6629119 | .0289787 | .2138815 |
| #3 | .6632050 | .0291607 | .2141909 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1401.703 | 2393.976 | 34255.74 | 10909.30 | 3026.960 |
| Stddev    | 8.755    | 11.193   | 109.26   | 17.51    | 17.426   |
| %RSD      | .6245666 | .4675389 | .3189474 | .1605322 | .5756873 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1393.987 | 2396.058 | 34162.21 | 10900.51 | 3030.116 |
| #2 | 1399.905 | 2403.981 | 34229.18 | 10897.92 | 3042.592 |
| #3 | 1411.217 | 2381.888 | 34375.82 | 10929.47 | 3008.171 |

Sample Name: I6124-03      Acquired: 11/2/2017 20:53:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1388857 | .0034826 | .1234380 | -.005675 | .0035836 | 62.84977 | .2447236 |
| Stddev | .0046238 | .0026942 | .0016375 | .003737  | .0006909 | .19263   | .0008492 |
| %RSD   | 3.329249 | 77.36087 | 1.326550 | 65.84792 | 19.28003 | .3064873 | .3469858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1354571 | .0026415 | .1215659 | -.006619 | .0036505 | 62.63308 | .2437458 |
| #2 | .1370554 | .0013093 | .1246037 | -.008849 | .0028616 | 62.91464 | .2452754 |
| #3 | .1441445 | .0064971 | .1241444 | -.001557 | .0042386 | 63.00158 | .2451497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028280 | .0006263 | 4.184588 | .2555763 | .0093586 | .0525988 | 117.7031 |
| Stddev | .0000283 | .0000522 | .047334  | .0014395 | .0001780 | .0022379 | .9841    |
| %RSD   | .9999744 | 8.334871 | 1.131158 | .5632573 | 1.901704 | 4.254760 | .8361131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028427 | .0005668 | 4.134805 | .2572078 | .0091684 | .0500377 | 116.5725 |
| #2 | .0028460 | .0006644 | 4.229018 | .2550360 | .0093862 | .0541775 | 118.3680 |
| #3 | .0027955 | .0006477 | 4.189942 | .2544850 | .0095212 | .0535813 | 118.1688 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3951092 | 2.120947 | .0820226 | -.016014 | .4770587 | .2748222 | .1207390 |
| Stddev | .0027544 | .021394  | .0009126 | .000277  | .0814809 | .0003899 | .0074495 |
| %RSD   | .6971157 | 1.008712 | 1.112599 | 1.727645 | 17.07984 | .1418714 | 6.169887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3928069 | 2.139351 | .0809736 | -.015712 | .3831256 | .2744659 | .1233148 |
| #2 | .3981606 | 2.097473 | .0826334 | -.016077 | .5286675 | .2747619 | .1123434 |
| #3 | .3943599 | 2.126018 | .0824609 | -.016254 | .5193831 | .2752387 | .1265587 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0215406 | .8842689 | -.143360 | .0043617 | .3902500 | 8.674464 | .0057766 |
| Stddev | .0283805 | .0102604 | .000793  | .0003276 | .0048340 | .054617  | .0027568 |
| %RSD   | 131.7539 | 1.160327 | .5532772 | 7.511801 | 1.238698 | .6296304 | 47.72291 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0484825 | .8807694 | -.144021 | .0047280 | .3846681 | 8.627652 | .0026236 |
| #2 | -.008088 | .8958213 | -.143578 | .0040966 | .3930323 | 8.734469 | .0069741 |
| #3 | .024227  | .8762161 | -.142481 | .0042605 | .3930494 | 8.661270 | .0077322 |



Sample Name: I6124-03      Acquired: 11/2/2017 20:53:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8195795 | .0178986 | .0353062 |
| Stddev | .0042474 | .0003451 | .0002522 |
| %RSD   | .5182470 | 1.928105 | .7142453 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8147985 | .0175184 | .0350325 |
| #2 | .8210228 | .0179853 | .0355292 |
| #3 | .8229173 | .0181920 | .0353568 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1427.933 | 2434.372 | 34217.14 | 10580.20 | 3226.119 |
| Stddev    | 3.618    | 9.381    | 93.58    | 58.18    | 9.142    |
| %RSD      | .2533735 | .3853538 | .2734780 | .5499077 | .2833832 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1424.176 | 2445.122 | 34112.59 | 10622.78 | 3236.042 |
| #2 | 1431.394 | 2427.844 | 34293.05 | 10513.90 | 3224.278 |
| #3 | 1428.229 | 2430.149 | 34245.78 | 10603.90 | 3218.038 |

Sample Name: CCV031      Acquired: 11/2/2017 20:57:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV031      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.991874 | 4.828075 | 25.30616 | 4.834547 | 4.872666 | F 290.3789 |
| Stddev | .012593  | .038385  | .10973   | .029445  | .023761  | .9920      |
| %RSD   | .2522661 | .7950322 | .4336164 | .6090568 | .4876406 | .3416217   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.998794 | 4.818984 | 25.26671 | 4.836921 | 4.866100 | 289.3399 |
| #2 | 4.977338 | 4.795051 | 25.22161 | 4.803986 | 4.852878 | 291.3160 |
| #3 | 4.999489 | 4.870189 | 25.43016 | 4.862732 | 4.899019 | 290.4809 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.855764 | .5038856 | 2.491134 | F 324.2914 | 15.33371 | 2.486966 |
| Stddev | .089173  | .0045473 | .013546  | 2.8231     | .02543   | .011806  |
| %RSD   | .9047793 | .9024449 | .5437819 | .8705348   | .1658626 | .4747265 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.953036 | .5012252 | 2.490204 | 323.7259 | 15.30880 | 2.484992 |
| #2 | 9.777881 | .5012955 | 2.478077 | 321.7939 | 15.35963 | 2.476272 |
| #3 | 9.836373 | .5091363 | 2.505122 | 327.3544 | 15.33270 | 2.499635 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.11335 | F 310.7028 | 15.00050 | F 324.1888 | 2.472329 | 1.282547 |
| Stddev | .08809   | 3.1509     | .15809   | 3.0379     | .011942  | .007117  |
| %RSD   | .5828369 | 1.014110   | 1.053905 | .9370842   | .4830445 | .5549193 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.07291 | 310.5265 | 14.97318 | 323.7405 | 2.468584 | 1.274344 |
| #2 | 15.05276 | 307.6438 | 14.85785 | 321.3999 | 2.462709 | 1.286217 |
| #3 | 15.21440 | 313.9382 | 15.17047 | 327.4260 | 2.485696 | 1.287081 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 289.5342 | 2.478331 | 15.64496 | 150.8030 | 5.172826 | 4.692287 |
| Stddev | 3.0345     | .023202  | .05296   | .9306    | .055292  | .045360  |
| %RSD   | 1.048047   | .9362080 | .3385416 | .6170795 | 1.068888 | .9666835 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 289.4336 | 2.451851 | 15.59646 | 150.4396 | 5.153567 | 4.674685 |
| #2 | 286.5513 | 2.488043 | 15.70148 | 150.1089 | 5.129739 | 4.658366 |
| #3 | 292.6177 | 2.495099 | 15.63693 | 151.8604 | 5.235171 | 4.743809 |

Sample Name: CCV031      Acquired: 11/2/2017 20:57:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV031      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.780094 | 5.098683 | 4.961242 | 4.773452 | 5.052877 | 4.999616 |
| Stddev | .021493  | .032934  | .041636  | .034851  | .011310  | .035951  |
| %RSD   | .4496373 | .6459258 | .8392212 | .7300949 | .2238245 | .7190846 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.776698 | 5.086466 | 4.928921 | 4.781430 | 5.045606 | 4.992958 |
| #2 | 4.760500 | 5.073604 | 4.946579 | 4.735304 | 5.047117 | 4.967458 |
| #3 | 4.803082 | 5.135980 | 5.008225 | 4.803622 | 5.065907 | 5.038431 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.034805 |
| Stddev | .080962  |
| %RSD   | 1.608038 |

|    |          |
|----|----------|
| #1 | 5.051848 |
| #2 | 4.946679 |
| #3 | 5.105889 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1141.537 | 1949.990 | 28405.29 | 9531.464 | 2350.802 |
| Stddev    | 5.698    | 6.966    | 62.22    | 75.448   | 11.133   |
| %RSD      | .4991442 | .3572287 | .2190469 | .7915665 | .4735922 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1146.645 | 1950.539 | 28474.15 | 9541.067 | 2352.077 |
| #2 | 1142.576 | 1956.665 | 28388.59 | 9601.651 | 2361.243 |
| #3 | 1135.392 | 1942.766 | 28353.12 | 9451.675 | 2339.086 |

Sample Name: CCB031      Acquired: 11/2/2017 21:01:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB031      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006688 | .0002132 | -.000423 | -.000589 | -.000820 | -.000890 | .0002757 |
| Stddev | .0011403 | .0013524 | .001423  | .000595  | .000695  | .004520  | .0003016 |
| %RSD   | 170.5137 | 634.4008 | 336.3178 | 101.1349 | 84.83281 | 507.8668 | 109.3752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000184 | -.000894 | -.002039 | .000006  | -.001303 | .000459  | .0004432 |
| #2 | .000226  | -.000186 | .000127  | -.000588 | -.000023 | .002802  | -.000072 |
| #3 | .001964  | .001720  | .000643  | -.001185 | -.001133 | -.005931 | .000456  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000004 | -.000105 | -.000693 | .0003488 | -.000126 | .0014492 | .0003113 |
| Stddev | .000061  | .000023  | .005954  | .0003846 | .000076  | .0007434 | .0012846 |
| %RSD   | 1573.983 | 22.34092 | 859.7752 | 110.2714 | 60.09366 | 51.29732 | 412.6074 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000060  | -.000095 | -.002085 | .0003519 | -.000040 | .0022257 | .0011608 |
| #2 | -.000010 | -.000088 | .005835  | -.000037 | -.000184 | .0007440 | -.001166 |
| #3 | -.000062 | -.000131 | -.005827 | .000732  | -.000152 | .0013779 | .000940  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000009 | .0221582 | .0000520 | -.000231 | .0184179 | -.001621 | -.004782 |
| Stddev | .0000667 | .0092520 | .0002727 | .000357  | .0579267 | .001583  | .002584  |
| %RSD   | 7402.273 | 41.75430 | 524.1073 | 154.4380 | 314.5125 | 97.60535 | 54.04131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000641 | .0228853 | .0000973 | .000178  | -.019722 | -.000746 | -.007757 |
| #2 | .0000075 | .0125641 | .0002993 | -.000389 | -.010099 | -.000670 | -.003497 |
| #3 | -.000069 | .0310252 | -.000240 | -.000482 | .085075  | -.003448 | -.003092 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.074768 | .0040028 | .0018550 | .0004089 | .0164647 | -.004134 | .0010999 |
| Stddev | .069134  | .0020518 | .0017792 | .0001415 | .0044931 | .000586  | .0014649 |
| %RSD   | 92.46565 | 51.25862 | 95.91756 | 34.60270 | 27.28951 | 14.17296 | 133.1901 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.112959 | .0035823 | .0030072 | .0005314 | .0174127 | -.004793 | .0022468 |
| #2 | -.116381 | .0021938 | .0027520 | .0004413 | .0115732 | -.003673 | -.000550 |
| #3 | .005037  | .0062322 | -.000194 | .0002540 | .0204082 | -.003936 | .001603  |

Sample Name: CCB031      Acquired: 11/2/2017 21:01:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB031      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000317 | -.003670 | -.000340 |
| Stddev | .000373  | .000497  | .000025  |
| %RSD   | 117.7663 | 13.53411 | 7.324285 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000287 | -.004211 | -.000313 |
| #2 | -.000704 | -.003234 | -.000345 |
| #3 | .000040  | -.003564 | -.000361 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1437.750 | 2489.140 | 34517.32 | 10235.01 | 3563.551 |
| Stddev    | 15.814   | 10.928   | 124.41   | 30.87    | 8.303    |
| %RSD      | 1.099904 | .4390275 | .3604394 | .3015673 | .2330019 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1439.472 | 2480.687 | 34500.34 | 10249.00 | 3554.820 |
| #2 | 1421.146 | 2501.480 | 34402.28 | 10256.40 | 3571.348 |
| #3 | 1452.633 | 2485.253 | 34649.36 | 10199.63 | 3564.485 |

Sample Name: I6124-04      Acquired: 11/2/2017 21:05:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0333696 | -.000387 | .1146314 | .0007499 | .0014704 | 39.80516 | .2443268 |
| Stddev | .0015061 | .001348  | .0008763 | .0020674 | .0019871 | .07015   | .0009777 |
| %RSD   | 4.513371 | 347.8605 | .7644241 | 275.6780 | 135.1436 | .1762389 | .4001722 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0346926 | -.000739 | .1141283 | .0031361 | .0035815 | 39.75395 | .2439587 |
| #2 | .0317306 | .001101  | .1141226 | -.000504 | -.000364 | 39.88512 | .2454352 |
| #3 | .0336855 | -.001524 | .1156432 | -.000383 | .001193  | 39.77641 | .2435866 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019839 | .0035421 | 2.013272 | .1195309 | .0074548 | .0378091 | 43.93389 |
| Stddev | .0000784 | .0001005 | .007080  | .0005003 | .0001747 | .0010303 | .17795   |
| %RSD   | 3.952601 | 2.837065 | .3516452 | .4185951 | 2.343140 | 2.725021 | .4050507 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020679 | .0035999 | 2.012979 | .1191546 | .0074291 | .0374161 | 43.94956 |
| #2 | .0019127 | .0034261 | 2.006343 | .1193393 | .0072945 | .0389780 | 44.10349 |
| #3 | .0019709 | .0036004 | 2.020493 | .1200987 | .0076409 | .0370331 | 43.74862 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1715273 | 1.605479 | .0660552 | -.006318 | .2356994 | .1088598 | .7773047 |
| Stddev | .0011652 | .009742  | .0003302 | .000102  | .0432498 | .0004992 | .0080655 |
| %RSD   | .6792891 | .6068265 | .4998419 | 1.617179 | 18.34956 | .4585909 | 1.037624 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1726405 | 1.604457 | .0657557 | -.006301 | .2032419 | .1083477 | .7860684 |
| #2 | .1716249 | 1.615692 | .0664093 | -.006428 | .2190583 | .1093451 | .7701933 |
| #3 | .1703163 | 1.596288 | .0660007 | -.006226 | .2847980 | .1088866 | .7756523 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.872394 | .7425593 | -.050137 | .0025996 | .3171943 | 6.419620 | .0024058 |
| Stddev | .034033  | .0123760 | .000515  | .0002588 | .0043851 | .042185  | .0019842 |
| %RSD   | 3.901117 | 1.666667 | 1.028112 | 9.957261 | 1.382461 | .6571219 | 82.47555 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.833099 | .7482846 | -.050140 | .0028802 | .3193455 | 6.396309 | .0031065 |
| #2 | -.892507 | .7283573 | -.049620 | .0025487 | .3200885 | 6.468316 | .0001663 |
| #3 | -.891574 | .7510361 | -.050651 | .0023700 | .3121491 | 6.394236 | .0039446 |

Sample Name: I6124-04      Acquired: 11/2/2017 21:05:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3321868 | .0148551 | .0196392 |
| Stddev | .0012771 | .0003289 | .0000900 |
| %RSD   | .3844487 | 2.214118 | .4583768 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3325779 | .0147500 | .0197119 |
| #2 | .3332226 | .0145917 | .0196671 |
| #3 | .3307599 | .0152238 | .0195385 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1453.353 | 2486.072 | 35124.39 | 10736.93 | 3341.901 |
| Stddev    | 1.080    | 10.903   | 29.49    | 54.56    | 11.263   |
| %RSD      | .0742929 | .4385692 | .0839708 | .5081452 | .3370314 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1452.437 | 2475.896 | 35142.35 | 10749.93 | 3333.617 |
| #2 | 1454.543 | 2497.580 | 35090.35 | 10677.04 | 3354.726 |
| #3 | 1453.078 | 2484.739 | 35140.47 | 10783.81 | 3337.360 |

Sample Name: I6124-05      Acquired: 11/2/2017 21:09:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063136 | -.001357 | .0256441 | -.001627 | .0009076 | 20.38677 | .1348600 |
| Stddev | .0029504 | .002857  | .0007420 | .000686  | .0008456 | .04977   | .0002366 |
| %RSD   | 46.73071 | 210.5487 | 2.893396 | 42.18073 | 93.16602 | .2441096 | .1754182 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0038856 | -.003908 | .0247884 | -.000989 | .0012478 | 20.36446 | .1347727 |
| #2 | .0095972 | -.001892 | .0260359 | -.002353 | -.000055 | 20.35207 | .1351277 |
| #3 | .0054579 | .001730  | .0261081 | -.001539 | .001530  | 20.44379 | .1346794 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009383 | -.000138 | .8596201 | .0902349 | .0041554 | .0155089 | 30.64828 |
| Stddev | .0000352 | .000025  | .0137137 | .0007191 | .0002676 | .0004968 | .12339   |
| %RSD   | 3.755237 | 18.22865 | 1.595319 | .7969123 | 6.439498 | 3.203021 | .4026112 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009779 | -.000118 | .8568194 | .0903700 | .0042194 | .0150788 | 30.50768 |
| #2 | .0009104 | -.000129 | .8745179 | .0894578 | .0043852 | .0160526 | 30.73859 |
| #3 | .0009267 | -.000166 | .8475229 | .0908768 | .0038617 | .0153953 | 30.69857 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1097332 | 1.143457 | .0374162 | -.004581 | .1835707 | .0832416 | .0948705 |
| Stddev | .0007904 | .021940  | .0002446 | .000198  | .0101577 | .0017511 | .0060916 |
| %RSD   | .7203061 | 1.918762 | .6537825 | 4.311258 | 5.533379 | 2.103569 | 6.421013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1088291 | 1.163775 | .0372313 | -.004514 | .1727678 | .0830651 | .0977815 |
| #2 | .1102934 | 1.120192 | .0373238 | -.004804 | .1929282 | .0850742 | .0989605 |
| #3 | .1100771 | 1.146404 | .0376936 | -.004426 | .1850161 | .0815855 | .0878695 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.16600 | .3004785 | -.039111 | .0016588 | .1224651 | 2.333204 | .0016383 |
| Stddev | .02153   | .0018256 | .000948  | .0002256 | .0053391 | .014529  | .0039648 |
| %RSD   | 1.846680 | .6075546 | 2.423244 | 13.59821 | 4.359724 | .6226908 | 242.0088 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.17306 | .2983730 | -.039658 | .0016912 | .1286039 | 2.316432 | .0055616 |
| #2 | -1.18312 | .3016199 | -.039658 | .0014188 | .1189027 | 2.341898 | -.002367 |
| #3 | -1.14183 | .3014426 | -.038016 | .0018664 | .1198888 | 2.341283 | .001720  |



Sample Name: I6124-05      Acquired: 11/2/2017 21:09:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3077398 | .0017607 | .0105104 |
| Stddev | .0025283 | .0002070 | .0000678 |
| %RSD   | .8215664 | 11.75501 | .6455141 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3071918 | .0019997 | .0104330 |
| #2 | .3055305 | .0016440 | .0105593 |
| #3 | .3104972 | .0016385 | .0105390 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1425.472 | 2437.838 | 34333.42 | 10396.51 | 3389.479 |
| Stddev    | 9.079    | 2.898    | 50.92    | 40.72    | 8.255    |
| %RSD      | .6369016 | .1188733 | .1483123 | .3916222 | .2435552 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1415.661 | 2435.953 | 34291.22 | 10438.07 | 3392.432 |
| #2 | 1427.179 | 2441.175 | 34319.05 | 10356.70 | 3395.853 |
| #3 | 1433.576 | 2436.386 | 34389.98 | 10394.76 | 3380.154 |

Sample Name: I6124-06      Acquired: 11/2/2017 21:13:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068387 | .0004246 | .0534335 | -.002724 | .0040093 | 47.37740 | .1773423 |
| Stddev | .0040146 | .0009120 | .0016243 | .001468  | .0005191 | .06225   | .0003618 |
| %RSD   | 58.70490 | 214.7776 | 3.039856 | 53.88611 | 12.94821 | .1313863 | .2039940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0086108 | -.000623 | .0535346 | -.003442 | .0045084 | 47.41335 | .1773492 |
| #2 | .0022429 | .001038  | .0517610 | -.003694 | .0034722 | 47.30552 | .1769771 |
| #3 | .0096623 | .000859  | .0550049 | -.001035 | .0040473 | 47.41334 | .1777006 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020242 | -.000590 | 1.488279 | .1480351 | .0055078 | .0335364 | 66.25108 |
| Stddev | .0000759 | .000096  | .020629  | .0002869 | .0000253 | .0007484 | .32473   |
| %RSD   | 3.749391 | 16.27100 | 1.386093 | .1937838 | .4590898 | 2.231524 | .4901461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019755 | -.000695 | 1.498089 | .1479903 | .0055315 | .0327581 | 66.43992 |
| #2 | .0021116 | -.000568 | 1.464576 | .1477732 | .0055105 | .0336005 | 65.87612 |
| #3 | .0019854 | -.000507 | 1.502172 | .1483416 | .0054812 | .0342507 | 66.43719 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0705635 | .9298123 | .0517945 | -.008831 | .2845746 | .2099116 | .0681425 |
| Stddev | .0007425 | .0177166 | .0004034 | .000329  | .0354533 | .0017318 | .0028743 |
| %RSD   | 1.052260 | 1.905393 | .7788704 | 3.726097 | 12.45835 | .8249968 | 4.218053 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0712363 | .9500060 | .0513558 | -.009037 | .2725350 | .2118533 | .0711301 |
| #2 | .0697668 | .9168804 | .0518782 | -.009005 | .2567090 | .2093549 | .0653968 |
| #3 | .0706872 | .9225504 | .0521495 | -.008452 | .3244799 | .2085267 | .0679005 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.633098 | .4551218 | -.083445 | .0028127 | .2234972 | 4.265534 | .0035025 |
| Stddev | .005728  | .0054043 | .000774  | .0001501 | .0025418 | .020583  | .0012297 |
| %RSD   | .9047633 | 1.187437 | .9273937 | 5.336200 | 1.137297 | .4825425 | 35.10940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.627433 | .4537233 | -.082854 | .0027358 | .2264220 | 4.261805 | .0034691 |
| #2 | -.638887 | .4610879 | -.083161 | .0027167 | .2218227 | 4.247070 | .0047486 |
| #3 | -.632973 | .4505542 | -.084321 | .0029856 | .2222469 | 4.287726 | .0022898 |

Sample Name: I6124-06      Acquired: 11/2/2017 21:13:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4356895 | .0072349 | .0183900 |
| Stddev | .0020334 | .0001921 | .0000537 |
| %RSD   | .4667123 | 2.654917 | .2921964 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4373269 | .0072014 | .0184498 |
| #2 | .4363281 | .0074415 | .0183458 |
| #3 | .4334134 | .0070617 | .0183744 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1452.729 | 2461.204 | 34726.21 | 10741.34 | 3306.004 |
| Stddev    | 5.143    | 9.053    | 37.65    | 61.50    | 12.765   |
| %RSD      | .3540181 | .3678299 | .1084105 | .5725377 | .3861290 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1447.726 | 2462.164 | 34682.74 | 10682.92 | 3309.586 |
| #2 | 1452.461 | 2469.739 | 34748.08 | 10805.51 | 3316.595 |
| #3 | 1458.001 | 2451.709 | 34747.81 | 10735.61 | 3291.830 |

Sample Name: I6124-07      Acquired: 11/2/2017 21:18:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1096099 | -.005738 | 4.398550 | -.006062 | .0086495 | 32.14379 | 3.242200 |
| Stddev | .0014529 | .004663  | .024045  | .001544  | .0009606 | .25495   | .032241  |
| %RSD   | 1.325534 | 81.26007 | .5466593 | 25.47147 | 11.10637 | .7931514 | .9944050 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1094949 | -.003647 | 4.391914 | -.006503 | .0076976 | 32.43365 | 3.274631 |
| #2 | .1111168 | -.011080 | 4.378520 | -.004345 | .0096187 | 31.95428 | 3.210153 |
| #3 | .1082178 | -.002487 | 4.425216 | -.007337 | .0086322 | 32.04346 | 3.241817 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0039070 | .0408815 | 90.60325 | .3374294 | .0255751 | .6851244 | 124.9782 |
| Stddev | .0000550 | .0001239 | .74892   | .0013523 | .0002691 | .0033424 | 1.1356   |
| %RSD   | 1.407951 | .3031034 | .8265970 | .4007559 | 1.052146 | .4878586 | .9086484 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0039552 | .0407699 | 90.66979 | .3364068 | .0258822 | .6887956 | 125.4917 |
| #2 | .0039187 | .0408597 | 89.82328 | .3369187 | .0253807 | .6822575 | 123.6766 |
| #3 | .0038471 | .0410148 | 91.31669 | .3389626 | .0254624 | .6843201 | 125.7664 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.457186 | 36.44181 | .1691323 | -.016668 | .6456478 | .1818196 | 3.020328 |
| Stddev | .014505  | .33007   | .0010371 | .000117  | .0605571 | .0040275 | .058308  |
| %RSD   | .9954364 | .9057420 | .6132195 | .7028261 | 9.379281 | 2.215090 | 1.930503 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.466870 | 36.57935 | .1687747 | -.016780 | .5784131 | .1863524 | 3.034648 |
| #2 | 1.440509 | 36.06521 | .1683213 | -.016677 | .6626283 | .1786527 | 3.070141 |
| #3 | 1.464179 | 36.68087 | .1703010 | -.016547 | .6959021 | .1804539 | 2.956195 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6483861 | 4.894040 | -.132869 | .0171906 | 4.568058 | 8.376406 | .0577107 |
| Stddev | .0750742 | .025538  | .002075  | .0000699 | .022523  | .069467  | .0031857 |
| %RSD   | 11.57863 | .5218224 | 1.561316 | .4066317 | .4930512 | .8293192 | 5.520098 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7169667 | 4.918356 | -.134922 | .0172124 | 4.593282 | 8.434731 | .0588965 |
| #2 | .5681756 | 4.867434 | -.132910 | .0171124 | 4.549961 | 8.299553 | .0541022 |
| #3 | .6600159 | 4.896330 | -.130773 | .0172470 | 4.560930 | 8.394932 | .0601335 |

Sample Name: I6124-07      Acquired: 11/2/2017 21:18:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EA7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7635796 | .0203009 | .3215541 |
| Stddev | .0032506 | .0006391 | .0029909 |
| %RSD   | .4257025 | 3.148051 | .9301528 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7673330 | .0209971 | .3248659 |
| #2 | .7616812 | .0201645 | .3190498 |
| #3 | .7617246 | .0197410 | .3207467 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1335.824 | 2259.499 | 32651.29 | 10540.19 | 2958.911 |
| Stddev    | 10.511   | 10.558   | 75.72    | 64.08    | 9.859    |
| %RSD      | .7868376 | .4672761 | .2319111 | .6079677 | .3331851 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1329.462 | 2255.957 | 32674.03 | 10510.23 | 2956.682 |
| #2 | 1330.055 | 2271.373 | 32566.80 | 10613.77 | 2969.693 |
| #3 | 1347.956 | 2251.168 | 32713.03 | 10496.59 | 2950.357 |

Sample Name: I6124-08      Acquired: 11/2/2017 21:22:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2094684 | -.000416 | 1.506386 | -.007345 | .0068162 | 35.82570 | .6863514 |
| Stddev | .0027103 | .001855  | .004177  | .002775  | .0016383 | .06190   | .0012012 |
| %RSD   | 1.293904 | 445.6575 | .2772978 | 37.77958 | 24.03548 | .1727845 | .1750160 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2125942 | -.002490 | 1.503526 | -.004141 | .0084527 | 35.75470 | .6862749 |
| #2 | .2080397 | .000155  | 1.504452 | -.009000 | .0068198 | 35.86835 | .6875890 |
| #3 | .2077714 | .001086  | 1.511179 | -.008894 | .0051761 | 35.85406 | .6851902 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030690 | .0025508 | 6.246489 | .2353684 | .0144283 | .3430532 | 135.2372 |
| Stddev | .0001514 | .0000320 | .041964  | .0041309 | .0002577 | .0025286 | .3121    |
| %RSD   | 4.933395 | 1.255314 | .6718033 | 1.755072 | 1.786067 | .7370714 | .2308076 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031238 | .0025537 | 6.201933 | .2396981 | .0141534 | .3403121 | 135.5511 |
| #2 | .0028979 | .0025175 | 6.285261 | .2314702 | .0146645 | .3435530 | 134.9268 |
| #3 | .0031854 | .0025813 | 6.252271 | .2349370 | .0144671 | .3452946 | 135.2337 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6003399 | 1.835939 | .0841485 | -.018128 | .3814901 | .2383647 | .4348050 |
| Stddev | .0023813 | .003218  | .0002095 | .000474  | .0660723 | .0017945 | .0044520 |
| %RSD   | .3966636 | .1752982 | .2489646 | 2.617379 | 17.31954 | .7528216 | 1.023919 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6000262 | 1.836095 | .0843715 | -.018676 | .3452460 | .2394726 | .4378191 |
| #2 | .5981310 | 1.832646 | .0839558 | -.017831 | .4577527 | .2393272 | .4296914 |
| #3 | .6028626 | 1.839077 | .0841183 | -.017878 | .3414716 | .2362943 | .4369046 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.678441 | 2.123067 | -.171642 | .0055441 | .7731398 | 7.466873 | .0267650 |
| Stddev | .033917  | .020878  | .003247  | .0002606 | .0066108 | .054656  | .0029269 |
| %RSD   | 4.999308 | .9834036 | 1.891963 | 4.700328 | .8550541 | .7319859 | 10.93557 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.707032 | 2.105879 | -.174484 | .0052545 | .7673341 | 7.524698 | .0254856 |
| #2 | -.687325 | 2.146301 | -.168102 | .0056182 | .7717504 | 7.416062 | .0246955 |
| #3 | -.640966 | 2.117021 | -.172339 | .0057596 | .7803348 | 7.459858 | .0301137 |

Sample Name: I6124-08      Acquired: 11/2/2017 21:22:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4711925 | .0030307 | .0587536 |
| Stddev | .0004131 | .0006511 | .0001023 |
| %RSD   | .0876696 | 21.48436 | .1741183 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4716540 | .0022821 | .0586404 |
| #2 | .4710659 | .0034652 | .0587808 |
| #3 | .4708575 | .0033449 | .0588395 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1406.491 | 2397.161 | 34199.27 | 10637.12 | 3215.609 |
| Stddev    | 27.066   | 5.294    | 526.95   | 54.63    | 7.924    |
| %RSD      | 1.924373 | .2208514 | 1.540810 | .5135968 | .2464228 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1383.292 | 2402.818 | 33612.71 | 10593.39 | 3224.153 |
| #2 | 1436.227 | 2392.326 | 34632.65 | 10698.36 | 3208.502 |
| #3 | 1399.955 | 2396.338 | 34352.46 | 10619.60 | 3214.171 |

Sample Name: I6124-09      Acquired: 11/2/2017 21:26:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3455548 | -.001092 | .1780911 | .0010904 | .0012090 | 44.73869 | .3260106 |
| Stddev | .0034945 | .002702  | .0031815 | .0041754 | .0010669 | .09493   | .0007431 |
| %RSD   | 1.011262 | 247.4087 | 1.786442 | 382.9295 | 88.24650 | .2121792 | .2279500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3483829 | -.000020 | .1750426 | .0041548 | .0009796 | 44.84805 | .3264012 |
| #2 | .3416482 | -.004165 | .1813907 | -.003665 | .0002754 | 44.69052 | .3251536 |
| #3 | .3466332 | .000909  | .1778400 | .002782  | .0023719 | 44.67751 | .3264769 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016535 | -.000035 | 5.359639 | .0701145 | .0050965 | .0528638 | 45.70969 |
| Stddev | .0000257 | .000080  | .037566  | .0009241 | .0001553 | .0008091 | .31281   |
| %RSD   | 1.552572 | 227.0314 | .7008998 | 1.317954 | 3.047319 | 1.530513 | .6843473 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016346 | -.000083 | 5.376358 | .0710679 | .0051643 | .0530879 | 45.65489 |
| #2 | .0016431 | .000057  | 5.316616 | .0700528 | .0049188 | .0535372 | 45.42789 |
| #3 | .0016827 | -.000081 | 5.385943 | .0692228 | .0052064 | .0519662 | 46.04628 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1342904 | 1.839084 | .0284971 | -.006271 | .2088495 | .1130959 | .1270009 |
| Stddev | .0005386 | .027130  | .0002986 | .000082  | .0353261 | .0027583 | .0032805 |
| %RSD   | .4010977 | 1.475167 | 1.047800 | 1.307656 | 16.91460 | 2.438876 | 2.583051 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1342186 | 1.851965 | .0286136 | -.006185 | .2155473 | .1118044 | .1307718 |
| #2 | .1337913 | 1.807913 | .0281578 | -.006280 | .1706541 | .1112203 | .1248035 |
| #3 | .1348614 | 1.857373 | .0287199 | -.006348 | .2403473 | .1162629 | .1254276 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.780633 | 2.246642 | -.056743 | .0022172 | .3076033 | 6.220135 | .0047373 |
| Stddev | .040024  | .040895  | .000237  | .0001391 | .0028015 | .015297  | .0007588 |
| %RSD   | 5.127115 | 1.820260 | .4182293 | 6.273169 | .9107484 | .2459255 | 16.01767 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.781933 | 2.252755 | -.056875 | .0023517 | .3070945 | 6.213601 | .0050202 |
| #2 | -.819991 | 2.203034 | -.056469 | .0020740 | .3050910 | 6.209190 | .0038777 |
| #3 | -.739975 | 2.284135 | -.056884 | .0022260 | .3106243 | 6.237614 | .0053140 |



Sample Name: I6124-09      Acquired: 11/2/2017 21:26:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EA9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3306105 | .0182457 | .0440403 |
| Stddev | .0010151 | .0004113 | .0000697 |
| %RSD   | .3070260 | 2.254466 | .1582440 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3317727 | .0186189 | .0439606 |
| #2 | .3301610 | .0183135 | .0440893 |
| #3 | .3298979 | .0178046 | .0440711 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1369.898 | 2362.014 | 33387.14 | 10394.95 | 3245.135 |
| Stddev    | 7.813    | 24.956   | 76.70    | 28.29    | 11.376   |
| %RSD      | .5703036 | 1.056550 | .2297289 | .2721591 | .3505677 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1362.255 | 2336.042 | 33365.66 | 10385.04 | 3233.490 |
| #2 | 1377.870 | 2364.189 | 33472.29 | 10426.87 | 3245.694 |
| #3 | 1369.568 | 2385.811 | 33323.48 | 10372.95 | 3256.222 |

Sample Name: I6124-10      Acquired: 11/2/2017 21:30:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2400096 | .0006652 | .0485046 | -.000157 | .0014614 | 36.36685 | .2202073 |
| Stddev | .0042739 | .0020900 | .0002279 | .001775  | .0015288 | .06602   | .0004804 |
| %RSD   | 1.780734 | 314.1788 | .4698939 | 1128.729 | 104.6122 | .1815446 | .2181520 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2387734 | .0025209 | .0482614 | .001487  | .0022801 | 36.33547 | .2196580 |
| #2 | .2447653 | .0010735 | .0485394 | .000081  | .0024065 | 36.44271 | .2204148 |
| #3 | .2364900 | -.001599 | .0487132 | -.002039 | -.000302 | 36.32237 | .2205490 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015482 | -.000551 | 4.196559 | .0662392 | .0052190 | .0150260 | 40.78287 |
| Stddev | .0000979 | .000052  | .030222  | .0007664 | .0004173 | .0010018 | .20721   |
| %RSD   | 6.320935 | 9.509310 | .7201631 | 1.156992 | 7.996451 | 6.667383 | .5080871 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015132 | -.000606 | 4.168153 | .0653835 | .0047433 | .0151339 | 40.60504 |
| #2 | .0014726 | -.000547 | 4.193208 | .0664716 | .0055233 | .0139745 | 40.73314 |
| #3 | .0016587 | -.000501 | 4.228317 | .0668625 | .0053905 | .0159695 | 41.01042 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1266440 | 2.387827 | .0258989 | -.005643 | .1785886 | .1011487 | .0813111 |
| Stddev | .0013295 | .028409  | .0003931 | .000608  | .0828644 | .0045981 | .0030637 |
| %RSD   | 1.049803 | 1.189747 | 1.517769 | 10.77332 | 46.39959 | 4.545878 | 3.767831 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1251906 | 2.355071 | .0262316 | -.005590 | .2738118 | .0979364 | .0846656 |
| #2 | .1277990 | 2.405751 | .0254652 | -.005064 | .1390949 | .1064160 | .0786609 |
| #3 | .1269424 | 2.402658 | .0259999 | -.006276 | .1228590 | .0990939 | .0806069 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.840723 | 1.541510 | -.052071 | .0018834 | .2031200 | 1.589795 | -.001209 |
| Stddev | .007062  | .020021  | .000328  | .0000358 | .0026014 | .011214  | .001446  |
| %RSD   | .8399434 | 1.298800 | .6306320 | 1.903713 | 1.280708 | .7053848 | 119.6184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.834574 | 1.538320 | -.051811 | .0018420 | .2054675 | 1.580079 | -.000605 |
| #2 | -.839161 | 1.523275 | -.051963 | .0019029 | .2003233 | 1.602067 | -.002858 |
| #3 | -.848435 | 1.562934 | -.052440 | .0019053 | .2035692 | 1.587241 | -.000162 |

Sample Name: I6124-10      Acquired: 11/2/2017 21:30:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2973557 | .0137762 | .0303245 |
| Stddev | .0021093 | .0003891 | .0001262 |
| %RSD   | .7093634 | 2.824641 | .4162942 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2996936 | .0133277 | .0302552 |
| #2 | .2967785 | .0140243 | .0304702 |
| #3 | .2955951 | .0139765 | .0302481 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1410.617 | 2427.701 | 33791.05 | 10391.80 | 3324.389 |
| Stddev    | 14.086   | 7.226    | 200.79   | 41.09    | 8.965    |
| %RSD      | .9985989 | .2976601 | .5942179 | .3954072 | .2696659 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1424.786 | 2431.393 | 34013.71 | 10420.11 | 3321.351 |
| #2 | 1396.614 | 2432.336 | 33623.73 | 10344.67 | 3334.478 |
| #3 | 1410.450 | 2419.375 | 33735.71 | 10410.62 | 3317.339 |

Sample Name: I6124-11      Acquired: 11/2/2017 21:34:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1775996 | .0002547 | 1.308123 | -.001004 | .0035508 | 34.18355 | .5074187 |
| Stddev | .0029219 | .0003151 | .002005  | .000094  | .0002156 | .04338   | .0006635 |
| %RSD   | 1.645240 | 123.6909 | .1532415 | 9.386747 | 6.070350 | .1269163 | .1307524 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1809206 | -.000035 | 1.309280 | -.000921 | .0037899 | 34.23037 | .5074333 |
| #2 | .1764549 | .000209  | 1.305808 | -.001107 | .0033715 | 34.17559 | .5080748 |
| #3 | .1754233 | .000590  | 1.309280 | -.000985 | .0034910 | 34.14470 | .5067481 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025995 | .0032058 | 17.56706 | .1139114 | .0143928 | .2007801 | 58.68465 |
| Stddev | .0000072 | .0000565 | .06666   | .0003617 | .0001721 | .0028025 | .11565   |
| %RSD   | .2781733 | 1.760907 | .3794591 | .3175457 | 1.195619 | 1.395784 | .1970765 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025918 | .0032367 | 17.54156 | .1134975 | .0142155 | .1991921 | 58.55113 |
| #2 | .0026004 | .0031407 | 17.51691 | .1141667 | .0145592 | .1991322 | 58.75348 |
| #3 | .0026062 | .0032401 | 17.64270 | .1140701 | .0144038 | .2040159 | 58.74934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9084352 | 5.280209 | .0529324 | -.007355 | .4546446 | .1501380 | .7576446 |
| Stddev | .0020402 | .040401  | .0002054 | .000333  | .0346352 | .0029551 | .0057660 |
| %RSD   | .2245782 | .7651330 | .3880274 | 4.529373 | 7.618089 | 1.968242 | .7610426 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9061219 | 5.236065 | .0530329 | -.007576 | .4945414 | .1503722 | .7583173 |
| #2 | .9099774 | 5.289218 | .0530683 | -.006972 | .4371020 | .1470728 | .7515717 |
| #3 | .9092063 | 5.315345 | .0526962 | -.007518 | .4322906 | .1529690 | .7630447 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2887984 | 6.549297 | -.057255 | .0032968 | 2.985843 | 6.520487 | .0243518 |
| Stddev | .0264059 | .055863  | .001418  | .0002004 | .023689  | .034487  | .0018106 |
| %RSD   | 9.143378 | .8529590 | 2.477084 | 6.080168 | .7933645 | .5289079 | 7.435287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2664018 | 6.613708 | -.058192 | .0033312 | 3.009837 | 6.498572 | .0263723 |
| #2 | .3179150 | 6.514070 | -.057949 | .0030814 | 2.962472 | 6.560240 | .0238070 |
| #3 | .2820784 | 6.520114 | -.055623 | .0034779 | 2.985221 | 6.502649 | .0228761 |

Sample Name: I6124-11      Acquired: 11/2/2017 21:34:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7215786 | .0155105 | .1153960 |
| Stddev | .0026943 | .0003292 | .0000754 |
| %RSD   | .3733958 | 2.122119 | .0652927 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7237429 | .0151310 | .1154787 |
| #2 | .7185609 | .0156837 | .1153778 |
| #3 | .7224319 | .0157170 | .1153314 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1442.731 | 2498.023 | 35100.00 | 10782.03 | 3288.254 |
| Stddev    | 3.093    | 5.746    | 92.03    | 20.63    | 5.884    |
| %RSD      | .2143666 | .2300397 | .2621865 | .1913594 | .1789449 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1442.172 | 2494.126 | 35065.16 | 10805.60 | 3285.927 |
| #2 | 1446.065 | 2504.622 | 35204.36 | 10767.25 | 3294.945 |
| #3 | 1439.956 | 2495.319 | 35030.48 | 10773.24 | 3283.889 |

Sample Name: I6124-12      Acquired: 11/2/2017 21:38:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4301009 | .0008257 | 1.383509 | .0000776 | .0020266 | 36.84527 | .3876003 |
| Stddev | .0008853 | .0006455 | .008632  | .0028145 | .0014732 | .12621   | .0008742 |
| %RSD   | .2058362 | 78.17685 | .6238873 | 3627.712 | 72.69271 | .3425514 | .2255301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4300864 | .0005565 | 1.385108 | .0031052 | .0020096 | 36.93457 | .3866392 |
| #2 | .4309934 | .0003584 | 1.374190 | -.000413 | .0035081 | 36.70087 | .3878137 |
| #3 | .4292230 | .0015622 | 1.391230 | -.002459 | .0005620 | 36.90035 | .3883480 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019551 | .0005383 | 7.980972 | .0910610 | .0076739 | .1865966 | 53.63324 |
| Stddev | .0000607 | .0000874 | .045731  | .0010605 | .0001889 | .0017338 | .11054   |
| %RSD   | 3.103168 | 16.23758 | .5730027 | 1.164621 | 2.462093 | .9291755 | .2061045 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019016 | .0005233 | 8.022026 | .0908673 | .0077906 | .1869382 | 53.75611 |
| #2 | .0019426 | .0004593 | 7.931683 | .0901107 | .0074559 | .1847174 | 53.60174 |
| #3 | .0020210 | .0006322 | 7.989206 | .0922050 | .0077750 | .1881342 | 53.54186 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4010627 | 3.354600 | .0326309 | -.007305 | .2508149 | .1284088 | .3589870 |
| Stddev | .0013288 | .008775  | .0002011 | .000245  | .0287585 | .0014316 | .0078017 |
| %RSD   | .3313304 | .2615900 | .6164013 | 3.358675 | 11.46603 | 1.114855 | 2.173251 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3998063 | 3.357462 | .0323987 | -.007023 | .2278233 | .1286251 | .3611719 |
| #2 | .4024537 | 3.361587 | .0327527 | -.007464 | .2415599 | .1297200 | .3503257 |
| #3 | .4009280 | 3.344751 | .0327411 | -.007428 | .2830614 | .1268814 | .3654632 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.630547 | 2.317349 | -.064538 | .0021820 | .5899216 | 3.095096 | .0115777 |
| Stddev | .014719  | .029018  | .000518  | .0003607 | .0065029 | .008118  | .0018137 |
| %RSD   | 2.334335 | 1.252193 | .8028895 | 16.52927 | 1.102339 | .2622828 | 15.66568 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.615330 | 2.328157 | -.064931 | .0025754 | .5890431 | 3.102704 | .0135431 |
| #2 | -.644712 | 2.284478 | -.064733 | .0021037 | .5839025 | 3.096033 | .0099685 |
| #3 | -.631598 | 2.339412 | -.063951 | .0018670 | .5968191 | 3.086550 | .0112214 |

Sample Name: I6124-12      Acquired: 11/2/2017 21:38:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4532560 | .0106177 | .0436230 |
| Stddev | .0040139 | .0003850 | .0000183 |
| %RSD   | .8855805 | 3.626043 | .0419116 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4560887 | .0110300 | .0436420 |
| #2 | .4486626 | .0105556 | .0436214 |
| #3 | .4550168 | .0102675 | .0436056 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1400.416 | 2437.522 | 33997.35 | 10435.83 | 3286.648 |
| Stddev    | 6.852    | 4.828    | 35.84    | 76.79    | 9.741    |
| %RSD      | .4892884 | .1980743 | .1054146 | .7358407 | .2963768 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1400.120 | 2434.622 | 34038.53 | 10347.17 | 3280.344 |
| #2 | 1393.718 | 2443.096 | 33973.21 | 10478.70 | 3297.867 |
| #3 | 1407.412 | 2434.849 | 33980.32 | 10481.61 | 3281.733 |

Sample Name: I6124-13      Acquired: 11/2/2017 21:42:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.298368 | .0015457 | 1.824018 | -.000336 | .0038586 | 40.30112 | .3239479 |
| Stddev | .008097  | .0013313 | .008881  | .001411  | .0004520 | .12301   | .0010434 |
| %RSD   | .6236010 | 86.13119 | .4869142 | 420.0144 | 11.71404 | .3052163 | .3221024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.295586 | .0007761 | 1.815690 | -.001930 | .0043140 | 40.29114 | .3241338 |
| #2 | 1.292029 | .0007780 | 1.823000 | .000166  | .0038518 | 40.18341 | .3248858 |
| #3 | 1.307489 | .0030829 | 1.833365 | .000755  | .0034101 | 40.42881 | .3228240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019055 | -.000281 | 4.926094 | .0956428 | .0074247 | .3187346 | 55.72314 |
| Stddev | .0000318 | .000070  | .003123  | .0008365 | .0001706 | .0011046 | .11766   |
| %RSD   | 1.671157 | 24.87418 | .0633983 | .8745674 | 2.297726 | .3465450 | .2111472 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018965 | -.000334 | 4.929591 | .0965586 | .0075444 | .3184925 | 55.82125 |
| #2 | .0019409 | -.000202 | 4.925106 | .0949191 | .0072293 | .3177712 | 55.75548 |
| #3 | .0018791 | -.000307 | 4.923584 | .0954507 | .0075003 | .3199402 | 55.59270 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2362026 | 1.837902 | .0295996 | -.007547 | .2629597 | .1328181 | .2351663 |
| Stddev | .0007428 | .016392  | .0003855 | .000226  | .0453113 | .0025864 | .0025954 |
| %RSD   | .3144800 | .8918862 | 1.302491 | 2.993739 | 17.23127 | 1.947332 | 1.103624 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2358824 | 1.856163 | .0294586 | -.007314 | .3105546 | .1301387 | .2369635 |
| #2 | .2370518 | 1.824458 | .0293044 | -.007765 | .2203431 | .1353002 | .2321908 |
| #3 | .2356736 | 1.833085 | .0300358 | -.007563 | .2579815 | .1330155 | .2363446 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.711953 | 1.626465 | -.069093 | .0034585 | .3969446 | 1.609608 | .0068490 |
| Stddev | .016338  | .020350  | .000491  | .0003408 | .0066450 | .005875  | .0014686 |
| %RSD   | 2.294778 | 1.251184 | .7103381 | 9.854968 | 1.674029 | .3649753 | 21.44188 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.720605 | 1.604904 | -.069130 | .0033755 | .3902920 | 1.616382 | .0062588 |
| #2 | -.722144 | 1.629156 | -.069564 | .0038331 | .3969598 | 1.605909 | .0085209 |
| #3 | -.693108 | 1.645336 | -.068585 | .0031668 | .4035819 | 1.606532 | .0057674 |



Sample Name: I6124-13      Acquired: 11/2/2017 21:42:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EC2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3834418 | .0115209 | .0398210 |
| Stddev | .0016611 | .0000984 | .0001590 |
| %RSD   | .4331984 | .8538183 | .3993279 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3829453 | .0114771 | .0397067 |
| #2 | .3820856 | .0114519 | .0397538 |
| #3 | .3852945 | .0116335 | .0400026 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1409.290 | 2421.961 | 34155.55 | 10570.63 | 3272.830 |
| Stddev    | 1.148    | 5.105    | 92.57    | 44.75    | 7.557    |
| %RSD      | .0814271 | .2107709 | .2710326 | .4233010 | .2308960 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1407.999 | 2422.178 | 34125.59 | 10525.26 | 3276.667 |
| #2 | 1410.194 | 2426.954 | 34081.66 | 10571.92 | 3277.699 |
| #3 | 1409.677 | 2416.751 | 34259.39 | 10614.72 | 3264.125 |

Sample Name: I6124-14      Acquired: 11/2/2017 21:46:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9554849 | .0013717 | .9833504 | -.001648 | .0006440 | 37.42057 | .2419035 |
| Stddev | .0026253 | .0013418 | .0017279 | .001033  | .0009264 | .18357   | .0020477 |
| %RSD   | .2747656 | 97.81893 | .1757151 | 62.67441 | 143.8506 | .4905487 | .8464766 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9537888 | .0021457 | .9817274 | -.000639 | .0009957 | 37.30461 | .2407141 |
| #2 | .9541571 | .0021471 | .9851669 | -.001603 | -.000407 | 37.32489 | .2407285 |
| #3 | .9585090 | -.000178 | .9831568 | -.002704 | .001343  | 37.63221 | .2442679 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019056 | -.000453 | 3.350269 | .0729984 | .0063764 | .1801781 | 54.80201 |
| Stddev | .0000406 | .000064  | .017267  | .0004903 | .0001190 | .0018642 | .51406   |
| %RSD   | 2.130142 | 14.24180 | .5153854 | .6716350 | 1.865660 | 1.034668 | .9380276 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018736 | -.000379 | 3.358032 | .0731528 | .0065041 | .1802315 | 54.45569 |
| #2 | .0018921 | -.000500 | 3.330484 | .0733929 | .0062687 | .1782876 | 54.55768 |
| #3 | .0019513 | -.000479 | 3.362292 | .0724495 | .0063564 | .1820150 | 55.39267 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1590514 | 1.400777 | .0233703 | -.007315 | .2107771 | .1343953 | .1211758 |
| Stddev | .0012989 | .005240  | .0004290 | .000169  | .0658528 | .0015535 | .0064304 |
| %RSD   | .8166230 | .3740769 | 1.835811 | 2.310457 | 31.24287 | 1.155907 | 5.306683 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1579172 | 1.397278 | .0231577 | -.007487 | .1588552 | .1326536 | .1157978 |
| #2 | .1587688 | 1.406801 | .0230891 | -.007310 | .1886270 | .1348946 | .1282985 |
| #3 | .1604683 | 1.398250 | .0238641 | -.007149 | .2848492 | .1356377 | .1194310 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.890019 | 1.204548 | -.069304 | .0021510 | .6011890 | 6.634755 | .0054575 |
| Stddev | .027859  | .009790  | .000766  | .0002756 | .0038096 | .025228  | .0001110 |
| %RSD   | 3.130198 | .8127759 | 1.104683 | 12.81084 | .6336830 | .3802472 | 2.033610 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.922125 | 1.203257 | -.068586 | .0018858 | .6016597 | 6.605624 | .0053344 |
| #2 | -.875716 | 1.195467 | -.070109 | .0024358 | .5971659 | 6.649483 | .0055499 |
| #3 | -.872216 | 1.214919 | -.069218 | .0021313 | .6047414 | 6.649158 | .0054882 |

Sample Name: I6124-14      Acquired: 11/2/2017 21:46:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4418600 | .0084325 | .0313021 |
| Stddev | .0023830 | .0003571 | .0002424 |
| %RSD   | .5392998 | 4.234720 | .7744095 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4407448 | .0080320 | .0311119 |
| #2 | .4402391 | .0085478 | .0312193 |
| #3 | .4445960 | .0087177 | .0315750 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1422.080 | 2433.030 | 34378.78 | 10614.42 | 3293.497 |
| Stddev    | 11.144   | 1.076    | 268.62   | 41.15    | 5.534    |
| %RSD      | .7836218 | .0442051 | .7813554 | .3876367 | .1680161 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1410.903 | 2434.062 | 34080.46 | 10637.39 | 3287.978 |
| #2 | 1422.147 | 2433.112 | 34454.38 | 10638.96 | 3299.045 |
| #3 | 1433.190 | 2431.916 | 34601.49 | 10566.92 | 3293.468 |

Sample Name: I6124-15      Acquired: 11/2/2017 21:50:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.066439 | .0006985 | 3.443705 | .0027287 | .0037240 | 46.96827 | .3336549 |
| Stddev | .007260  | .0022393 | .002828  | .0034621 | .0005858 | .09885   | .0011624 |
| %RSD   | .1785223 | 320.6062 | .0821082 | 126.8777 | 15.73090 | .2104562 | .3483860 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.064594 | -.000267 | 3.446301 | .0037150 | .0030628 | 47.01868 | .3349946 |
| #2 | 4.060280 | -.000896 | 3.440692 | -.001120 | .0041783 | 47.03175 | .3329146 |
| #3 | 4.074443 | .003259  | 3.444120 | .005591  | .0039310 | 46.85438 | .3330553 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020051 | -.000135 | 8.798271 | .0861332 | .0075803 | .7957457 | 48.30110 |
| Stddev | .0001380 | .000092  | .017545  | .0009701 | .0002228 | .0025306 | .12481   |
| %RSD   | 6.881224 | 68.37962 | .1994173 | 1.126307 | 2.938754 | .3180186 | .2583951 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018837 | -.000160 | 8.812167 | .0856336 | .0073230 | .7981997 | 48.38912 |
| #2 | .0021552 | -.000033 | 8.804091 | .0872513 | .0077097 | .7931449 | 48.35592 |
| #3 | .0019764 | -.000212 | 8.778555 | .0855146 | .0077080 | .7958924 | 48.15827 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2513981 | 1.548521 | .0317564 | -.006024 | .2853332 | .1308099 | .3680903 |
| Stddev | .0005082 | .013915  | .0004065 | .000159  | .0746194 | .0017005 | .0016360 |
| %RSD   | .2021328 | .8986025 | 1.280119 | 2.635156 | 26.15168 | 1.299957 | .4444523 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2514149 | 1.537055 | .0321764 | -.006099 | .2014891 | .1319651 | .3680775 |
| #2 | .2518976 | 1.564002 | .0317281 | -.006131 | .3444506 | .1316072 | .3697326 |
| #3 | .2508817 | 1.544505 | .0313648 | -.005842 | .3100600 | .1288572 | .3664607 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.323292 | 2.404711 | -.059550 | .0024826 | 1.091365 | 2.626619 | .0115215 |
| Stddev | .009502  | .015896  | .000845  | .0003047 | .004771  | .018649  | .0006772 |
| %RSD   | 2.939040 | .6610291 | 1.418144 | 12.27318 | .4371637 | .7099893 | 5.877612 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.332507 | 2.386404 | -.060140 | .0021768 | 1.091949 | 2.608331 | .0123032 |
| #2 | -.323841 | 2.412720 | -.059928 | .0024848 | 1.086329 | 2.645609 | .0111478 |
| #3 | -.313528 | 2.415009 | -.058583 | .0027862 | 1.095817 | 2.625916 | .0111135 |

Sample Name: I6124-15      Acquired: 11/2/2017 21:50:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2958757 | .0162833 | .0693052 |
| Stddev | .0025681 | .0005219 | .0001835 |
| %RSD   | .8679765 | 3.205157 | .2648417 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2947984 | .0168638 | .0694295 |
| #2 | .2988070 | .0158528 | .0690943 |
| #3 | .2940216 | .0161333 | .0693917 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1432.886 | 2442.868 | 34994.09 | 10749.46 | 3274.957 |
| Stddev    | 5.764    | 7.037    | 126.59   | 30.58    | 1.370    |
| %RSD      | .4022503 | .2880470 | .3617562 | .2845241 | .0418310 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1433.961 | 2434.829 | 34949.05 | 10760.51 | 3274.600 |
| #2 | 1426.660 | 2445.865 | 34896.18 | 10714.88 | 3273.801 |
| #3 | 1438.036 | 2447.910 | 35137.05 | 10772.98 | 3276.470 |

Sample Name: I6124-16      Acquired: 11/2/2017 21:54:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.252219 | .0042118 | .0858238 | -.001507 | .0028221 | 43.63966 | .1265678 |
| Stddev | .007064  | .0009692 | .0003195 | .002066  | .0011762 | .09021   | .0007030 |
| %RSD   | .5641070 | 23.01036 | .3722228 | 137.1216 | 41.67753 | .2067145 | .5554440 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.256221 | .0032226 | .0861922 | .000224  | .0016799 | 43.74352 | .1267340 |
| #2 | 1.244063 | .0051596 | .0856572 | -.000951 | .0040295 | 43.59460 | .1257966 |
| #3 | 1.256373 | .0042532 | .0856221 | -.003794 | .0027569 | 43.58086 | .1271728 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013384 | -.001004 | 1.824426 | .1466371 | .0039892 | .0363693 | 46.72037 |
| Stddev | .0000663 | .000091  | .008967  | .0003460 | .0000735 | .0005757 | .16974   |
| %RSD   | 4.953249 | 9.095090 | .4915141 | .2359618 | 1.841634 | 1.582990 | .3633095 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013112 | -.001102 | 1.814735 | .1464325 | .0039485 | .0359673 | 46.67991 |
| #2 | .0012900 | -.000921 | 1.832431 | .1470366 | .0039452 | .0361118 | 46.57451 |
| #3 | .0014140 | -.000989 | 1.826112 | .1464422 | .0040740 | .0370289 | 46.90668 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0557563 | 1.457077 | .0208033 | -.006621 | .2372832 | .2716281 | .0037241 |
| Stddev | .0002744 | .012888  | .0001297 | .000030  | .0200993 | .0025060 | .0041761 |
| %RSD   | .4921873 | .8844949 | .6235621 | .4591857 | 8.470595 | .9225759 | 112.1377 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0555411 | 1.464647 | .0207032 | -.006629 | .2512355 | .2740744 | .0027729 |
| #2 | .0556624 | 1.442196 | .0207567 | -.006646 | .2142453 | .2717434 | .0001056 |
| #3 | .0560653 | 1.464387 | .0209498 | -.006587 | .2463689 | .2690665 | .0082936 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.300226 | .4853724 | -.060039 | .0156346 | .5013164 | 2.477647 | .0017528 |
| Stddev | .021990  | .0057887 | .001059  | .0001205 | .0030261 | .005256  | .0022427 |
| %RSD   | 7.324590 | 1.192641 | 1.764523 | .7703993 | .6036333 | .2121492 | 127.9478 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.315488 | .4804735 | -.059344 | .0156741 | .4979625 | 2.473118 | .0000532 |
| #2 | -.310170 | .4838835 | -.059516 | .0157304 | .5021444 | 2.483411 | .0042947 |
| #3 | -.275020 | .4917602 | -.061259 | .0154994 | .5038423 | 2.476413 | .0009106 |

Sample Name: I6124-16      Acquired: 11/2/2017 21:54:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EC5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2463414 | .0074280 | .0149860 |
| Stddev | .0013755 | .0003246 | .0000296 |
| %RSD   | .5583502 | 4.370042 | .1973492 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2479249 | .0073361 | .0150184 |
| #2 | .2456561 | .0077886 | .0149605 |
| #3 | .2454433 | .0071592 | .0149791 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1451.359 | 2470.110 | 34768.59 | 10689.27 | 3301.737 |
| Stddev    | 7.988    | 8.034    | 118.01   | 27.39    | 9.403    |
| %RSD      | .5503701 | .3252323 | .3394129 | .2562436 | .2847872 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1442.359 | 2469.456 | 34716.37 | 10716.22 | 3304.319 |
| #2 | 1457.609 | 2478.451 | 34685.71 | 10690.12 | 3309.579 |
| #3 | 1454.109 | 2462.424 | 34903.70 | 10661.46 | 3291.313 |

Sample Name: I6124-20      Acquired: 11/2/2017 21:58:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2393393 | -.000916 | 1.687256 | -.000494 | .0012531 | 30.40529 | .3742316 |
| Stddev | .0023650 | .001141  | .008783  | .001861  | .0005756 | .09423   | .0002387 |
| %RSD   | .9881413 | 124.6394 | .5205403 | 376.8025 | 45.93471 | .3099015 | .0637958 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2379022 | -.002171 | 1.679724 | .000282  | .0015342 | 30.51355 | .3742370 |
| #2 | .2380467 | -.000636 | 1.685140 | .000854  | .0005910 | 30.36059 | .3744676 |
| #3 | .2420689 | .000060  | 1.696903 | -.002618 | .0016342 | 30.34173 | .3739902 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018601 | .0018770 | 8.472499 | .1159843 | .0087971 | .1763798 | 45.19703 |
| Stddev | .0001041 | .0001243 | .042559  | .0004281 | .0000551 | .0008088 | .29724   |
| %RSD   | 5.595045 | 6.623903 | .5023200 | .3690550 | .6260874 | .4585286 | .6576474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017891 | .0020116 | 8.427525 | .1163699 | .0088456 | .1770665 | 44.92816 |
| #2 | .0018115 | .0017664 | 8.512141 | .1155237 | .0088086 | .1765846 | 45.51621 |
| #3 | .0019795 | .0018531 | 8.477832 | .1160594 | .0087372 | .1754883 | 45.14671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4044694 | 2.107276 | .0350370 | -.005154 | .2822398 | .1288466 | .5394131 |
| Stddev | .0038222 | .031255  | .0003080 | .000099  | .0191978 | .0016674 | .0038331 |
| %RSD   | .9449865 | 1.483188 | .8790438 | 1.917127 | 6.801957 | 1.294084 | .7105971 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4017521 | 2.080714 | .0346983 | -.005193 | .2644553 | .1273415 | .5419035 |
| #2 | .4088399 | 2.099397 | .0351124 | -.005041 | .3025924 | .1285594 | .5413366 |
| #3 | .4028160 | 2.141716 | .0353002 | -.005227 | .2796717 | .1306390 | .5349991 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.767924 | 4.721634 | -.054870 | .0022925 | 1.397529 | 4.368155 | .0282012 |
| Stddev | .022426  | .035472  | .000401  | .0002520 | .004366  | .017540  | .0035865 |
| %RSD   | 2.920406 | .7512728 | .7309757 | 10.99033 | .3124082 | .4015341 | 12.71753 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.793287 | 4.687436 | -.055052 | .0025642 | 1.394678 | 4.349915 | .0323226 |
| #2 | -.750718 | 4.719209 | -.055149 | .0020665 | 1.395353 | 4.369651 | .0257886 |
| #3 | -.759765 | 4.758256 | -.054411 | .0022466 | 1.402555 | 4.384899 | .0264925 |



Sample Name: I6124-20      Acquired: 11/2/2017 21:58:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4175759 | .0097230 | .0671304 |
| Stddev | .0017528 | .0003073 | .0000932 |
| %RSD   | .4197462 | 3.160738 | .1387758 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4156284 | .0097601 | .0672058 |
| #2 | .4180724 | .0100101 | .0671593 |
| #3 | .4190268 | .0093989 | .0670263 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1448.646 | 2462.574 | 35276.07 | 10740.41 | 3329.018 |
| Stddev    | 8.685    | 33.152   | 65.98    | 15.46    | 34.355   |
| %RSD      | .5995095 | 1.346223 | .1870510 | .1439274 | 1.032000 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1447.005 | 2483.459 | 35251.96 | 10758.04 | 3349.882 |
| #2 | 1440.899 | 2479.915 | 35350.72 | 10729.21 | 3347.807 |
| #3 | 1458.034 | 2424.349 | 35225.54 | 10733.96 | 3289.366 |

Sample Name: I6124-21      Acquired: 11/2/2017 22:03:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2726502 | .0004509 | .9474940 | .0010240 | .0022495 | 41.01211 | .2851118 |
| Stddev | .0065235 | .0015780 | .0117599 | .0002257 | .0002607 | .05628   | .0009782 |
| %RSD   | 2.392612 | 349.9815 | 1.241161 | 22.03752 | 11.59136 | .1372230 | .3430826 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2724217 | .0022710 | .9417941 | .0012611 | .0025341 | 40.96032 | .2839828 |
| #2 | .2662440 | -.000385 | .9396701 | .0008119 | .0021921 | 41.07200 | .2856475 |
| #3 | .2792850 | -.000534 | .9610177 | .0009991 | .0020222 | 41.00400 | .2857051 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017979 | .0004044 | 4.104983 | .1688900 | .0075301 | .1529714 | 53.16744 |
| Stddev | .0000498 | .0001128 | .016551  | .0019293 | .0001307 | .0015371 | .16177   |
| %RSD   | 2.770840 | 27.89908 | .4031977 | 1.142359 | 1.735504 | 1.004815 | .3042585 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018515 | .0003768 | 4.089789 | .1667165 | .0076810 | .1522138 | 53.08874 |
| #2 | .0017530 | .0003079 | 4.102540 | .1695533 | .0074530 | .1519602 | 53.06008 |
| #3 | .0017893 | .0005284 | 4.122620 | .1704002 | .0074563 | .1547402 | 53.35349 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3749445 | 1.630924 | .0307616 | -.005660 | .2548793 | .1366085 | .3913662 |
| Stddev | .0007286 | .009950  | .0003890 | .000120  | .0427244 | .0002470 | .0035074 |
| %RSD   | .1943230 | .6100888 | 1.264471 | 2.126971 | 16.76260 | .1808019 | .8961886 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3748921 | 1.619519 | .0305390 | -.005723 | .2111925 | .1368575 | .3907491 |
| #2 | .3742435 | 1.635425 | .0305350 | -.005736 | .2568741 | .1366045 | .3882084 |
| #3 | .3756979 | 1.637829 | .0312107 | -.005521 | .2965715 | .1363635 | .3951412 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.695811 | 2.919454 | -.065734 | .0027911 | .4901965 | 7.318881 | .0295292 |
| Stddev | .011032  | .031426  | .000849  | .0001762 | .0074979 | .040527  | .0035909 |
| %RSD   | 1.585453 | 1.076419 | 1.291699 | 6.311838 | 1.529562 | .5537279 | 12.16057 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.706145 | 2.900500 | -.065820 | .0025902 | .4902741 | 7.302334 | .0330756 |
| #2 | -.697094 | 2.902134 | -.064845 | .0028636 | .4826602 | 7.289245 | .0258954 |
| #3 | -.684193 | 2.955729 | -.066537 | .0029194 | .4976553 | 7.365063 | .0296167 |

Sample Name: I6124-21      Acquired: 11/2/2017 22:03:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4926748 | .0136499 | .0382632 |
| Stddev | .0002119 | .0006825 | .0000733 |
| %RSD   | .0430036 | 5.000108 | .1916731 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4928367 | .0136946 | .0381819 |
| #2 | .4927527 | .0143089 | .0382831 |
| #3 | .4924350 | .0129461 | .0383245 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1403.515 | 2426.233 | 34270.38 | 10507.31 | 3284.888 |
| Stddev    | 9.827    | 12.881   | 182.28   | 66.86    | 19.879   |
| %RSD      | .7001894 | .5309135 | .5318772 | .6362986 | .6051757 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1413.968 | 2414.503 | 34478.29 | 10510.88 | 3277.462 |
| #2 | 1394.463 | 2440.019 | 34194.78 | 10572.31 | 3307.411 |
| #3 | 1402.114 | 2424.178 | 34138.06 | 10438.73 | 3269.791 |

Sample Name: I6124-22      Acquired: 11/2/2017 22:07:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2466892 | -.000023 | .8972078 | -.002123 | .0022206 | 56.08709 | .3059832 |
| Stddev | .0037023 | .002195  | .0010356 | .003845  | .0012736 | .11028   | .0007223 |
| %RSD   | 1.500808 | 9701.830 | .1154289 | 181.1274 | 57.35360 | .1966202 | .2360646 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2438628 | .002388  | .8980357 | -.006504 | .0036817 | 56.01377 | .3052230 |
| #2 | .2453248 | -.000549 | .8960466 | -.000558 | .0013445 | 56.03359 | .3060659 |
| #3 | .2508802 | -.001907 | .8975413 | .000693  | .0016357 | 56.21391 | .3066605 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023364 | .0033223 | 4.309177 | .1260110 | .0073477 | .1491139 | 74.59931 |
| Stddev | .0000513 | .0000954 | .010692  | .0009995 | .0001046 | .0015166 | .13346   |
| %RSD   | 2.193806 | 2.872435 | .2481120 | .7931779 | 1.423280 | 1.017075 | .1789058 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023854 | .0032276 | 4.313270 | .1263843 | .0073656 | .1475177 | 74.44897 |
| #2 | .0022831 | .0033209 | 4.297044 | .1267701 | .0074422 | .1492883 | 74.70382 |
| #3 | .0023407 | .0034185 | 4.317218 | .1248786 | .0072353 | .1505358 | 74.64513 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2123801 | 1.546062 | .0267114 | -.009111 | .2226457 | .1830872 | 4.400612 |
| Stddev | .0006463 | .009217  | .0002763 | .000440  | .0366719 | .0003661 | .024193  |
| %RSD   | .3043311 | .5961308 | 1.034190 | 4.830530 | 16.47097 | .1999643 | .5497757 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2117003 | 1.544072 | .0267361 | -.009617 | .1803015 | .1834695 | 4.426169 |
| #2 | .2124534 | 1.556111 | .0269745 | -.008891 | .2440555 | .1830523 | 4.378063 |
| #3 | .2129867 | 1.538003 | .0264237 | -.008824 | .2435800 | .1827398 | 4.397603 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.583037 | 3.066901 | -.091737 | .0023575 | .4518719 | 7.956289 | .0319064 |
| Stddev | .025903  | .060498  | .001721  | .0000689 | .0061897 | .020855  | .0003406 |
| %RSD   | 4.442792 | 1.972626 | 1.875801 | 2.924074 | 1.369785 | .2621240 | 1.067337 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.573236 | 2.997384 | -.093587 | .0023069 | .4493492 | 7.977542 | .0319885 |
| #2 | -.563465 | 3.107626 | -.090184 | .0023296 | .4589245 | 7.935856 | .0315324 |
| #3 | -.612411 | 3.095693 | -.091439 | .0024360 | .4473419 | 7.955469 | .0321985 |

Sample Name: I6124-22      Acquired: 11/2/2017 22:07:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EC9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5653039 | .0171973 | .0388731 |
| Stddev | .0016808 | .0000731 | .0002080 |
| %RSD   | .2973333 | .4250086 | .5351030 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5646582 | .0172646 | .0386403 |
| #2 | .5640417 | .0171195 | .0390407 |
| #3 | .5672119 | .0172077 | .0389383 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1433.493 | 2438.385 | 34551.64 | 10704.37 | 3244.602 |
| Stddev    | 5.670    | 8.068    | 91.44    | 15.02    | 1.803    |
| %RSD      | .3955382 | .3308873 | .2646539 | .1403461 | .0555561 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1427.148 | 2440.129 | 34446.06 | 10687.60 | 3245.781 |
| #2 | 1438.062 | 2445.438 | 34603.10 | 10716.60 | 3245.499 |
| #3 | 1435.270 | 2429.587 | 34605.76 | 10708.91 | 3242.527 |

Sample Name: I6125-01      Acquired: 11/2/2017 22:11:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5132210 | .0001786 | 2.204998 | -.003446 | .0031012 | 49.77276 | .4181522 |
| Stddev | .0076454 | .0013220 | .008391  | .001483  | .0005379 | .36759   | .0033821 |
| %RSD   | 1.489683 | 740.1484 | .3805609 | 43.04033 | 17.34469 | .7385374 | .8088308 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5219473 | .0015868 | 2.203603 | -.001861 | .0026546 | 50.01124 | .4190095 |
| #2 | .5100156 | -.000015 | 2.197391 | -.004800 | .0029507 | 49.34944 | .4144238 |
| #3 | .5077001 | -.001036 | 2.213999 | -.003676 | .0036984 | 49.95761 | .4210231 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024905 | .0004521 | 6.066458 | .1322854 | .0150016 | .3054104 | 66.81663 |
| Stddev | .0000696 | .0000324 | .072405  | .0002671 | .0001560 | .0042632 | .62427   |
| %RSD   | 2.792780 | 7.159023 | 1.193538 | .2018899 | 1.040130 | 1.395907 | .9343073 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024882 | .0004566 | 6.119555 | .1320622 | .0151817 | .3094986 | 67.08057 |
| #2 | .0025612 | .0004177 | 5.983980 | .1322126 | .0149151 | .3009914 | 66.10374 |
| #3 | .0024222 | .0004820 | 6.095838 | .1325813 | .0149079 | .3057412 | 67.26558 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5958744 | 1.910073 | .0533504 | -.006933 | .3584935 | .1704624 | .7146617 |
| Stddev | .0068142 | .029745  | .0005716 | .000052  | .0535059 | .0013188 | .0080255 |
| %RSD   | 1.143556 | 1.557286 | 1.071385 | .7542554 | 14.92520 | .7736362 | 1.122982 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5996891 | 1.915264 | .0527871 | -.006882 | .4151844 | .1716395 | .7138428 |
| #2 | .5880072 | 1.878074 | .0533342 | -.006929 | .3088764 | .1690372 | .7070770 |
| #3 | .5999267 | 1.936882 | .0539299 | -.006987 | .3514196 | .1707106 | .7230653 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.758712 | 3.665304 | -.081415 | .0028573 | .5926048 | 7.808630 | .0328975 |
| Stddev | .014873  | .025651  | .000876  | .0001215 | .0035648 | .054501  | .0010135 |
| %RSD   | 1.960237 | .6998335 | 1.075404 | 4.252866 | .6015480 | .6979558 | 3.080855 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.770025 | 3.636916 | -.082285 | .0029355 | .5895267 | 7.798917 | .0323521 |
| #2 | -.764244 | 3.686817 | -.081426 | .0027173 | .5917770 | 7.759638 | .0322734 |
| #3 | -.741866 | 3.672179 | -.080534 | .0029191 | .5965107 | 7.867334 | .0340669 |

Sample Name: I6125-01      Acquired: 11/2/2017 22:11:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6024557 | .0228970 | .0579531 |
| Stddev | .0040983 | .0000911 | .0001879 |
| %RSD   | .6802699 | .3979286 | .3241449 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6051018 | .0229223 | .0581129 |
| #2 | .5977348 | .0227959 | .0577462 |
| #3 | .6045303 | .0229728 | .0580003 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1415.701 | 2442.625 | 34664.64 | 10817.99 | 3246.395 |
| Stddev    | 8.365    | 6.579    | 116.27   | 107.33   | 3.765    |
| %RSD      | .5908695 | .2693589 | .3354068 | .9921889 | .1159648 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1410.405 | 2435.113 | 34595.51 | 10734.53 | 3247.134 |
| #2 | 1425.344 | 2447.360 | 34798.88 | 10939.07 | 3249.736 |
| #3 | 1411.353 | 2445.403 | 34599.54 | 10780.37 | 3242.316 |

Sample Name: I6125-02      Acquired: 11/2/2017 22:15:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2133198 | -.000276 | .9201353 | .0001464 | .0032537 | 39.89210 | .3253639 |
| Stddev | .0019715 | .001701  | .0047063 | .0021039 | .0004070 | .45724   | .0033267 |
| %RSD   | .9241874 | 616.7248 | .5114830 | 1437.300 | 12.50881 | 1.146203 | 1.022443 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2143838 | -.002130 | .9218093 | -.002263 | .0037220 | 40.33003 | .3290153 |
| #2 | .2145307 | .000090  | .9237757 | .001623  | .0030533 | 39.92855 | .3245713 |
| #3 | .2110449 | .001212  | .9148208 | .001079  | .0029857 | 39.41772 | .3225051 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020018 | -.000159 | 2.624337 | .0986458 | .0069589 | .2001808 | 59.52877 |
| Stddev | .0000476 | .000116  | .031714  | .0001888 | .0002400 | .0045232 | .44724   |
| %RSD   | 2.378779 | 72.70598 | 1.208444 | .1914213 | 3.449439 | 2.259561 | .7513050 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020311 | -.000264 | 2.647061 | .0985548 | .0066829 | .2053331 | 60.03376 |
| #2 | .0019469 | -.000180 | 2.637844 | .0985197 | .0071189 | .1983459 | 59.36989 |
| #3 | .0020275 | -.000035 | 2.588106 | .0988629 | .0070749 | .1968633 | 59.18265 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1044694 | 1.079913 | .0276108 | -.007399 | .2490044 | .1495374 | .3357737 |
| Stddev | .0006472 | .006976  | .0004060 | .000660  | .0672832 | .0022799 | .0025428 |
| %RSD   | .6194704 | .6459781 | 1.470352 | 8.916615 | 27.02090 | 1.524628 | .7573001 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1051877 | 1.077557 | .0280789 | -.008084 | .3266942 | .1517773 | .3383770 |
| #2 | .1039318 | 1.074420 | .0273549 | -.006768 | .2096480 | .1496155 | .3356482 |
| #3 | .1042888 | 1.087762 | .0273986 | -.007347 | .2106712 | .1472195 | .3332960 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.563264 | 5.076951 | -.072869 | .0049465 | .4967643 | 7.323919 | .0754192 |
| Stddev | .022762  | .022086  | .000535  | .0002324 | .0061214 | .019356  | .0029555 |
| %RSD   | 4.041165 | .4350174 | .7335595 | 4.698847 | 1.232264 | .2642857 | 3.918802 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.573608 | 5.075243 | -.072496 | .0046827 | .5029428 | 7.341666 | .0780917 |
| #2 | -.537166 | 5.099842 | -.072630 | .0051211 | .4966487 | 7.326811 | .0722449 |
| #3 | -.579016 | 5.055769 | -.073482 | .0050358 | .4907015 | 7.303279 | .0759209 |



Sample Name: I6125-02      Acquired: 11/2/2017 22:15:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6877163 | .0203567 | .0410150 |
| Stddev | .0094375 | .0006830 | .0004792 |
| %RSD   | 1.372302 | 3.354971 | 1.168322 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6978490 | .0207553 | .0414634 |
| #2 | .6861231 | .0207467 | .0410715 |
| #3 | .6791768 | .0195681 | .0405101 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.132 | 2425.650 | 34344.00 | 10593.68 | 3276.893 |
| Stddev    | 10.239   | 22.768   | 177.09   | 51.70    | 31.059   |
| %RSD      | .7194685 | .9386290 | .5156459 | .4880505 | .9478055 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1411.451 | 2410.320 | 34142.17 | 10550.10 | 3255.340 |
| #2 | 1427.389 | 2414.819 | 34473.41 | 10580.14 | 3262.845 |
| #3 | 1430.556 | 2451.812 | 34416.41 | 10650.81 | 3312.494 |

Sample Name: CCV032      Acquired: 11/2/2017 22:19:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV032      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.925335 | 4.759653 | 24.79145 | 4.763522 | 4.834204 | F 288.9041 |
| Stddev | .029173  | .044380  | .14307   | .034660  | .026718  | 4.1229     |
| %RSD   | .5922971 | .9324225 | .5771127 | .7276180 | .5526948 | 1.427086   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.903902 | 4.708503 | 24.64634 | 4.729160 | 4.817163 | 293.3162 |
| #2 | 4.913546 | 4.782522 | 24.79561 | 4.762934 | 4.820452 | 285.1493 |
| #3 | 4.958557 | 4.787935 | 24.93240 | 4.798473 | 4.864997 | 288.2469 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.719448 | .4946095 | 2.457481 | F 322.0305 | 14.95956 | 2.458963 |
| Stddev | .200273  | .0019368 | .016398  | 3.8349     | .06225   | .009935  |
| %RSD   | 2.060538 | .3915715 | .6672686 | 1.190853   | .4161359 | .4040476 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.915353 | .4955637 | 2.439725 | 326.3328 | 14.89356 | 2.449037 |
| #2 | 9.727915 | .4923808 | 2.460662 | 318.9716 | 15.01723 | 2.458945 |
| #3 | 9.515076 | .4958840 | 2.472055 | 320.7869 | 14.96789 | 2.468907 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.96559 | F 307.5076 | 14.84313 | F 321.0414 | 2.442143 | 1.259156 |
| Stddev | .12335   | 3.3701     | .17705   | 3.8118     | .012560  | .001559  |
| %RSD   | .8242288 | 1.095941   | 1.192802 | 1.187322   | .5143113 | .1237740 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.10549 | 311.3395 | 15.04065 | 325.3632 | 2.431362 | 1.258558 |
| #2 | 14.91879 | 305.0044 | 14.69869 | 318.1586 | 2.439132 | 1.257985 |
| #3 | 14.87249 | 306.1788 | 14.79005 | 319.6025 | 2.455935 | 1.260925 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 287.4704 | 2.451778 | 15.51110 | 148.9176 | 5.109496 | 4.605112 |
| Stddev | 2.4620     | .026950  | .11956   | 1.1645   | .081823  | .027482  |
| %RSD   | .8564286   | 1.099194 | .7707807 | .7820053 | 1.601385 | .5967728 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 290.2657 | 2.480433 | 15.62807 | 150.2311 | 5.015036 | 4.632877 |
| #2 | 286.5211 | 2.447960 | 15.51610 | 148.5100 | 5.158440 | 4.577922 |
| #3 | 285.6244 | 2.426940 | 15.38912 | 148.0116 | 5.155011 | 4.604539 |

Sample Name: CCV032      Acquired: 11/2/2017 22:19:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV032      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.718581 | 5.023781 | 4.884358 | 4.678855 | 5.011482 | 4.950005 |
| Stddev | .031902  | .057238  | .027827  | .053416  | .046255  | .035705  |
| %RSD   | .6760935 | 1.139339 | .5697100 | 1.141649 | .9229736 | .7213165 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.687227 | 4.959765 | 4.912051 | 4.618662 | 5.064638 | 4.984963 |
| #2 | 4.717511 | 5.041557 | 4.856399 | 4.697293 | 4.989415 | 4.951456 |
| #3 | 4.751005 | 5.070022 | 4.884623 | 4.720609 | 4.980393 | 4.913597 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.970310 |
| Stddev | .056393  |
| %RSD   | 1.134590 |

|    |          |
|----|----------|
| #1 | 5.021363 |
| #2 | 4.909779 |
| #3 | 4.979788 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1146.180 | 1963.132 | 28719.59 | 9615.165 | 2365.299 |
| Stddev    | 7.269    | 6.446    | 148.69   | 99.961   | 4.736    |
| %RSD      | .6341594 | .3283472 | .5177138 | 1.039614 | .2002324 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1138.431 | 1967.016 | 28574.60 | 9502.749 | 2368.590 |
| #2 | 1147.263 | 1966.690 | 28712.45 | 9694.048 | 2367.436 |
| #3 | 1152.847 | 1955.692 | 28871.71 | 9648.698 | 2359.871 |

Sample Name: CCB032      Acquired: 11/2/2017 22:23:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB032      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000471 | -.000120 | -.000263 | .0007652 | -.000305 | .0003695 | .0005307 |
| Stddev | .000880  | .000603  | .002387  | .0005811 | .000929  | .0015716 | .0003360 |
| %RSD   | 186.7006 | 504.1705 | 908.7273 | 75.93975 | 304.1764 | 425.3538 | 63.30687 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000288 | .000576  | .001978  | .0007013 | .000630  | .0021822 | .0001602 |
| #2 | -.001429 | -.000495 | .000007  | .0002187 | -.000319 | -.000463 | .0006166 |
| #3 | .000302  | -.000440 | -.002773 | .0013756 | -.001228 | -.000610 | .0008155 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000034 | -.000088 | -.002916 | .0004436 | -.000068 | .0003908 | .0003335 |
| Stddev | .000016  | .000013  | .003117  | .0002328 | .000156  | .0011818 | .0022773 |
| %RSD   | 45.64538 | 15.25703 | 106.8712 | 52.48500 | 227.7866 | 302.3929 | 682.8319 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000038 | -.000079 | .000442  | .0004421 | .000110  | .0013837 | -.000795 |
| #2 | -.000048 | -.000082 | -.005716 | .0002115 | -.000180 | -.000916 | -.001159 |
| #3 | -.000017 | -.000103 | -.003475 | .0006771 | -.000135 | .000705  | .002955  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001651 | .0213931 | .0003583 | -.000072 | .1100213 | -.001758 | -.004190 |
| Stddev | .0001101 | .0059895 | .0002012 | .000322  | .0477811 | .001453  | .005644  |
| %RSD   | 66.72480 | 27.99721 | 56.16063 | 448.1037 | 43.42897 | 82.60052 | 134.7107 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002832 | .0164366 | .0005627 | .000230  | .1131285 | -.002050 | .001797  |
| #2 | .0001467 | .0196941 | .0001604 | -.000411 | .0607624 | -.000182 | -.004952 |
| #3 | .0000652 | .0280485 | .0003517 | -.000035 | .1561730 | -.003043 | -.009414 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.066334 | .0020147 | .0016411 | .0006022 | .0187698 | -.005165 | -.000389 |
| Stddev | .034055  | .0008122 | .0001644 | .0003761 | .0010482 | .000479  | .000752  |
| %RSD   | 51.33838 | 40.31227 | 10.01666 | 62.45272 | 5.584684 | 9.270136 | 193.1184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.043256 | .0023014 | .0017056 | .0007558 | .0187724 | -.005357 | .000478  |
| #2 | -.105446 | .0010981 | .0014542 | .0008772 | .0177202 | -.005518 | -.000847 |
| #3 | -.050299 | .0026446 | .0017634 | .0001736 | .0198167 | -.004620 | -.000799 |

Sample Name: CCB032      Acquired: 11/2/2017 22:23:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB032      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000093 | -.003487 | -.000258 |
| Stddev | .0003830 | .000575  | .000031  |
| %RSD   | 4122.600 | 16.49217 | 11.96261 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000138 | -.002896 | -.000248 |
| #2 | .000444  | -.004045 | -.000292 |
| #3 | -.000278 | -.003519 | -.000233 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1439.769 | 2481.250 | 34705.54 | 10238.68 | 3552.230 |
| Stddev    | 7.518    | 9.865    | 86.37    | 38.86    | 11.203   |
| %RSD      | .5221641 | .3975875 | .2488593 | .3795021 | .3153846 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1434.312 | 2482.754 | 34709.32 | 10193.88 | 3560.684 |
| #2 | 1448.345 | 2490.276 | 34617.34 | 10259.10 | 3556.483 |
| #3 | 1436.652 | 2470.719 | 34789.95 | 10263.08 | 3539.523 |

Sample Name: I6125-03      Acquired: 11/2/2017 22:27:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0344858 | .0014544 | .0978525 | -.000806 | .0012915 | 36.33118 | .1469303 |
| Stddev | .0013348 | .0032698 | .0026261 | .001045  | .0005319 | .05888   | .0008586 |
| %RSD   | 3.870570 | 224.8200 | 2.683770 | 129.7006 | 41.18572 | .1620774 | .5843442 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0334191 | .0051852 | .0981507 | -.001825 | .0014942 | 36.30739 | .1461286 |
| #2 | .0359827 | .0000913 | .0950900 | .000264  | .0016924 | 36.39824 | .1478362 |
| #3 | .0340557 | -.000913 | .1003169 | -.000857 | .0006881 | 36.28791 | .1468260 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012917 | -.000603 | .6771006 | .0971050 | .0043802 | .0553645 | 43.04751 |
| Stddev | .0000840 | .000021  | .0161157 | .0004410 | .0001252 | .0009882 | .31141   |
| %RSD   | 6.504992 | 3.476573 | 2.380098 | .4541906 | 2.858103 | 1.784922 | .7233989 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013386 | -.000586 | .6591104 | .0968856 | .0043819 | .0542391 | 42.69340 |
| #2 | .0013418 | -.000597 | .6902162 | .0968168 | .0045046 | .0557634 | 43.27864 |
| #3 | .0011947 | -.000627 | .6819751 | .0976127 | .0042542 | .0560908 | 43.17050 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0398090 | .7708666 | .0236003 | -.006195 | .1529009 | .2274410 | .0738239 |
| Stddev | .0002619 | .0051151 | .0001943 | .000402  | .0598514 | .0033454 | .0055761 |
| %RSD   | .6579048 | .6635515 | .8232527 | 6.486217 | 39.14394 | 1.470881 | 7.553296 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0397947 | .7660724 | .0236129 | -.005792 | .1285547 | .2308274 | .0802448 |
| #2 | .0400778 | .7702760 | .0234000 | -.006595 | .1090593 | .2241382 | .0701982 |
| #3 | .0395546 | .7762513 | .0237880 | -.006197 | .2210886 | .2273575 | .0710288 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.418078 | 1.141626 | -.051420 | .0045448 | .6652064 | 7.800208 | .0036819 |
| Stddev | .040266  | .010975  | .000112  | .0000928 | .0051721 | .023399  | .0017661 |
| %RSD   | 9.631200 | .9613055 | .2184950 | 2.043109 | .7775121 | .2999790 | 47.96850 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.445412 | 1.154122 | -.051327 | .0044473 | .6700488 | 7.780527 | .0016884 |
| #2 | -.371838 | 1.133554 | -.051545 | .0046322 | .6597581 | 7.826080 | .0050513 |
| #3 | -.436984 | 1.137201 | -.051388 | .0045547 | .6658122 | 7.794016 | .0043058 |

Sample Name: I6125-03      Acquired: 11/2/2017 22:27:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9784807 | .0104633 | .0206389 |
| Stddev | .0026423 | .0003406 | .0000530 |
| %RSD   | .2700406 | 3.255431 | .2566744 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9757016 | .0104646 | .0205943 |
| #2 | .9787796 | .0108032 | .0206975 |
| #3 | .9809608 | .0101220 | .0206249 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1451.440 | 2490.259 | 35270.66 | 10777.18 | 3320.583 |
| Stddev    | 3.304    | 13.471   | 149.38   | 29.26    | 16.419   |
| %RSD      | .2276145 | .5409413 | .4235216 | .2715140 | .4944573 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1449.148 | 2487.336 | 35103.37 | 10782.12 | 3320.797 |
| #2 | 1449.945 | 2504.951 | 35390.71 | 10745.76 | 3336.893 |
| #3 | 1455.227 | 2478.490 | 35317.89 | 10803.65 | 3304.058 |

Sample Name: I6125-07      Acquired: 11/2/2017 22:31:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2740855 | .0027760 | 1.594985 | .0011689 | .0027052 | 36.09547 | .5096391 |
| Stddev | .0041074 | .0026613 | .011900  | .0012201 | .0006087 | .08954   | .0006706 |
| %RSD   | 1.498579 | 95.86784 | .7460616 | 104.3876 | 22.50197 | .2480607 | .1315774 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2698541 | .0039113 | 1.596298 | .0001778 | .0029927 | 36.19502 | .5101996 |
| #2 | .2743459 | .0046813 | 1.582483 | .0007972 | .0031169 | 36.06988 | .5098214 |
| #3 | .2780565 | -.000265 | 1.606174 | .0025316 | .0020059 | 36.02152 | .5088962 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030243 | .0057648 | 16.73456 | .1107462 | .0550682 | .2453037 | 83.05231 |
| Stddev | .0000999 | .0000772 | .08943   | .0004628 | .0002878 | .0023375 | .45842   |
| %RSD   | 3.303287 | 1.338318 | .5344089 | .4179044 | .5226649 | .9528783 | .5519708 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031167 | .0057644 | 16.63176 | .1107953 | .0550031 | .2475735 | 82.53341 |
| #2 | .0029183 | .0058422 | 16.77745 | .1102609 | .0548186 | .2454336 | 83.22113 |
| #3 | .0030381 | .0056879 | 16.79446 | .1111826 | .0553830 | .2429040 | 83.40238 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.155959 | 6.017658 | .0642467 | -.010533 | .4826900 | .2036555 | 1.362140 |
| Stddev | .004825  | .050800  | .0002785 | .000219  | .0185487 | .0026793 | .014213  |
| %RSD   | .4174316 | .8441878 | .4335430 | 2.079408 | 3.842771 | 1.315612 | 1.043461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.150589 | 5.962144 | .0643431 | -.010288 | .4960317 | .2005877 | 1.347455 |
| #2 | 1.159930 | 6.029004 | .0644643 | -.010600 | .4615087 | .2055359 | 1.375829 |
| #3 | 1.157357 | 6.061826 | .0639328 | -.010711 | .4905297 | .2048430 | 1.363136 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.200052 | 7.324769 | -.092111 | .0059686 | 5.147027 | 2.048099 | .0308812 |
| Stddev | .017708  | .076495  | .002106  | .0000877 | .008661  | .023422  | .0001107 |
| %RSD   | 8.851802 | 1.044329 | 2.285884 | 1.468467 | .1682684 | 1.143575 | .3584821 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.181686 | 7.240434 | -.094535 | .0058939 | 5.137139 | 2.072056 | .0308382 |
| #2 | -.217020 | 7.344199 | -.091071 | .0059469 | 5.153264 | 2.046989 | .0310070 |
| #3 | -.201450 | 7.389676 | -.090728 | .0060651 | 5.150679 | 2.025253 | .0307985 |



Sample Name: I6125-07      Acquired: 11/2/2017 22:31:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8961804 | .0187299 | .1379603 |
| Stddev | .0005763 | .0001297 | .0002697 |
| %RSD   | .0643027 | .6921863 | .1954998 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8965916 | .0188763 | .1379238 |
| #2 | .8955218 | .0186840 | .1382465 |
| #3 | .8964280 | .0186295 | .1377108 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1388.116 | 2425.062 | 34588.27 | 10800.39 | 3167.278 |
| Stddev    | 9.384    | 21.439   | 116.57   | 53.33    | 21.508   |
| %RSD      | .6760137 | .8840443 | .3370258 | .4937802 | .6790782 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1389.628 | 2441.556 | 34708.26 | 10751.62 | 3175.026 |
| #2 | 1378.068 | 2432.801 | 34475.45 | 10792.22 | 3183.839 |
| #3 | 1396.652 | 2400.828 | 34581.11 | 10857.33 | 3142.970 |

Sample Name: I6125-08      Acquired: 11/2/2017 22:35:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5257519 | .0034832 | 1.449382 | .0070863 | .0051317 | 38.63643 | .5836884 |
| Stddev | .0022546 | .0065761 | .009809  | .0024692 | .0006878 | .03623   | .0022026 |
| %RSD   | .4288279 | 188.7964 | .6767386 | 34.84424 | 13.40359 | .0937799 | .3773624 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5279911 | .0084286 | 1.438733 | .0075899 | .0058972 | 38.61716 | .5826865 |
| #2 | .5257823 | -.003980 | 1.451368 | .0092648 | .0045658 | 38.61391 | .5821649 |
| #3 | .5234822 | .006001  | 1.458046 | .0044041 | .0049320 | 38.67823 | .5862139 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044320 | .0049769 | 15.62574 | .1495715 | .0253077 | .3282639 | 126.1838 |
| Stddev | .0001038 | .0001715 | .00551   | .0003953 | .0000790 | .0009387 | .1851    |
| %RSD   | 2.341872 | 3.446289 | .0352694 | .2642750 | .3120557 | .2859725 | .1466608 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0043505 | .0048647 | 15.62930 | .1494201 | .0252623 | .3288211 | 126.0680 |
| #2 | .0045489 | .0048918 | 15.62854 | .1492743 | .0252619 | .3287906 | 126.3973 |
| #3 | .0043967 | .0051744 | 15.61940 | .1500201 | .0253989 | .3271801 | 126.0863 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9384921 | 5.227186 | .0617726 | -.017002 | .6754010 | .2623467 | .9660426 |
| Stddev | .0028961 | .009901  | .0010018 | .000118  | .0928151 | .0063556 | .0201692 |
| %RSD   | .3085915 | .1894119 | 1.621779 | .6945311 | 13.74222 | 2.422610 | 2.087820 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9366622 | 5.230549 | .0613399 | -.017019 | .6584000 | .2685103 | .9879983 |
| #2 | .9418311 | 5.234967 | .0610599 | -.017110 | .5922616 | .2627147 | .9617923 |
| #3 | .9369831 | 5.216041 | .0629181 | -.016876 | .7755414 | .2558150 | .9483373 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.018960 | 7.638330 | -.151654 | .0100463 | 5.348468 | 2.520493 | .0409680 |
| Stddev | .047989  | .037919  | .002122  | .0001433 | .040657  | .012841  | .0012580 |
| %RSD   | 253.1039 | .4964352 | 1.398926 | 1.426644 | .7601588 | .5094504 | 3.070760 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .035466  | 7.609265 | -.149614 | .0100159 | 5.322987 | 2.507830 | .0424200 |
| #2 | -.055188 | 7.624502 | -.151498 | .0102023 | 5.327062 | 2.520144 | .0402816 |
| #3 | -.037158 | 7.681222 | -.153849 | .0099206 | 5.395356 | 2.533504 | .0402025 |

Sample Name: I6125-08      Acquired: 11/2/2017 22:35:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9084560 | .0193574 | .2545005 |
| Stddev | .0045752 | .0008535 | .0001886 |
| %RSD   | .5036213 | 4.409345 | .0740980 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9129163 | .0191691 | .2542889 |
| #2 | .9086778 | .0186137 | .2546507 |
| #3 | .9037740 | .0202894 | .2545620 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1406.940 | 2426.294 | 34657.31 | 10740.93 | 3172.351 |
| Stddev    | 10.666   | 6.516    | 94.72    | 33.61    | 8.019    |
| %RSD      | .7581156 | .2685450 | .2733109 | .3128773 | .2527684 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1395.559 | 2430.143 | 34562.48 | 10771.82 | 3175.341 |
| #2 | 1416.708 | 2429.968 | 34751.93 | 10745.84 | 3178.445 |
| #3 | 1408.551 | 2418.771 | 34657.52 | 10705.14 | 3163.267 |

Sample Name: I6125-09      Acquired: 11/2/2017 22:40:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5274851 | -.001079 | 1.294952 | -.000296 | .0028267 | 39.12107 | .3117858 |
| Stddev | .0013118 | .001316  | .005400  | .002907  | .0007894 | .10494   | .0005400 |
| %RSD   | .2486915 | 121.9100 | .4169688 | 983.6240 | 27.92800 | .2682476 | .1732092 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5285348 | .000422  | 1.296534 | .001563  | .0019220 | 39.21292 | .3113273 |
| #2 | .5260145 | -.002032 | 1.288938 | -.003646 | .0031825 | 39.14358 | .3123811 |
| #3 | .5279060 | -.001628 | 1.299383 | .001196  | .0033756 | 39.00669 | .3116492 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022155 | .0019582 | 42.07017 | .0703524 | .0279433 | .2852970 | 49.39007 |
| Stddev | .0000510 | .0001048 | .22662   | .0015084 | .0003356 | .0017873 | .43353   |
| %RSD   | 2.302028 | 5.353784 | .5386735 | 2.144045 | 1.200830 | .6264783 | .8777611 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021650 | .0019229 | 41.82373 | .0714514 | .0276752 | .2848873 | 48.92268 |
| #2 | .0022146 | .0018755 | 42.26961 | .0686327 | .0278351 | .2837501 | 49.77902 |
| #3 | .0022670 | .0020761 | 42.11716 | .0709731 | .0283196 | .2872536 | 49.46849 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6204239 | 3.757494 | .0714392 | -.006796 | .2854969 | .1363551 | .4949007 |
| Stddev | .0060345 | .006941  | .0003226 | .000258  | .0823542 | .0056643 | .0101423 |
| %RSD   | .9726391 | .1847184 | .4515087 | 3.803667 | 28.84591 | 4.154087 | 2.049366 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6134690 | 3.749832 | .0715770 | -.007077 | .1961654 | .1415228 | .5046337 |
| #2 | .6242711 | 3.759288 | .0710707 | -.006569 | .3019291 | .1372434 | .4843935 |
| #3 | .6235316 | 3.763361 | .0716701 | -.006741 | .3583961 | .1302991 | .4956750 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.391058 | 4.074558 | -.049960 | .0021861 | 1.575331 | 12.41833 | .0077186 |
| Stddev | .035706  | .023754  | .000409  | .0001194 | .011668  | .00433   | .0021613 |
| %RSD   | 9.130553 | .5829814 | .8182103 | 5.460919 | .7406864 | .0348825 | 28.00124 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.382090 | 4.083906 | -.050331 | .0020483 | 1.569141 | 12.41334 | .0052985 |
| #2 | -.430393 | 4.047553 | -.049522 | .0022505 | 1.568062 | 12.42054 | .0094564 |
| #3 | -.360691 | 4.092217 | -.050026 | .0022594 | 1.588790 | 12.42112 | .0084010 |

Sample Name: I6125-09      Acquired: 11/2/2017 22:40:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5133528 | .0174615 | .2681891 |
| Stddev | .0016407 | .0003122 | .0002805 |
| %RSD   | .3196106 | 1.787775 | .1045720 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5139071 | .0177423 | .2685129 |
| #2 | .5146447 | .0175168 | .2680213 |
| #3 | .5115068 | .0171253 | .2680331 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1400.198 | 2372.996 | 33981.33 | 10562.92 | 3162.955 |
| Stddev    | 4.197    | 20.095   | 133.46   | 17.76    | 22.962   |
| %RSD      | .2997532 | .8468026 | .3927557 | .1681666 | .7259725 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.267 | 2395.125 | 33857.36 | 10551.73 | 3186.963 |
| #2 | 1396.544 | 2367.976 | 34122.60 | 10553.63 | 3160.699 |
| #3 | 1404.782 | 2355.887 | 33964.01 | 10583.40 | 3141.205 |

Sample Name: I6125-10      Acquired: 11/2/2017 22:44:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3287168 | .0005690 | .2439092 | .0015994 | .0035780 | 68.06227 | .2473663 |
| Stddev | .0051221 | .0020579 | .0036764 | .0014929 | .0006192 | .08177   | .0003311 |
| %RSD   | 1.558206 | 361.6902 | 1.507298 | 93.34123 | 17.30511 | .1201372 | .1338543 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3229560 | -.001526 | .2432971 | .0029172 | .0028875 | 68.01856 | .2469899 |
| #2 | .3327572 | .000645  | .2405772 | .0019028 | .0040838 | 68.15660 | .2474969 |
| #3 | .3304372 | .002588  | .2478533 | -.000022 | .0037626 | 68.01164 | .2476123 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019157 | .0003112 | 8.740553 | .0916086 | .0086913 | .1095231 | 50.93667 |
| Stddev | .0000476 | .0001197 | .024815  | .0006538 | .0002379 | .0006830 | .11946   |
| %RSD   | 2.484892 | 38.46818 | .2839100 | .7137328 | 2.736976 | .6236277 | .2345336 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018689 | .0001803 | 8.712155 | .0921391 | .0089304 | .1088214 | 50.83005 |
| #2 | .0019141 | .0004152 | 8.758065 | .0918085 | .0084546 | .1095621 | 51.06578 |
| #3 | .0019640 | .0003381 | 8.751439 | .0908781 | .0086889 | .1101857 | 50.91417 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1632951 | 1.940978 | .0577323 | -.006924 | .2524184 | .1925286 | .2547902 |
| Stddev | .0007081 | .017287  | .0004668 | .000237  | .0717757 | .0016718 | .0061583 |
| %RSD   | .4336641 | .8906120 | .8085489 | 3.416495 | 28.43522 | .8683522 | 2.417013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1641127 | 1.921259 | .0574878 | -.006783 | .2978883 | .1934158 | .2478032 |
| #2 | .1628755 | 1.953521 | .0574386 | -.007197 | .1696741 | .1935698 | .2571391 |
| #3 | .1628971 | 1.948155 | .0582706 | -.006792 | .2896926 | .1906002 | .2594284 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.32385 | 2.790395 | -.059236 | .0028483 | .7636911 | 5.281800 | .0060685 |
| Stddev | .02761   | .044323  | .000342  | .0001082 | .0116457 | .028960  | .0029593 |
| %RSD   | 2.085432 | 1.588429 | .5776318 | 3.797372 | 1.524917 | .5483050 | 48.76524 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.33437 | 2.834578 | -.059495 | .0027317 | .7765289 | 5.315050 | .0071607 |
| #2 | -1.34465 | 2.745932 | -.059364 | .0028678 | .7538060 | 5.268265 | .0083263 |
| #3 | -1.29253 | 2.790676 | -.058848 | .0029454 | .7607383 | 5.262085 | .0027183 |

Sample Name: I6125-10      Acquired: 11/2/2017 22:44:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2787009 | .0291689 | .0766089 |
| Stddev | .0013676 | .0002990 | .0002227 |
| %RSD   | .4906917 | 1.025195 | .2906437 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2797264 | .0288379 | .0767282 |
| #2 | .2771482 | .0294196 | .0767465 |
| #3 | .2792280 | .0292492 | .0763520 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1378.277 | 2369.656 | 33507.56 | 10451.93 | 3216.177 |
| Stddev    | 5.151    | 4.390    | 149.09   | 32.35    | 6.358    |
| %RSD      | .3737287 | .1852533 | .4449394 | .3095588 | .1977022 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1375.698 | 2370.489 | 33372.66 | 10415.15 | 3218.962 |
| #2 | 1384.208 | 2373.569 | 33667.63 | 10464.61 | 3220.667 |
| #3 | 1374.925 | 2364.909 | 33482.39 | 10476.02 | 3208.901 |

Sample Name: I6125-11      Acquired: 11/2/2017 22:48:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0760555 | -.001944 | .0706640 | -.001021 | .0019048 | 41.57997 | .1652568 |
| Stddev | .0014498 | .001588  | .0011288 | .001421  | .0005765 | .10718   | .0007755 |
| %RSD   | 1.906187 | 81.66005 | 1.597344 | 139.1300 | 30.26579 | .2577644 | .4692469 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0764624 | -.000587 | .0708423 | .000502  | .0024498 | 41.66948 | .1658551 |
| #2 | .0772583 | -.001555 | .0716931 | -.001256 | .0013013 | 41.60923 | .1655347 |
| #3 | .0744457 | -.003690 | .0694568 | -.002310 | .0019632 | 41.46120 | .1643807 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016097 | -.000814 | 2.198658 | .1092188 | .0063067 | .0309384 | 64.59358 |
| Stddev | .0000975 | .000156  | .019025  | .0004645 | .0002158 | .0015871 | .11019   |
| %RSD   | 6.056319 | 19.21754 | .8653132 | .4253092 | 3.421411 | 5.129777 | .1705941 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015972 | -.000634 | 2.216783 | .1092507 | .0060581 | .0315938 | 64.58302 |
| #2 | .0015190 | -.000889 | 2.200346 | .1096665 | .0064452 | .0320929 | 64.70867 |
| #3 | .0017128 | -.000919 | 2.178845 | .1087391 | .0064169 | .0291286 | 64.48904 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0944799 | 2.093549 | .0271165 | -.009006 | .2984590 | .1854361 | .0130074 |
| Stddev | .0009587 | .027095  | .0001907 | .000122  | .0487483 | .0019686 | .0012447 |
| %RSD   | 1.014714 | 1.294207 | .7033263 | 1.350947 | 16.33334 | 1.061610 | 9.569420 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0933729 | 2.124578 | .0271627 | -.008884 | .2464166 | .1875200 | .0117789 |
| #2 | .0950322 | 2.081507 | .0269070 | -.009007 | .3059037 | .1851806 | .0142677 |
| #3 | .0950347 | 2.074563 | .0272799 | -.009127 | .3430568 | .1836077 | .0129754 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.08227 | .7299355 | -.080355 | .0030875 | .1982146 | 5.569837 | .0029202 |
| Stddev | .02481   | .0024761 | .000292  | .0001490 | .0004637 | .026130  | .0010975 |
| %RSD   | 2.292732 | .3392146 | .3628672 | 4.827458 | .2339252 | .4691329 | 37.58210 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.10205 | .7290672 | -.080484 | .0029442 | .1982148 | 5.547773 | .0018526 |
| #2 | -1.05443 | .7280105 | -.080560 | .0030767 | .1986782 | 5.563046 | .0040453 |
| #3 | -1.09033 | .7327287 | -.080021 | .0032417 | .1977508 | 5.598692 | .0028627 |



Sample Name: I6125-11      Acquired: 11/2/2017 22:48:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3838030 | .0108203 | .0352116 |
| Stddev | .0017281 | .0005732 | .0000538 |
| %RSD   | .4502468 | 5.297371 | .1527656 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3857595 | .0112709 | .0352000 |
| #2 | .3824853 | .0101752 | .0352702 |
| #3 | .3831642 | .0110148 | .0351645 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1413.872 | 2472.413 | 34351.75 | 10537.25 | 3354.617 |
| Stddev    | 28.206   | 6.911    | 353.05   | 7.07     | 9.822    |
| %RSD      | 1.994933 | .2795277 | 1.027746 | .0671002 | .2927774 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1389.376 | 2469.253 | 34091.31 | 10537.09 | 3350.425 |
| #2 | 1407.530 | 2480.339 | 34210.37 | 10530.26 | 3365.839 |
| #3 | 1444.708 | 2467.646 | 34753.58 | 10544.40 | 3347.587 |

Sample Name: I6125-12      Acquired: 11/2/2017 22:52:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0ED9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060857 | .0053279 | .0649078 | -.003815 | .0026526 | 59.04839 | .1266855 |
| Stddev | .0056389 | .0025457 | .0021715 | .001337  | .0003925 | .22393   | .0004971 |
| %RSD   | 92.65747 | 47.77971 | 3.345580 | 35.05443 | 14.79703 | .3792382 | .3923877 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0040607 | .0055368 | .0671200 | -.002794 | .0022162 | 58.90196 | .1270491 |
| #2 | .0124575 | .0026842 | .0648243 | -.003322 | .0029768 | 58.93703 | .1268884 |
| #3 | .0017390 | .0077627 | .0627793 | -.005329 | .0027647 | 59.30617 | .1261191 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019181 | -.001207 | 2.157460 | .1326184 | .0039647 | .0421047 | 92.10154 |
| Stddev | .0000142 | .000265  | .012055  | .0004985 | .0002707 | .0017135 | .40345   |
| %RSD   | .7420434 | 21.95661 | .5587796 | .3758941 | 6.827869 | 4.069537 | .4380512 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019016 | -.001438 | 2.165879 | .1320541 | .0042379 | .0410480 | 92.39206 |
| #2 | .0019263 | -.000918 | 2.143650 | .1328021 | .0036966 | .0411843 | 91.64089 |
| #3 | .0019263 | -.001264 | 2.162852 | .1329990 | .0039596 | .0440816 | 92.27168 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0356111 | .7031468 | .0290480 | -.012210 | .3763905 | .3982667 | -.031977 |
| Stddev | .0004052 | .0109873 | .0003335 | .000176  | .0545423 | .0051567 | .003235  |
| %RSD   | 1.137926 | 1.562590 | 1.148014 | 1.441953 | 14.49087 | 1.294785 | 10.11537 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0352226 | .7157593 | .0286635 | -.012030 | .4225419 | .4013807 | -.034767 |
| #2 | .0355796 | .6956512 | .0292576 | -.012382 | .3162015 | .3923144 | -.032733 |
| #3 | .0360312 | .6980299 | .0292230 | -.012218 | .3904280 | .4011051 | -.028432 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.925282 | .8581418 | -.115807 | .0061491 | .2072119 | 5.273835 | .0055274 |
| Stddev | .017821  | .0017281 | .000636  | .0004549 | .0018198 | .028306  | .0016057 |
| %RSD   | 1.925957 | .2013736 | .5492362 | 7.397577 | .8782480 | .5367321 | 29.04911 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.938858 | .8584051 | -.116305 | .0056267 | .2090788 | 5.273205 | .0071101 |
| #2 | -.905102 | .8562971 | -.115090 | .0063638 | .2054431 | 5.245849 | .0038997 |
| #3 | -.931886 | .8597230 | -.116025 | .0064570 | .2071138 | 5.302452 | .0055724 |

Sample Name: I6125-12      Acquired: 11/2/2017 22:52:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0ED9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5224687 | .0009497 | .0237137 |
| Stddev | .0030393 | .0003818 | .0001002 |
| %RSD   | .5817242 | 40.19738 | .4224511 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5201065 | .0013896 | .0237746 |
| #2 | .5214022 | .0007044 | .0235981 |
| #3 | .5258976 | .0007552 | .0237683 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1444.701 | 2465.406 | 34546.96 | 10693.96 | 3236.828 |
| Stddev    | 23.150   | 3.352    | 110.66   | 58.57    | 4.121    |
| %RSD      | 1.602409 | .1359437 | .3203131 | .5477157 | .1273252 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1433.526 | 2461.548 | 34508.38 | 10693.02 | 3235.143 |
| #2 | 1429.259 | 2467.072 | 34460.75 | 10753.00 | 3241.525 |
| #3 | 1471.319 | 2467.598 | 34671.74 | 10635.86 | 3233.816 |

Sample Name: I6125-13      Acquired: 11/2/2017 22:56:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1904584 | .0017449 | .0492498 | -.000330 | .0023782 | 41.42254 | .1916427 |
| Stddev | .0015512 | .0004194 | .0022862 | .000747  | .0013021 | .15984   | .0006873 |
| %RSD   | .8144277 | 24.03911 | 4.642119 | 226.3408 | 54.75131 | .3858736 | .3586479 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1902040 | .0020340 | .0468776 | -.000215 | .0038439 | 41.41627 | .1920246 |
| #2 | .1890502 | .0012638 | .0514391 | -.001127 | .0019355 | 41.26593 | .1908492 |
| #3 | .1921210 | .0019367 | .0494327 | .000353  | .0013552 | 41.58542 | .1920542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020229 | -.000797 | 3.376176 | .0776025 | .0069452 | .0251940 | 58.07026 |
| Stddev | .0001038 | .000078  | .007289  | .0003844 | .0002100 | .0004480 | .11613   |
| %RSD   | 5.132198 | 9.840289 | .2159045 | .4953726 | 3.023787 | 1.778083 | .1999887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020500 | -.000747 | 3.374751 | .0771973 | .0071750 | .0250188 | 58.16993 |
| #2 | .0021105 | -.000757 | 3.369705 | .0779620 | .0067632 | .0248602 | 58.09812 |
| #3 | .0019082 | -.000888 | 3.384073 | .0776482 | .0068974 | .0257031 | 57.94273 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1323209 | 2.004942 | .0223603 | -.008014 | .2182688 | .1415716 | .0756522 |
| Stddev | .0014142 | .002304  | .0005043 | .000402  | .0341553 | .0040817 | .0012502 |
| %RSD   | 1.068771 | .1148954 | 2.255364 | 5.016028 | 15.64827 | 2.883129 | 1.652579 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1337833 | 2.003378 | .0219625 | -.007825 | .1837953 | .1380604 | .0768334 |
| #2 | .1309604 | 2.003860 | .0229275 | -.007741 | .2189145 | .1406043 | .0743429 |
| #3 | .1322191 | 2.007587 | .0221910 | -.008476 | .2520967 | .1460500 | .0757804 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.648755 | 2.045391 | -.070703 | .0022880 | .1737423 | 7.426764 | .0026948 |
| Stddev | .047974  | .024595  | .001367  | .0004176 | .0008020 | .026763  | .0009508 |
| %RSD   | 7.394735 | 1.202436 | 1.934036 | 18.25087 | .4615988 | .3603599 | 35.28176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.593633 | 2.019554 | -.069664 | .0019373 | .1735046 | 7.450197 | .0025496 |
| #2 | -.671555 | 2.048099 | -.072252 | .0021768 | .1746362 | 7.397599 | .0018250 |
| #3 | -.681077 | 2.068519 | -.070194 | .0027499 | .1730860 | 7.432497 | .0037098 |

Sample Name: I6125-13      Acquired: 11/2/2017 22:56:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5793227 | .0129571 | .0325154 |
| Stddev | .0025602 | .0003074 | .0002063 |
| %RSD   | .4419287 | 2.372442 | .6345108 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5801453 | .0126545 | .0325450 |
| #2 | .5764523 | .0132691 | .0322959 |
| #3 | .5813704 | .0129479 | .0327053 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1400.828 | 2410.374 | 34015.10 | 10440.41 | 3300.015 |
| Stddev    | 8.475    | 7.867    | 26.69    | 41.15    | 10.316   |
| %RSD      | .6050338 | .3263779 | .0784586 | .3941737 | .3126167 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1409.856 | 2405.931 | 33988.39 | 10397.61 | 3299.262 |
| #2 | 1399.585 | 2419.457 | 34015.14 | 10443.93 | 3310.687 |
| #3 | 1393.043 | 2405.734 | 34041.77 | 10479.70 | 3290.096 |

Sample Name: I6125-14      Acquired: 11/2/2017 23:00:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0385782 | -.000945 | .0432610 | -.002623 | .0032792 | 35.92605 | .1387497 |
| Stddev | .0038133 | .000669  | .0008361 | .002315  | .0004772 | .11222   | .0003437 |
| %RSD   | 9.884712 | 70.83856 | 1.932608 | 88.26688 | 14.55256 | .3123729 | .2477426 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0373954 | -.000588 | .0424978 | -.005210 | .0031022 | 35.80256 | .1391431 |
| #2 | .0428427 | -.001717 | .0441546 | -.001916 | .0038196 | 35.95379 | .1385983 |
| #3 | .0354964 | -.000529 | .0431308 | -.000744 | .0029157 | 36.02180 | .1385076 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020346 | -.001066 | 1.564094 | .0830565 | .0056279 | .0253932 | 73.92679 |
| Stddev | .0000293 | .000019  | .017996  | .0003802 | .0001855 | .0016370 | .26086   |
| %RSD   | 1.438853 | 1.749498 | 1.150585 | .4577399 | 3.296549 | 6.446603 | .3528680 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020391 | -.001087 | 1.560166 | .0828148 | .0055190 | .0236992 | 73.64221 |
| #2 | .0020033 | -.001050 | 1.548385 | .0834947 | .0055226 | .0269666 | 74.15460 |
| #3 | .0020613 | -.001062 | 1.583729 | .0828600 | .0058421 | .0255138 | 73.98355 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0518499 | .7795605 | .0156228 | -.010136 | .2138144 | .2202143 | -.020793 |
| Stddev | .0000773 | .0105690 | .0003262 | .000409  | .0317196 | .0034288 | .005949  |
| %RSD   | .1491889 | 1.355760 | 2.087966 | 4.036866 | 14.83511 | 1.557012 | 28.61262 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0517690 | .7728384 | .0157054 | -.009830 | .1975487 | .2202231 | -.014647 |
| #2 | .0518576 | .7741003 | .0152632 | -.010600 | .1935270 | .2236387 | -.021209 |
| #3 | .0519231 | .7917427 | .0158997 | -.009976 | .2503673 | .2167812 | -.026524 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.848210 | .7518786 | -.092528 | .0035226 | .1550591 | 7.773421 | .0017150 |
| Stddev | .021883  | .0175272 | .000257  | .0001100 | .0025862 | .057722  | .0026891 |
| %RSD   | 2.579862 | 2.331116 | .2772798 | 3.122622 | 1.667901 | .7425543 | 156.7983 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.822963 | .7412771 | -.092378 | .0036328 | .1579838 | 7.717616 | .0007422 |
| #2 | -.861723 | .7422494 | -.092381 | .0034128 | .1530741 | 7.832885 | .0047551 |
| #3 | -.859944 | .7721095 | -.092824 | .0035220 | .1541193 | 7.769761 | -.000352 |

Sample Name: I6125-14      Acquired: 11/2/2017 23:00:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6871930 | .0034740 | .0177291 |
| Stddev | .0002460 | .0004684 | .0001011 |
| %RSD   | .0357979 | 13.48174 | .5703484 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6869272 | .0037767 | .0176325 |
| #2 | .6872392 | .0029346 | .0177205 |
| #3 | .6874127 | .0037108 | .0178342 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1403.713 | 2401.915 | 34197.04 | 10456.75 | 3297.919 |
| Stddev    | 8.265    | 9.618    | 90.04    | 47.73    | 11.172   |
| %RSD      | .5887699 | .4004482 | .2632863 | .4564918 | .3387560 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.790 | 2391.389 | 34097.61 | 10495.31 | 3293.428 |
| #2 | 1398.140 | 2410.247 | 34220.46 | 10403.36 | 3310.638 |
| #3 | 1413.208 | 2404.110 | 34273.05 | 10471.59 | 3289.692 |

Sample Name: I6125-15      Acquired: 11/2/2017 23:04:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0978617 | .0004885 | .8512013 | -.000685 | .0043430 | 24.45549 | .4026645 |
| Stddev | .0030386 | .0016860 | .0074646 | .002409  | .0008729 | .06390   | .0012598 |
| %RSD   | 3.104977 | 345.1247 | .8769486 | 351.4483 | 20.09793 | .2612722 | .3128743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0973843 | -.001415 | .8501946 | .001742  | .0044175 | 24.38199 | .4015586 |
| #2 | .0950901 | .001088  | .8442911 | -.000722 | .0051762 | 24.48664 | .4040359 |
| #3 | .1011108 | .001793  | .8591181 | -.003075 | .0034353 | 24.49783 | .4023991 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025103 | .0137676 | 29.84818 | .1272622 | .0194827 | .1559302 | 74.12550 |
| Stddev | .0001001 | .0002802 | .15268   | .0004557 | .0003701 | .0002381 | .41155   |
| %RSD   | 3.988567 | 2.035352 | .5115121 | .3580645 | 1.899584 | .1526855 | .5552004 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025847 | .0139333 | 29.69472 | .1271696 | .0196740 | .1561535 | 73.83769 |
| #2 | .0025498 | .0134441 | 30.00006 | .1277571 | .0190561 | .1559574 | 74.59689 |
| #3 | .0023965 | .0139255 | 29.84977 | .1268599 | .0197180 | .1556797 | 73.94193 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5939097 | 15.29083 | .0735897 | -.010316 | .5157926 | .2329704 | 2.880860 |
| Stddev | .0033442 | .12642   | .0005062 | .000085  | .0760151 | .0055132 | .016973  |
| %RSD   | .5630865 | .8267381 | .6878320 | .8275568 | 14.73754 | 2.366467 | .5891573 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5928842 | 15.23144 | .0735490 | -.010371 | .5662393 | .2344442 | 2.869797 |
| #2 | .5976466 | 15.43600 | .0731051 | -.010218 | .5527757 | .2268701 | 2.872382 |
| #3 | .5911983 | 15.20504 | .0741150 | -.010360 | .4283627 | .2375969 | 2.900402 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.662236 | 2.885630 | -.070827 | .0045284 | 3.697870 | 5.081430 | .0107672 |
| Stddev | .033915  | .029941  | .000573  | .0002762 | .036963  | .041659  | .0011944 |
| %RSD   | 2.040310 | 1.037595 | .8093164 | 6.099150 | .9995634 | .8198311 | 11.09323 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.670777 | 2.899548 | -.070847 | .0044578 | 3.674041 | 5.040563 | .0107442 |
| #2 | 1.691063 | 2.851263 | -.071389 | .0042944 | 3.679120 | 5.123838 | .0119729 |
| #3 | 1.624867 | 2.906079 | -.070243 | .0048331 | 3.740450 | 5.079889 | .0095844 |



Sample Name: I6125-15      Acquired: 11/2/2017 23:04:44      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EB3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.220895 | .0106503 | .1225366 |
| Stddev | .004336  | .0002318 | .0001540 |
| %RSD   | .3551320 | 2.176373 | .1256675 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.221580 | .0103838 | .1223634 |
| #2 | 1.216258 | .0108051 | .1225885 |
| #3 | 1.224848 | .0107619 | .1226580 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1392.562 | 2401.630 | 34417.06 | 10704.49 | 3187.113 |
| Stddev    | 7.558    | 9.861    | 29.62    | 81.92    | 20.233   |
| %RSD      | .5427294 | .4106064 | .0860497 | .7652471 | .6348392 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1398.467 | 2397.761 | 34441.32 | 10751.20 | 3185.514 |
| #2 | 1384.044 | 2412.839 | 34384.06 | 10609.90 | 3208.098 |
| #3 | 1395.173 | 2394.290 | 34425.80 | 10752.37 | 3167.727 |

Sample Name: I6125-16      Acquired: 11/2/2017 23:08:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0842674 | .0032013 | .2098960 | -.004663 | .0039186 | 34.04555 | .1913095 |
| Stddev | .0020070 | .0031085 | .0020837 | .001506  | .0004153 | .08787   | .0002360 |
| %RSD   | 2.381695 | 97.10337 | .9927380 | 32.30957 | 10.59942 | .2580963 | .1233521 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0832128 | .0015354 | .2091774 | -.006184 | .0043617 | 34.06969 | .1915786 |
| #2 | .0865819 | .0012808 | .2082668 | -.004633 | .0038559 | 33.94814 | .1912122 |
| #3 | .0830076 | .0067877 | .2122440 | -.003171 | .0035381 | 34.11883 | .1911378 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0037017 | -.000726 | 2.082272 | .1129186 | .0219244 | .0634723 | 127.1518 |
| Stddev | .0000970 | .000079  | .018566  | .0008856 | .0005232 | .0015695 | .9142    |
| %RSD   | 2.619781 | 10.91373 | .8916014 | .7843165 | 2.386550 | 2.472700 | .7189459 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0036570 | -.000774 | 2.060940 | .1120661 | .0220080 | .0639699 | 126.2313 |
| #2 | .0036351 | -.000769 | 2.094777 | .1128556 | .0213644 | .0617144 | 127.1646 |
| #3 | .0038129 | -.000634 | 2.091099 | .1138340 | .0224008 | .0647327 | 128.0595 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3191385 | 1.867029 | .0400850 | -.017736 | .4536624 | .2513439 | .1929124 |
| Stddev | .0028780 | .023565  | .0003666 | .000349  | .0392120 | .0053811 | .0056417 |
| %RSD   | .9017907 | 1.262185 | .9145240 | 1.969596 | 8.643441 | 2.140933 | 2.924493 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3158681 | 1.893344 | .0397913 | -.018111 | .4179177 | .2456338 | .1983285 |
| #2 | .3202627 | 1.859867 | .0399679 | -.017420 | .4956038 | .2563208 | .1933393 |
| #3 | .3212847 | 1.847874 | .0404959 | -.017678 | .4474657 | .2520771 | .1870693 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.11797 | 1.402508 | -.159680 | .0012528 | .3980541 | 7.520812 | .0069533 |
| Stddev | .04450   | .012121  | .000667  | .0000548 | .0033195 | .021995  | .0026935 |
| %RSD   | 3.980795 | .8642280 | .4176093 | 4.373271 | .8339392 | .2924574 | 38.73756 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.15281 | 1.395559 | -.159337 | .0013009 | .3994296 | 7.496086 | .0074968 |
| #2 | -1.13326 | 1.395462 | -.160449 | .0012644 | .3942679 | 7.528147 | .0040295 |
| #3 | -1.06783 | 1.416504 | -.159255 | .0011932 | .4004647 | 7.538201 | .0093337 |

Sample Name: I6125-16      Acquired: 11/2/2017 23:08:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EB4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9266382 | .0012653 | .0213431 |
| Stddev | .0009000 | .0006235 | .0000950 |
| %RSD   | .0971287 | 49.27264 | .4452504 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9272025 | .0009338 | .0213058 |
| #2 | .9256002 | .0019845 | .0212723 |
| #3 | .9271117 | .0008777 | .0214511 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1445.032 | 2498.895 | 35092.96 | 10785.91 | 3272.430 |
| Stddev    | 7.454    | 8.136    | 128.43   | 49.28    | 10.640   |
| %RSD      | .5158594 | .3255935 | .3659752 | .4569062 | .3251520 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1438.833 | 2500.089 | 34944.81 | 10827.51 | 3270.795 |
| #2 | 1442.959 | 2506.369 | 35161.24 | 10798.73 | 3283.794 |
| #3 | 1453.303 | 2490.228 | 35172.83 | 10731.48 | 3262.702 |

Sample Name: I6125-17      Acquired: 11/2/2017 23:12:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.736222 | .0017877 | 10.62820 | -.002147 | .0073092 | 44.07638 | .2654442 |
| Stddev | .024836  | .0014941 | .03041   | .000643  | .0014346 | .03916   | .0008290 |
| %RSD   | .3686870 | 83.57441 | .2861567 | 29.94160 | 19.62743 | .0888402 | .3123011 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.720900 | .0030556 | 10.60600 | -.001415 | .0070711 | 44.07069 | .2650092 |
| #2 | 6.722889 | .0001406 | 10.61574 | -.002623 | .0088479 | 44.11807 | .2649232 |
| #3 | 6.764876 | .0021670 | 10.66287 | -.002402 | .0060085 | 44.04037 | .2664001 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024356 | -.000438 | 9.340688 | .0877045 | .0095259 | 1.349310 | 62.36430 |
| Stddev | .0001002 | .000024  | .024557  | .0005927 | .0001722 | .002817  | .24451   |
| %RSD   | 4.114411 | 5.363367 | .2629053 | .6757297 | 1.807514 | .2087548 | .3920632 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023349 | -.000465 | 9.356224 | .0878281 | .0094874 | 1.351906 | 62.43446 |
| #2 | .0025353 | -.000423 | 9.312377 | .0882257 | .0093763 | 1.349708 | 62.09238 |
| #3 | .0024365 | -.000427 | 9.353464 | .0870598 | .0097141 | 1.346315 | 62.56605 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1901122 | 2.218556 | .0348041 | -.008614 | .3345180 | .1466075 | .3923406 |
| Stddev | .0011079 | .010755  | .0005104 | .000122  | .1033945 | .0013808 | .0098611 |
| %RSD   | .5827352 | .4847949 | 1.466504 | 1.420102 | 30.90850 | .9418468 | 2.513406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1905272 | 2.230970 | .0352722 | -.008615 | .4378378 | .1478214 | .4037270 |
| #2 | .1888568 | 2.212026 | .0342599 | -.008736 | .2310489 | .1468957 | .3867126 |
| #3 | .1909527 | 2.212673 | .0348801 | -.008491 | .3346673 | .1451053 | .3865822 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.984938 | 2.340384 | -.074101 | .0019927 | .6409594 | 6.331286 | .0085847 |
| Stddev | .040440  | .013058  | .001289  | .0002769 | .0014559 | .012320  | .0012130 |
| %RSD   | 4.105871 | .5579542 | 1.740111 | 13.89520 | .2271466 | .1945832 | 14.13000 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.939837 | 2.331904 | -.074808 | .0019539 | .6408958 | 6.343626 | .0093682 |
| #2 | -1.01797 | 2.333826 | -.074881 | .0017373 | .6395363 | 6.318987 | .0071874 |
| #3 | -.99701  | 2.355421 | -.072612 | .0022869 | .6424460 | 6.331245 | .0091984 |

Sample Name: I6125-17      Acquired: 11/2/2017 23:12:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EB5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5556069 | .0148456 | .0399010 |
| Stddev | .0038660 | .0006833 | .0000818 |
| %RSD   | .6958221 | 4.602355 | .2050982 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5569726 | .0151667 | .0398977 |
| #2 | .5586047 | .0153092 | .0399844 |
| #3 | .5512434 | .0140610 | .0398209 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1401.644 | 2446.446 | 34415.50 | 10578.71 | 3272.278 |
| Stddev    | 12.120   | 3.955    | 164.88   | 41.29    | 3.500    |
| %RSD      | .8647108 | .1616586 | .4790879 | .3903536 | .1069541 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1387.682 | 2445.987 | 34258.28 | 10531.71 | 3271.331 |
| #2 | 1409.460 | 2450.610 | 34587.10 | 10609.17 | 3276.154 |
| #3 | 1407.790 | 2442.740 | 34401.13 | 10595.26 | 3269.349 |

Sample Name: I6125-18      Acquired: 11/2/2017 23:16:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.260805 | .0015186 | .2067431 | .0015022 | .0032641 | 43.82240 | .2071910 |
| Stddev | .029765  | .0007140 | .0013975 | .0025257 | .0006966 | .07928   | .0002768 |
| %RSD   | .5657903 | 47.01744 | .6759797 | 168.1339 | 21.33973 | .1809174 | .1336170 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.237623 | .0007686 | .2069877 | .0043256 | .0040622 | 43.91390 | .2072641 |
| #2 | 5.250421 | .0021902 | .2052394 | .0007237 | .0027787 | 43.77929 | .2068849 |
| #3 | 5.294371 | .0015970 | .2080022 | -.000543 | .0029515 | 43.77402 | .2074240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019145 | -.001419 | 2.303892 | .0771721 | .0079949 | .0815814 | 45.69102 |
| Stddev | .0000900 | .000035  | .020321  | .0002181 | .0001722 | .0012413 | .20776   |
| %RSD   | 4.703874 | 2.486815 | .8820250 | .2826849 | 2.154294 | 1.521499 | .4547034 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020037 | -.001459 | 2.314131 | .0769355 | .0081640 | .0807421 | 45.66389 |
| #2 | .0019160 | -.001408 | 2.280488 | .0773654 | .0078197 | .0830073 | 45.49816 |
| #3 | .0018236 | -.001391 | 2.317056 | .0772154 | .0080011 | .0809949 | 45.91101 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1667645 | 2.841969 | .0331714 | -.006624 | .3679187 | .0990724 | .1428676 |
| Stddev | .0003960 | .018281  | .0004560 | .000146  | .0217514 | .0030780 | .0011062 |
| %RSD   | .2374750 | .6432508 | 1.374596 | 2.208110 | 5.912013 | 3.106799 | .7743104 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1663689 | 2.862738 | .0326450 | -.006756 | .3813689 | .0956244 | .1440855 |
| #2 | .1667636 | 2.828315 | .0334226 | -.006467 | .3428240 | .1000500 | .1425921 |
| #3 | .1671610 | 2.834855 | .0334464 | -.006650 | .3795632 | .1015429 | .1419250 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.975317 | .8382542 | -.057198 | .0020235 | .2065452 | 1.845759 | .0011749 |
| Stddev | .032325  | .0100497 | .000476  | .0001557 | .0045418 | .011504  | .0024257 |
| %RSD   | 3.314262 | 1.198885 | .8321514 | 7.692800 | 2.198952 | .6232445 | 206.4540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.00943 | .8410164 | -.057161 | .0020602 | .2090655 | 1.853776 | .0039282 |
| #2 | -.97138  | .8271123 | -.057692 | .0021575 | .2013020 | 1.832578 | .0002443 |
| #3 | -.94514  | .8466341 | -.056742 | .0018528 | .2092680 | 1.850923 | -.000648 |

Sample Name: I6125-18      Acquired: 11/2/2017 23:16:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4032328 | .0173399 | .0237123 |
| Stddev | .0010856 | .0004025 | .0000830 |
| %RSD   | .2692254 | 2.321097 | .3498927 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4038635 | .0177706 | .0237971 |
| #2 | .4019793 | .0172757 | .0237086 |
| #3 | .4038556 | .0169733 | .0236313 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1429.078 | 2442.030 | 34168.17 | 10483.39 | 3294.859 |
| Stddev    | 5.056    | 13.144   | 57.65    | 46.04    | 19.781   |
| %RSD      | .3538292 | .5382508 | .1687174 | .4391623 | .6003453 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1432.097 | 2453.766 | 34226.27 | 10441.30 | 3305.480 |
| #2 | 1423.240 | 2444.495 | 34110.99 | 10532.56 | 3307.061 |
| #3 | 1431.895 | 2427.827 | 34167.25 | 10476.32 | 3272.037 |

Sample Name: I6125-19      Acquired: 11/2/2017 23:21:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5318079 | .0000646 | .1394273 | -.002670 | .0030368 | 44.91952 | .1376217 |
| Stddev | .0006052 | .0012568 | .0016315 | .001479  | .0009891 | .29920   | .0004963 |
| %RSD   | .1138058 | 1944.847 | 1.170165 | 55.41747 | 32.56909 | .6660839 | .3606584 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5324673 | .0014105 | .1375464 | -.004372 | .0041538 | 45.12380 | .1374699 |
| #2 | .5316788 | -.001078 | .1402761 | -.001694 | .0026842 | 44.57608 | .1372190 |
| #3 | .5312776 | -.000138 | .1404595 | -.001943 | .0022723 | 45.05867 | .1381762 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018285 | -.001039 | 1.226506 | .0961565 | .0091876 | .0723506 | 65.35672 |
| Stddev | .0000153 | .000072  | .021767  | .0014319 | .0001818 | .0009853 | .31454   |
| %RSD   | .8354972 | 6.887735 | 1.774731 | 1.489128 | 1.979224 | 1.361890 | .4812629 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018363 | -.001008 | 1.217159 | .0969528 | .0089963 | .0721362 | 65.23145 |
| #2 | .0018384 | -.001121 | 1.210973 | .0970133 | .0092082 | .0734255 | 65.12411 |
| #3 | .0018109 | -.000989 | 1.251385 | .0945035 | .0093582 | .0714901 | 65.71459 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1477950 | 1.395583 | .0273757 | -.009149 | .3624581 | .1646329 | .0393407 |
| Stddev | .0015976 | .015728  | .0006312 | .000543  | .0268942 | .0011068 | .0042033 |
| %RSD   | 1.080974 | 1.126984 | 2.305694 | 5.939011 | 7.419950 | .6722596 | 10.68439 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1480587 | 1.377908 | .0278862 | -.009517 | .3704925 | .1658950 | .0440836 |
| #2 | .1460819 | 1.408035 | .0266700 | -.009406 | .3844194 | .1638279 | .0378617 |
| #3 | .1492444 | 1.400807 | .0275710 | -.008525 | .3324623 | .1641758 | .0360768 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.506402 | .5861373 | -.081756 | .0027502 | .6981746 | 9.234825 | .0056552 |
| Stddev | .028183  | .0073497 | .000970  | .0001143 | .0038750 | .024479  | .0011236 |
| %RSD   | 5.565436 | 1.253920 | 1.186679 | 4.154958 | .5550144 | .2650775 | 19.86784 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.514122 | .5846524 | -.082808 | .0026392 | .6981064 | 9.244421 | .0069492 |
| #2 | -.529921 | .5941160 | -.080896 | .0028675 | .7020832 | 9.207001 | .0049261 |
| #3 | -.475163 | .5796434 | -.081564 | .0027439 | .6943342 | 9.253052 | .0050905 |



Sample Name: I6125-19      Acquired: 11/2/2017 23:21:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6722298 | .0102841 | .0153425 |
| Stddev | .0034569 | .0003850 | .0000632 |
| %RSD   | .5142402 | 3.743649 | .4116284 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6756306 | .0099728 | .0154049 |
| #2 | .6687194 | .0107146 | .0152786 |
| #3 | .6723395 | .0101649 | .0153442 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1441.413 | 2478.933 | 34666.29 | 10696.72 | 3298.607 |
| Stddev    | 12.804   | 2.187    | 343.68   | 73.05    | 1.049    |
| %RSD      | .8882635 | .0882252 | .9914034 | .6829300 | .0317970 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1443.130 | 2478.421 | 34471.26 | 10732.64 | 3299.323 |
| #2 | 1427.838 | 2481.331 | 34464.49 | 10744.86 | 3297.403 |
| #3 | 1453.271 | 2477.047 | 35063.12 | 10612.67 | 3299.095 |

Sample Name: I6125-20      Acquired: 11/2/2017 23:25:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0162218 | .0007566 | .0672349 | -.001183 | .0014252 | 57.01157 | .1102421 |
| Stddev | .0020870 | .0018290 | .0018973 | .002095  | .0005261 | .08664   | .0003680 |
| %RSD   | 12.86517 | 241.7210 | 2.821955 | 177.0508 | 36.91576 | .1519721 | .3337942 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0184598 | -.000182 | .0689221 | .001007  | .0019245 | 56.97651 | .1105130 |
| #2 | .0158766 | -.000413 | .0676016 | -.003167 | .0008758 | 57.11025 | .1103901 |
| #3 | .0143290 | .002864  | .0651810 | -.001389 | .0014751 | 56.94796 | .1098231 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016554 | -.001079 | 1.108594 | .1173312 | .0044370 | .0380309 | 63.50434 |
| Stddev | .0001115 | .000100  | .015789  | .0002581 | .0001069 | .0003031 | .12023   |
| %RSD   | 6.735011 | 9.266157 | 1.424203 | .2199476 | 2.408135 | .7969557 | .1893247 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016556 | -.001164 | 1.093637 | .1172760 | .0045544 | .0383747 | 63.62243 |
| #2 | .0017669 | -.000969 | 1.107047 | .1171052 | .0043454 | .0378022 | 63.50851 |
| #3 | .0015439 | -.001105 | 1.125100 | .1176124 | .0044114 | .0379157 | 63.38208 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0639525 | .6914761 | .0289754 | -.008874 | .4642876 | .1991384 | -.009567 |
| Stddev | .0005062 | .0086488 | .0007398 | .000336  | .0421459 | .0048227 | .003571  |
| %RSD   | .7915915 | 1.250781 | 2.553304 | 3.783086 | 9.077540 | 2.421755 | 37.32893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0642535 | .6815064 | .0292309 | -.008486 | .4156330 | .2019699 | -.011072 |
| #2 | .0642360 | .6959542 | .0295535 | -.009061 | .4877060 | .2018754 | -.012140 |
| #3 | .0633680 | .6969676 | .0281416 | -.009074 | .4895238 | .1935700 | -.005490 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.522833 | .6079851 | -.079192 | .0029299 | .9231838 | 9.679168 | .0067671 |
| Stddev | .008992  | .0092632 | .000112  | .0001112 | .0043687 | .056947  | .0019730 |
| %RSD   | 1.719882 | 1.523590 | .1417435 | 3.793821 | .4732234 | .5883462 | 29.15547 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.528780 | .6170927 | -.079187 | .0028780 | .9266939 | 9.741086 | .0056885 |
| #2 | -.512488 | .6082890 | -.079083 | .0030575 | .9245665 | 9.667382 | .0055686 |
| #3 | -.527231 | .5985737 | -.079307 | .0028542 | .9182910 | 9.629036 | .0090443 |

Sample Name: I6125-20      Acquired: 11/2/2017 23:25:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6094766 | .0057261 | .0136681 |
| Stddev | .0010879 | .0005814 | .0000795 |
| %RSD   | .1785047 | 10.15331 | .5815071 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6106299 | .0053225 | .0136747 |
| #2 | .6093314 | .0063925 | .0137442 |
| #3 | .6084686 | .0054633 | .0135856 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1406.209 | 2442.373 | 34064.96 | 10481.52 | 3242.833 |
| Stddev    | 1.889    | 27.796   | 57.87    | 41.10    | 34.691   |
| %RSD      | .1343382 | 1.138094 | .1698943 | .3920900 | 1.069765 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1404.513 | 2426.619 | 34076.33 | 10436.54 | 3225.718 |
| #2 | 1405.869 | 2426.031 | 34002.24 | 10490.92 | 3220.026 |
| #3 | 1408.245 | 2474.467 | 34116.30 | 10517.11 | 3282.756 |

Sample Name: I6125-21      Acquired: 11/2/2017 23:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7990632 | -.001677 | .1193790 | -.001480 | .0030203 | 35.01639 | .1260507 |
| Stddev | .0038034 | .000713  | .0009734 | .002508  | .0017888 | .09603   | .0001203 |
| %RSD   | .4759765 | 42.52262 | .8153416 | 169.4555 | 59.22516 | .2742359 | .0954721 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8018572 | -.000856 | .1205029 | -.003462 | .0034794 | 35.03723 | .1259790 |
| #2 | .8006005 | -.002035 | .1188115 | -.002317 | .0010467 | 34.91166 | .1259835 |
| #3 | .7947318 | -.002141 | .1188225 | .001339  | .0045349 | 35.10029 | .1261897 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013601 | -.000788 | 1.559256 | .0944027 | .0058886 | .0619350 | 41.58623 |
| Stddev | .0000701 | .000035  | .006559  | .0009306 | .0002671 | .0011163 | .28697   |
| %RSD   | 5.157843 | 4.435891 | .4206743 | .9857687 | 4.535386 | 1.802323 | .6900653 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014216 | -.000813 | 1.552722 | .0952978 | .0061893 | .0631462 | 41.52248 |
| #2 | .0012837 | -.000748 | 1.565840 | .0944699 | .0056789 | .0609475 | 41.89971 |
| #3 | .0013749 | -.000803 | 1.559205 | .0934403 | .0057975 | .0617115 | 41.33649 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0932027 | 1.457451 | .0275261 | -.005384 | .4008784 | .1161303 | .0738962 |
| Stddev | .0011281 | .031514  | .0001830 | .000382  | .0711205 | .0028168 | .0037200 |
| %RSD   | 1.210344 | 2.162280 | .6647803 | 7.089769 | 17.74117 | 2.425574 | 5.034070 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0922679 | 1.451635 | .0274027 | -.005043 | .3305743 | .1133490 | .0705219 |
| #2 | .0944557 | 1.491468 | .0274392 | -.005796 | .4727882 | .1189814 | .0778853 |
| #3 | .0928845 | 1.429250 | .0277363 | -.005313 | .3992727 | .1160605 | .0732815 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.712281 | .5135445 | -.051399 | .0019632 | .1723243 | 7.645680 | .0074600 |
| Stddev | .061925  | .0067937 | .001275  | .0001195 | .0006578 | .048262  | .0025463 |
| %RSD   | 8.693856 | 1.322901 | 2.479708 | 6.086371 | .3817406 | .6312385 | 34.13338 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.701610 | .5061423 | -.052403 | .0018297 | .1719541 | 7.650806 | .0074218 |
| #2 | -.656385 | .5149963 | -.051829 | .0020600 | .1719350 | 7.691175 | .0100252 |
| #3 | -.778848 | .5194950 | -.049965 | .0020000 | .1730838 | 7.595060 | .0049329 |

Sample Name: I6125-21      Acquired: 11/2/2017 23:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EB9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6093325 | .0075939 | .0167972 |
| Stddev | .0012303 | .0005337 | .0000518 |
| %RSD   | .2019047 | 7.027873 | .3082269 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6081425 | .0075173 | .0168496 |
| #2 | .6105994 | .0071027 | .0167460 |
| #3 | .6092555 | .0081618 | .0167958 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1422.278 | 2452.390 | 34610.43 | 10578.05 | 3309.712 |
| Stddev    | 5.792    | 7.545    | 95.91    | 81.60    | 14.903   |
| %RSD      | .4072148 | .3076469 | .2771010 | .7713637 | .4502815 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1428.700 | 2451.918 | 34585.14 | 10586.49 | 3318.499 |
| #2 | 1417.450 | 2460.159 | 34529.70 | 10492.56 | 3318.133 |
| #3 | 1420.686 | 2445.091 | 34716.44 | 10655.09 | 3292.505 |

Sample Name: I6161-01      Acquired: 11/2/2017 23:33:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0262332 | .0013225 | .1147566 | .0005027 | .0016604 | 29.83246 | .1649019 |
| Stddev | .0018090 | .0007491 | .0007430 | .0007837 | .0014112 | .07430   | .0002233 |
| %RSD   | 6.895911 | 56.64400 | .6474394 | 155.9124 | 84.99034 | .2490657 | .1354055 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0282986 | .0004999 | .1156145 | .0012576 | .0008340 | 29.90296 | .1647751 |
| #2 | .0254708 | .0019656 | .1143202 | .0005573 | .0008574 | 29.75487 | .1647710 |
| #3 | .0249301 | .0015021 | .1143352 | -.000307 | .0032899 | 29.83954 | .1651597 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021456 | .0002225 | 7.027149 | .0505557 | .0028242 | .0293248 | 25.55021 |
| Stddev | .0000734 | .0001221 | .009036  | .0002536 | .0002456 | .0003703 | .04195   |
| %RSD   | 3.421579 | 54.87357 | .1285867 | .5015435 | 8.697550 | 1.262688 | .1641886 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020669 | .0000867 | 7.033505 | .0502935 | .0030887 | .0297089 | 25.58390 |
| #2 | .0022122 | .0003231 | 7.031137 | .0505740 | .0026032 | .0289701 | 25.56352 |
| #3 | .0021578 | .0002576 | 7.016805 | .0507996 | .0027808 | .0292954 | 25.50323 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2497185 | 4.733289 | .0183989 | -.003870 | .2256063 | .0823644 | .1471732 |
| Stddev | .0023611 | .038585  | .0004649 | .000281  | .0143160 | .0050764 | .0033820 |
| %RSD   | .9455049 | .8151837 | 2.526704 | 7.264493 | 6.345553 | 6.163366 | 2.297963 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2518660 | 4.714134 | .0188852 | -.003593 | .2421287 | .0866680 | .1509384 |
| #2 | .2471901 | 4.777704 | .0179589 | -.003861 | .2168917 | .0767659 | .1443931 |
| #3 | .2500994 | 4.708030 | .0183525 | -.004155 | .2177985 | .0836593 | .1461882 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.60086 | .4280912 | -.029997 | .0009661 | .3196046 | 5.162798 | .0024684 |
| Stddev | .00142   | .0051047 | .001013  | .0002116 | .0027173 | .028405  | .0013347 |
| %RSD   | .0888641 | 1.192429 | 3.377062 | 21.89860 | .8501924 | .5501890 | 54.07309 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.60110 | .4273574 | -.028955 | .0009016 | .3175382 | 5.159073 | .0010112 |
| #2 | -1.59934 | .4233932 | -.030058 | .0007943 | .3185931 | 5.192882 | .0027622 |
| #3 | -1.60216 | .4335231 | -.030978 | .0012024 | .3226826 | 5.136440 | .0036317 |

Sample Name: I6161-01      Acquired: 11/2/2017 23:33:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6023964 | .0001787 | .0309324 |
| Stddev | .0014126 | .0005159 | .0000797 |
| %RSD   | .2344998 | 288.7735 | .2575550 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6038936 | .0001341 | .0310201 |
| #2 | .6022087 | .0007154 | .0308645 |
| #3 | .6010871 | -.000314 | .0309127 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1470.298 | 2552.544 | 35890.86 | 11051.42 | 3317.637 |
| Stddev    | 22.870   | 14.891   | 327.32   | 40.00    | 18.161   |
| %RSD      | 1.555437 | .5833712 | .9119885 | .3619092 | .5474122 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1459.164 | 2547.427 | 35792.21 | 11013.72 | 3314.371 |
| #2 | 1496.602 | 2569.319 | 36256.16 | 11093.37 | 3337.209 |
| #3 | 1455.127 | 2540.887 | 35624.21 | 11047.17 | 3301.330 |

Sample Name: I6161-02      Acquired: 11/2/2017 23:37:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0134815 | .0017973 | .1482705 | -.001641 | .0006965 | 42.58188 | .1091203 |
| Stddev | .0018099 | .0031113 | .0011551 | .001104  | .0002810 | .13390   | .0004498 |
| %RSD   | 13.42492 | 173.1082 | .7790229 | 67.23838 | 40.35329 | .3144510 | .4122446 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0137335 | .0047658 | .1477590 | -.001586 | .0006449 | 42.48540 | .1091507 |
| #2 | .0115588 | -.001439 | .1495930 | -.000566 | .0004447 | 42.52549 | .1086561 |
| #3 | .0151521 | .002066  | .1474596 | -.002771 | .0009997 | 42.73476 | .1095542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008974 | -.000939 | 1.127299 | .0795857 | .5831719 | .0813042 | 49.37130 |
| Stddev | .0000935 | .000078  | .006731  | .0001872 | .0024874 | .0005435 | .12385   |
| %RSD   | 10.42097 | 8.356328 | .5970582 | .2352423 | .4265306 | .6685306 | .2508600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008615 | -.000865 | 1.135007 | .0797851 | .5817998 | .0819153 | 49.30247 |
| #2 | .0010035 | -.001021 | 1.124304 | .0795581 | .5816728 | .0808746 | 49.51428 |
| #3 | .0008271 | -.000930 | 1.122585 | .0794138 | .5860432 | .0811228 | 49.29715 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.953269 | .5353109 | .0250909 | -.006767 | .1809790 | .1877902 | -.001362 |
| Stddev | .019246  | .0097258 | .0002882 | .000154  | .0572903 | .0008385 | .000626  |
| %RSD   | .1933647 | 1.816842 | 1.148515 | 2.274112 | 31.65576 | .4465290 | 45.95310 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.937964 | .5292164 | .0251799 | -.006711 | .2396392 | .1875093 | -.002026 |
| #2 | 9.974876 | .5301890 | .0247688 | -.006941 | .1781332 | .1887331 | -.001274 |
| #3 | 9.946967 | .5465271 | .0253242 | -.006649 | .1251647 | .1871282 | -.000784 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.42195 | .5178955 | -.064019 | .0216429 | .0312769 | 1.611606 | .0010583 |
| Stddev | .00654   | .0078276 | .000573  | .0004820 | .0025366 | .006756  | .0004733 |
| %RSD   | .4598402 | 1.511427 | .8943732 | 2.227249 | 8.110072 | .4192023 | 44.72497 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.42937 | .5137730 | -.063607 | .0219980 | .0285212 | 1.610588 | .0005861 |
| #2 | -1.41703 | .5129908 | -.063777 | .0210941 | .0335143 | 1.618813 | .0010561 |
| #3 | -1.41945 | .5269228 | -.064672 | .0218365 | .0317953 | 1.605416 | .0015327 |



Sample Name: I6161-02      Acquired: 11/2/2017 23:37:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3861709 | .0207288 | .0147322 |
| Stddev | .0018374 | .0003747 | .0000677 |
| %RSD   | .4758015 | 1.807441 | .4597624 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3850115 | .0203519 | .0146716 |
| #2 | .3852117 | .0207332 | .0147197 |
| #3 | .3882894 | .0211012 | .0148053 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1430.676 | 2478.491 | 34540.87 | 10546.46 | 3307.540 |
| Stddev    | 7.606    | 11.509   | 30.55    | 39.33    | 14.304   |
| %RSD      | .5316319 | .4643403 | .0884583 | .3728803 | .4324665 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.062 | 2475.943 | 34520.31 | 10550.79 | 3310.247 |
| #2 | 1436.466 | 2491.060 | 34526.33 | 10505.15 | 3320.296 |
| #3 | 1433.501 | 2468.470 | 34575.98 | 10583.44 | 3292.075 |

Sample Name: CCV033      Acquired: 11/2/2017 23:41:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV033      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.919578 | 4.758176 | 24.96443 | 4.750037 | 4.819706 | F 286.3737 |
| Stddev | .037823  | .037655  | .10967   | .032217  | .025476  | 3.8880     |
| %RSD   | .7688227 | .7913650 | .4393245 | .6782471 | .5285899 | 1.357678   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.881506 | 4.770516 | 24.92815 | 4.733957 | 4.797073 | 281.9442 |
| #2 | 4.920082 | 4.715900 | 24.87749 | 4.729025 | 4.814748 | 289.2221 |
| #3 | 4.957147 | 4.788113 | 25.08764 | 4.787129 | 4.847297 | 287.9549 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.814063 | .4930398 | 2.469001 | F 321.8111 | 15.04933 | 2.477580 |
| Stddev | .140471  | .0062181 | .007343  | 3.6352     | .03816   | .004972  |
| %RSD   | 1.431326 | 1.261184 | .2974187 | 1.129620   | .2535606 | .2006605 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.654845 | .4864063 | 2.463562 | 317.7748 | 15.06056 | 2.476861 |
| #2 | 9.866849 | .4987363 | 2.466086 | 322.8313 | 15.08061 | 2.473007 |
| #3 | 9.920494 | .4939767 | 2.477354 | 324.8272 | 15.00681 | 2.482872 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.89640 | F 307.3423 | 14.82665 | F 320.8200 | 2.450372 | 1.271285 |
| Stddev | .15375   | 3.8981     | .20203   | 4.1403     | .006012  | .001116  |
| %RSD   | 1.032117 | 1.268335   | 1.362600 | 1.290537   | .2453346 | .0878132 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.72108 | 302.9944 | 14.59918 | 316.2055 | 2.447621 | 1.272383 |
| #2 | 14.95985 | 308.5076 | 14.89557 | 322.0447 | 2.446227 | 1.270151 |
| #3 | 15.00827 | 310.5249 | 14.98520 | 324.2098 | 2.457266 | 1.271322 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 288.1568 | 2.439106 | 15.64288 | 148.0979 | 5.153998 | 4.629110 |
| Stddev | 3.3235     | .018670  | .06126   | 1.5189   | .056614  | .054472  |
| %RSD   | 1.153382   | .7654439 | .3915994 | 1.025583 | 1.098440 | 1.176722 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 284.5836 | 2.417820 | 15.62560 | 146.3548 | 5.197489 | 4.570499 |
| #2 | 288.7308 | 2.446792 | 15.59212 | 148.8023 | 5.089985 | 4.678183 |
| #3 | 291.1559 | 2.452706 | 15.71092 | 149.1367 | 5.174519 | 4.638646 |

Sample Name: CCV033      Acquired: 11/2/2017 23:41:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV033      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.707837 | 5.019793 | 4.892074 | 4.598142 | 4.991521 | 4.938858 |
| Stddev | .019686  | .040440  | .051761  | .009108  | .040217  | .036878  |
| %RSD   | .4181452 | .8056093 | 1.058063 | .1980698 | .8057128 | .7466960 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.691675 | 5.002133 | 4.840359 | 4.589180 | 4.945406 | 4.897694 |
| #2 | 4.702075 | 4.991186 | 4.943882 | 4.597857 | 5.009839 | 4.950002 |
| #3 | 4.729760 | 5.066059 | 4.891982 | 4.607388 | 5.019319 | 4.968880 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.930650 |
| Stddev | .042595  |
| %RSD   | .8638763 |

|    |          |
|----|----------|
| #1 | 4.884792 |
| #2 | 4.968978 |
| #3 | 4.938179 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1126.822 | 1966.620 | 28375.26 | 9574.510 | 2359.353 |
| Stddev    | 2.575    | 8.720    | 76.41    | 102.689  | 13.751   |
| %RSD      | .2284799 | .4434165 | .2692855 | 1.072521 | .5828445 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1128.164 | 1967.559 | 28356.26 | 9693.061 | 2355.580 |
| #2 | 1128.447 | 1974.833 | 28459.38 | 9517.271 | 2374.597 |
| #3 | 1123.853 | 1957.468 | 28310.15 | 9513.197 | 2347.883 |

Sample Name: CCB033      Acquired: 11/2/2017 23:45:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB033      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016257 | -.000130 | .0002789 | -.001100 | -.000930 | .0017988 | .0002649 |
| Stddev | .0020086 | .001482  | .0007542 | .001557  | .000775  | .0008134 | .0003349 |
| %RSD   | 123.5565 | 1140.620 | 270.4463 | 141.5203 | 83.27410 | 45.21629 | 126.4315 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0039448 | -.001837 | -.000470 | .000582  | -.001272 | .0019885 | .0006505 |
| #2 | .0004903 | .000826  | .001039  | -.001391 | -.000043 | .0009074 | .0000465 |
| #3 | .0004418 | .000620  | .000268  | -.002492 | -.001475 | .0025005 | .0000977 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000045 | -.000139 | .0028794 | .0005653 | -.000050 | .0002603 | .0056344 |
| Stddev | .000058  | .000034  | .0077255 | .0005045 | .000080  | .0004008 | .0048411 |
| %RSD   | 130.0052 | 24.20386 | 268.2992 | 89.24775 | 160.2980 | 153.9970 | 85.92133 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000022  | -.000174 | .0108782 | -.000006 | -.000093 | -.000025 | .0102523 |
| #2 | -.000084 | -.000136 | .0023004 | .000952  | -.000098 | .000718  | .0060535 |
| #3 | -.000072 | -.000107 | -.004540 | .000750  | .000042  | .000088  | .0005973 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001664 | .0118555 | .0003864 | -.000117 | .1060531 | -.000154 | -.004252 |
| Stddev | .0000762 | .0055072 | .0000514 | .000313  | .0927030 | .002121  | .004774  |
| %RSD   | 45.82181 | 46.45286 | 13.30471 | 267.5178 | 87.41187 | 1376.725 | 112.2721 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001644 | .0181716 | .0004062 | -.000366 | .0281228 | .001980  | -.003936 |
| #2 | .0000912 | .0093372 | .0003281 | -.000220 | .2085714 | -.002261 | .000356  |
| #3 | .0002436 | .0080577 | .0004250 | .000235  | .0814651 | -.000181 | -.009176 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.137185 | .0012166 | .0016434 | .0005021 | .0158214 | -.005115 | -.000241 |
| Stddev | .041720  | .0019056 | .0005726 | .0000883 | .0014977 | .000127  | .002002  |
| %RSD   | 30.41166 | 156.6235 | 34.84376 | 17.58825 | 9.466571 | 2.491883 | 831.4118 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.102140 | .0034063 | .0015462 | .0005763 | .0154274 | -.005109 | .001958  |
| #2 | -.183334 | -.000066 | .0011256 | .0005256 | .0145600 | -.004990 | -.001958 |
| #3 | -.126080 | .000310  | .0022584 | .0004044 | .0174767 | -.005245 | -.000722 |

Sample Name: CCB033      Acquired: 11/2/2017 23:45:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB033      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002272 | -.002852 | -.000210 |
| Stddev | .0001300 | .000321  | .000017  |
| %RSD   | 57.21367 | 11.26965 | 7.878178 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0001074 | -.002610 | -.000192 |
| #2 | .0002088 | -.002729 | -.000212 |
| #3 | .0003655 | -.003217 | -.000225 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1426.705 | 2481.973 | 34618.22 | 10215.45 | 3543.402 |
| Stddev    | 10.275   | 15.161   | 64.79    | 19.87    | 16.928   |
| %RSD      | .7201611 | .6108559 | .1871445 | .1945293 | .4777321 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1417.856 | 2477.743 | 34564.21 | 10198.63 | 3545.385 |
| #2 | 1424.286 | 2498.800 | 34600.41 | 10237.38 | 3559.251 |
| #3 | 1437.974 | 2469.376 | 34690.05 | 10210.35 | 3525.570 |

Sample Name: I6161-03      Acquired: 11/2/2017 23:50:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0138968 | .0014939 | .0853829 | -.002890 | .0005067 | 55.45536 | .1146353 |
| Stddev | .0021197 | .0010273 | .0001523 | .003048  | .0005167 | .07880   | .0007140 |
| %RSD   | 15.25340 | 68.76665 | .1783881 | 105.4689 | 101.9801 | .1420905 | .6228176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0127272 | .0004937 | .0852265 | -.000492 | .0008959 | 55.54482 | .1143318 |
| #2 | .0126195 | .0014417 | .0855307 | -.006321 | -.000080 | 55.39624 | .1141232 |
| #3 | .0163436 | .0025463 | .0853916 | -.001858 | .000704  | 55.42503 | .1154509 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015039 | -.001106 | 5.212138 | .1099305 | .0471416 | .0455099 | 65.74466 |
| Stddev | .0000245 | .000020  | .052517  | .0009144 | .0001576 | .0016779 | .45791   |
| %RSD   | 1.625930 | 1.807088 | 1.007586 | .8318357 | .3343603 | 3.686876 | .6964960 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014812 | -.001112 | 5.185562 | .1093760 | .0470193 | .0470008 | 65.40185 |
| #2 | .0015009 | -.001122 | 5.178221 | .1094295 | .0470861 | .0458361 | 65.56745 |
| #3 | .0015298 | -.001084 | 5.272631 | .1109859 | .0473195 | .0436929 | 66.26469 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.158910 | 1.026436 | .0317502 | -.009258 | .2871444 | .1872453 | -.016237 |
| Stddev | .007813  | .025362  | .0003731 | .000382  | .0637424 | .0013262 | .006211  |
| %RSD   | .6741376 | 2.470841 | 1.175081 | 4.123310 | 22.19871 | .7082692 | 38.24876 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.153197 | 1.025269 | .0318134 | -.008943 | .2776668 | .1886288 | -.022655 |
| #2 | 1.155720 | 1.001678 | .0320877 | -.009683 | .3550949 | .1859849 | -.010257 |
| #3 | 1.167813 | 1.052361 | .0313495 | -.009149 | .2286715 | .1871222 | -.015800 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.867674 | .5884750 | -.078111 | .0048470 | .3160417 | 7.475531 | .0050127 |
| Stddev | .029816  | .0041754 | .000402  | .0002906 | .0045423 | .044216  | .0022214 |
| %RSD   | 3.436362 | .7095320 | .5142645 | 5.996600 | 1.437251 | .5914795 | 44.31558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.888884 | .5904659 | -.078047 | .0048068 | .3118696 | 7.467325 | .0074908 |
| #2 | -.833582 | .5912824 | -.077745 | .0045785 | .3208805 | 7.435992 | .0032000 |
| #3 | -.880555 | .5836768 | -.078541 | .0051556 | .3153749 | 7.523275 | .0043474 |

Sample Name: I6161-03      Acquired: 11/2/2017 23:50:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EG0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5199632 | .0100550 | .0373677 |
| Stddev | .0035414 | .0004209 | .0000210 |
| %RSD   | .6810823 | 4.185802 | .0562453 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5224432 | .0101839 | .0373552 |
| #2 | .5215390 | .0095847 | .0373920 |
| #3 | .5159075 | .0103964 | .0373559 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1435.578 | 2463.542 | 34597.48 | 10682.87 | 3252.011 |
| Stddev    | 10.524   | 11.950   | 47.76    | 58.00    | 11.926   |
| %RSD      | .7330902 | .4850655 | .1380445 | .5428922 | .3667235 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1423.583 | 2473.577 | 34543.36 | 10673.76 | 3259.226 |
| #2 | 1443.266 | 2466.727 | 34615.35 | 10744.89 | 3258.561 |
| #3 | 1439.884 | 2450.323 | 34633.73 | 10629.97 | 3238.245 |

Sample Name: I6161-04      Acquired: 11/2/2017 23:54:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0234501 | -.016813 | 2.146262 | -.014980 | .0077376 | 37.14805 |
| Stddev | .0019490 | .003945  | .000758  | .002508  | .0042305 | .01219   |
| %RSD   | 8.311201 | 23.46421 | .0353318 | 16.74159 | 54.67487 | .0328092 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0223759 | -.012293 | 2.145709 | -.012944 | .0087010 | 37.15110 |
| #2 | .0256998 | -.019562 | 2.145950 | -.017782 | .0114034 | 37.15841 |
| #3 | .0222746 | -.018584 | 2.147126 | -.014214 | .0031085 | 37.13462 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .1647786 | .0046924 | .0084666 | F 921.6834 | .1133364 | .0310543 |
| Stddev | .0008782 | .0001132 | .0000536 | 3.6519     | .0006341 | .0006454 |
| %RSD   | .5329786 | 2.412495 | .6335985 | .3962177   | .5594885 | 2.078134 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1655640 | .0046008 | .0084319 | 925.0852 | .1126105 | .0315515 |
| #2 | .1649416 | .0046575 | .0084395 | 922.1406 | .1136163 | .0303250 |
| #3 | .1638304 | .0048189 | .0085284 | 917.8245 | .1137824 | .0312865 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1579912 | 192.1203 | 1.063876 | 485.8414 | .1255999 | -.032543 |
| Stddev | .0027223 | .6020    | .003226  | 1.5205   | .0009882 | .000515  |
| %RSD   | 1.723096 | .3133561 | .3031835 | .3129640 | .7868200 | 1.583896 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1595982 | 192.8133 | 1.067564 | 487.5969 | .1250508 | -.032830 |
| #2 | .1595275 | 191.7262 | 1.061585 | 484.9927 | .1250080 | -.031948 |
| #3 | .1548480 | 191.8215 | 1.062478 | 484.9348 | .1267407 | -.032851 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5610958 | .4471771 | 1.403911 | -.671586 | 3.036202 | -.245071 |
| Stddev | .0631537 | .0007065 | .022481  | .015548  | .024452  | .001508  |
| %RSD   | 11.25541 | .1579835 | 1.601284 | 2.315060 | .8053476 | .6154197 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4920653 | .4471097 | 1.413695 | -.671315 | 3.053585 | -.243701 |
| #2 | .6159698 | .4465068 | 1.378197 | -.687268 | 3.008242 | -.246687 |
| #3 | .5752522 | .4479149 | 1.419842 | -.656176 | 3.046779 | -.244825 |



Sample Name: I6161-04      Acquired: 11/2/2017 23:54:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087510 | 5.004812 | 4.897384 | .0140324 | .7818781 | .0208555 |
| Stddev | .0002854 | .024748  | .010493  | .0052282 | .0034720 | .0002409 |
| %RSD   | 3.261353 | .4944800 | .2142673 | 37.25843 | .4440641 | 1.155071 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0090805 | 4.983016 | 4.902052 | .0080723 | .7821377 | .0209275 |
| #2 | .0085905 | 4.999704 | 4.904734 | .0161798 | .7852130 | .0210522 |
| #3 | .0085819 | 5.031715 | 4.885367 | .0178449 | .7782835 | .0205868 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .9370029 |
| Stddev | .0018977 |
| %RSD   | .2025308 |

|    |          |
|----|----------|
| #1 | .9384512 |
| #2 | .9377028 |
| #3 | .9348546 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1129.546 | 1962.349 | 28414.18 | 9686.451 | 2326.107 |
| Stddev    | 4.663    | 14.478   | 109.69   | 15.193   | 8.291    |
| %RSD      | .4128064 | .7377761 | .3860563 | .1568525 | .3564137 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1125.000 | 1970.335 | 28431.47 | 9684.952 | 2329.217 |
| #2 | 1134.317 | 1971.074 | 28514.21 | 9672.062 | 2332.393 |
| #3 | 1129.322 | 1945.637 | 28296.87 | 9702.338 | 2316.711 |

Sample Name: I6161-05      Acquired: 11/2/2017 23:58:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.016407 | -.012521 | .0870377 | -.024031 | .0106902 | 80.65218 |
| Stddev | .002197  | .004570  | .0018786 | .002660  | .0008094 | .25206   |
| %RSD   | 13.39091 | 36.49640 | 2.158416 | 11.06996 | 7.571393 | .3125242 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.015742 | -.007632 | .0891886 | -.025540 | .0108779 | 80.79648 |
| #2 | -.014618 | -.016685 | .0857182 | -.020960 | .0098034 | 80.79892 |
| #3 | -.018859 | -.013246 | .0862064 | -.025594 | .0113892 | 80.36113 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .1183396 | .0093489 | -.004965 | F -4.06598 | .1828927 | .0566903 |
| Stddev | .0005759 | .0000648 | .000092  | .08955     | .0008402 | .0002571 |
| %RSD   | .4866443 | .6930040 | 1.858307 | 2.202446   | .4594091 | .4536057 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1183081 | .0092777 | -.005050 | -4.14666 | .1820057 | .0563981 |
| #2 | .1189305 | .0093642 | -.004867 | -4.08164 | .1836767 | .0567905 |
| #3 | .1177800 | .0094046 | -.004978 | -3.96963 | .1829958 | .0568822 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0428978 | 435.6809 | .7558538 | 1.258493 | .0666082 | -.063193 |
| Stddev | .0016426 | .3340    | .0053759 | .026561  | .0002757 | .000248  |
| %RSD   | 3.829181 | .0766702 | .7112331 | 2.110569 | .4139319 | .3931954 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0447904 | 435.7039 | .7501115 | 1.231469 | .0662905 | -.063108 |
| #2 | .0420599 | 436.0029 | .7607669 | 1.259444 | .0667491 | -.063473 |
| #3 | .0418431 | 435.3360 | .7566829 | 1.284566 | .0667850 | -.062998 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.092608 | .3249748 | -.085088 | -1.10290 | 2.958575 | -.555902 |
| Stddev | .095851  | .0024989 | .000798  | .01747   | .037948  | .004532  |
| %RSD   | 8.772692 | .7689507 | .9376890 | 1.584255 | 1.282640 | .8152740 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.199978 | .3278525 | -.084456 | -1.09951 | 2.973677 | -.560700 |
| #2 | 1.062187 | .3237200 | -.084824 | -1.12182 | 2.915401 | -.555314 |
| #3 | 1.015659 | .3233520 | -.085984 | -1.08737 | 2.986646 | -.551693 |

Sample Name: I6161-05      Acquired: 11/2/2017 23:58:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055673 | .3697498 | 2.698600 | .0256093 | .9810977 | .0130873 |
| Stddev | .0006358 | .0054295 | .008621  | .0007750 | .0013051 | .0002291 |
| %RSD   | 11.42101 | 1.468429 | .3194763 | 3.026406 | .1330218 | 1.750467 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0062569 | .3676130 | 2.696894 | .0247175 | .9816742 | .0132082 |
| #2 | .0050042 | .3657137 | 2.690959 | .0261206 | .9820153 | .0132307 |
| #3 | .0054407 | .3759226 | 2.707946 | .0259896 | .9796037 | .0128231 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0215619 |
| Stddev | .0000613 |
| %RSD   | .2843089 |

|    |          |
|----|----------|
| #1 | .0216044 |
| #2 | .0214916 |
| #3 | .0215897 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1397.684 | 2398.699 | 34026.87 | 10609.22 | 3064.318 |
| Stddev    | 17.751   | 12.948   | 136.92   | 20.02    | 6.030    |
| %RSD      | 1.270037 | .5397910 | .4023997 | .1886712 | .1967844 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1377.441 | 2385.135 | 33877.35 | 10605.82 | 3057.774 |
| #2 | 1405.023 | 2400.033 | 34057.14 | 10630.72 | 3065.528 |
| #3 | 1410.590 | 2410.928 | 34146.13 | 10591.12 | 3069.651 |

Sample Name: I6161-06      Acquired: 11/3/2017 00:02:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000541 | -.007994 | .2036290 | -.018930 | .0088036 | 77.13103 | .1930122 |
| Stddev | .003201  | .001436  | .0028864 | .001478  | .0015976 | .39504   | .0016596 |
| %RSD   | 591.9015 | 17.95851 | 1.417490 | 7.807455 | 18.14714 | .5121671 | .8598246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004154 | -.006401 | .2042762 | -.017279 | .0105835 | 77.44370 | .1932413 |
| #2 | .001938  | -.008391 | .2004740 | -.020129 | .0083337 | 77.26233 | .1945453 |
| #3 | .000594  | -.009189 | .2061369 | -.019383 | .0074937 | 76.68706 | .1912500 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0079351 | -.003756 | -2.54334 | .1653593 | .0413134 | .0475592 | 363.5711 |
| Stddev | .0002148 | .000155  | .13828   | .0009968 | .0005433 | .0011314 | 2.5134   |
| %RSD   | 2.707202 | 4.138180 | 5.437106 | .6027935 | 1.315076 | 2.378882 | .6913091 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0081181 | -.003671 | -2.40161 | .1642268 | .0410956 | .0488189 | 363.6072 |
| #2 | .0079886 | -.003936 | -2.67790 | .1657474 | .0409128 | .0472293 | 366.0663 |
| #3 | .0076986 | -.003661 | -2.55052 | .1661036 | .0419318 | .0466295 | 361.0399 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6463229 | 1.356939 | .0520788 | -.052668 | .9428865 | .3043890 | -.021499 |
| Stddev | .0032141 | .019424  | .0006288 | .000231  | .0780634 | .0018325 | .007601  |
| %RSD   | .4972826 | 1.431478 | 1.207318 | .4385756 | 8.279189 | .6020086 | 35.35795 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6489099 | 1.377194 | .0514686 | -.052429 | .9183318 | .3024160 | -.018502 |
| #2 | .6473339 | 1.355156 | .0520433 | -.052682 | .8800528 | .3047136 | -.030142 |
| #3 | .6427249 | 1.338468 | .0527246 | -.052891 | 1.030275 | .3060375 | -.015853 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.10590 | 2.655667 | -.457270 | .0045278 | .4841392 | 3.064547 | .0231205 |
| Stddev | .00880   | .026350  | .003060  | .0003480 | .0071127 | .031465  | .0037035 |
| %RSD   | .7961757 | .9922126 | .6692627 | 7.685974 | 1.469138 | 1.026727 | 16.01809 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.09798 | 2.664033 | -.460402 | .0048624 | .4911794 | 3.087100 | .0252150 |
| #2 | -1.11538 | 2.626150 | -.457121 | .0041678 | .4769562 | 3.077940 | .0253022 |
| #3 | -1.10434 | 2.676819 | -.454287 | .0045531 | .4842820 | 3.028602 | .0188444 |

Sample Name: I6161-06      Acquired: 11/3/2017 00:02:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9494417 | .0140681 | .0192891 |
| Stddev | .0048344 | .0000875 | .0000460 |
| %RSD   | .5091849 | .6218973 | .2382857 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9518745 | .0139726 | .0193166 |
| #2 | .9525764 | .0141444 | .0193147 |
| #3 | .9438741 | .0140872 | .0192361 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1399.894 | 2408.088 | 34115.38 | 10710.41 | 3079.402 |
| Stddev    | 3.390    | 14.298   | 79.19    | 81.11    | 20.418   |
| %RSD      | .2421649 | .5937604 | .2321362 | .7573274 | .6630528 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1397.653 | 2410.667 | 34204.46 | 10664.24 | 3089.639 |
| #2 | 1403.794 | 2420.921 | 34088.73 | 10662.94 | 3092.676 |
| #3 | 1398.236 | 2392.676 | 34052.95 | 10804.07 | 3055.891 |

Sample Name: I6161-07      Acquired: 11/3/2017 00:06:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108782 | .0028139 | .0753002 | -.005945 | .0038304 | 79.02718 | .1977230 |
| Stddev | .0026582 | .0032249 | .0017641 | .000571  | .0005653 | .07151   | .0004887 |
| %RSD   | 24.43584 | 114.6052 | 2.342802 | 9.601474 | 14.75831 | .0904905 | .2471815 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0088770 | -.000907 | .0740253 | -.005463 | .0040873 | 79.10945 | .1982589 |
| #2 | .0138943 | .004808  | .0773136 | -.006575 | .0031823 | 78.97990 | .1976080 |
| #3 | .0098631 | .004540  | .0745618 | -.005795 | .0042217 | 78.99220 | .1973019 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0037015 | -.001921 | 3.213034 | .1680669 | .0087769 | .0475877 | 136.1166 |
| Stddev | .0001042 | .000102  | .039374  | .0006840 | .0002273 | .0013268 | .9134    |
| %RSD   | 2.815480 | 5.312053 | 1.225439 | .4069699 | 2.590100 | 2.788209 | .6710666 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0038208 | -.001866 | 3.167732 | .1681979 | .0086246 | .0466341 | 135.0715 |
| #2 | .0036555 | -.001859 | 3.232359 | .1673270 | .0090382 | .0470260 | 136.7624 |
| #3 | .0036282 | -.002039 | 3.239012 | .1686760 | .0086679 | .0491030 | 136.5159 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0860830 | 1.581010 | .0317440 | -.019584 | .4263147 | .3634995 | -.024083 |
| Stddev | .0006838 | .010623  | .0005455 | .000018  | .0405400 | .0035710 | .003273  |
| %RSD   | .7943289 | .6719123 | 1.718452 | .0939230 | 9.509399 | .9823883 | 13.58996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0856112 | 1.569832 | .0322301 | -.019579 | .3795505 | .3613117 | -.020311 |
| #2 | .0857705 | 1.582224 | .0311541 | -.019604 | .4478738 | .3615665 | -.025780 |
| #3 | .0868671 | 1.590974 | .0318479 | -.019568 | .4515197 | .3676203 | -.026160 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.443961 | .7960666 | -.167906 | .0067035 | .3689567 | 1.617354 | .0107760 |
| Stddev | .033684  | .0126908 | .000962  | .0002646 | .0103480 | .003628  | .0021378 |
| %RSD   | 7.587149 | 1.594187 | .5731946 | 3.946767 | 2.804677 | .2243121 | 19.83840 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.482729 | .8107203 | -.167252 | .0069082 | .3767022 | 1.613818 | .0105656 |
| #2 | -.427302 | .7888229 | -.167454 | .0064047 | .3572044 | 1.621067 | .0130111 |
| #3 | -.421853 | .7886565 | -.169011 | .0067975 | .3729636 | 1.617175 | .0087511 |

Sample Name: I6161-07      Acquired: 11/3/2017 00:06:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EG4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6237833 | .0203376 | .0349631 |
| Stddev | .0005787 | .0003460 | .0000503 |
| %RSD   | .0927792 | 1.701390 | .1439070 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6231532 | .0200508 | .0350008 |
| #2 | .6242913 | .0207219 | .0349825 |
| #3 | .6239053 | .0202400 | .0349059 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1433.695 | 2464.109 | 34697.78 | 10793.92 | 3156.420 |
| Stddev    | 9.106    | 10.562   | 9.14     | 8.62     | 7.547    |
| %RSD      | .6351357 | .4286163 | .0263455 | .0798949 | .2391017 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1426.609 | 2475.681 | 34704.72 | 10796.32 | 3163.695 |
| #2 | 1443.966 | 2454.989 | 34701.19 | 10784.34 | 3156.937 |
| #3 | 1430.511 | 2461.657 | 34687.42 | 10801.08 | 3148.628 |

Sample Name: I6161-08      Acquired: 11/3/2017 00:10:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0150614 | .0029282 | .0790507 | -.008606 | .0039950 | 90.84512 | .1459167 |
| Stddev | .0002104 | .0032026 | .0024036 | .001961  | .0015553 | .23293   | .0003261 |
| %RSD   | 1.396881 | 109.3712 | 3.040562 | 22.79178 | 38.93126 | .2564082 | .2234758 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0151517 | .0032302 | .0763689 | -.006341 | .0045098 | 91.08316 | .1462895 |
| #2 | .0148209 | .0059691 | .0797724 | -.009758 | .0022475 | 90.61766 | .1457756 |
| #3 | .0152116 | -.000415 | .0810107 | -.009719 | .0052276 | 90.83453 | .1456848 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0029680 | -.002024 | 2.536169 | .1865096 | .0076312 | .0508391 | 126.2960 |
| Stddev | .0001410 | .000153  | .009816  | .0005670 | .0000889 | .0009769 | .4819    |
| %RSD   | 4.750186 | 7.541339 | .3870549 | .3040130 | 1.164537 | 1.921538 | .3815691 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031152 | -.002114 | 2.544039 | .1859998 | .0075292 | .0510149 | 126.6546 |
| #2 | .0029549 | -.002110 | 2.525170 | .1871203 | .0076727 | .0497862 | 125.7482 |
| #3 | .0028341 | -.001848 | 2.539300 | .1864088 | .0076917 | .0517162 | 126.4852 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0767284 | 1.214602 | .0310439 | -.018132 | .4424077 | .3428650 | -.048834 |
| Stddev | .0004461 | .001643  | .0004219 | .000095  | .0310434 | .0035292 | .001886  |
| %RSD   | .5814308 | .1353103 | 1.358998 | .5222715 | 7.016929 | 1.029336 | 3.861654 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0772323 | 1.213560 | .0305869 | -.018162 | .4774139 | .3394852 | -.046847 |
| #2 | .0765691 | 1.213749 | .0314185 | -.018209 | .4315845 | .3465267 | -.050599 |
| #3 | .0763838 | 1.216497 | .0311263 | -.018026 | .4182247 | .3425830 | -.049057 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.521400 | .9162970 | -.155797 | .0065959 | .5708635 | 1.878933 | .0084966 |
| Stddev | .040943  | .0147657 | .001338  | .0002288 | .0030422 | .012472  | .0018984 |
| %RSD   | 7.852562 | 1.611451 | .8587959 | 3.469346 | .5329118 | .6637785 | 22.34336 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.489334 | .8992746 | -.156668 | .0065367 | .5674402 | 1.893317 | .0105720 |
| #2 | -.567519 | .9256477 | -.156467 | .0068484 | .5718927 | 1.872355 | .0068477 |
| #3 | -.507346 | .9239686 | -.154256 | .0064024 | .5732577 | 1.871127 | .0080700 |



Sample Name: I6161-08      Acquired: 11/3/2017 00:10:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7155580 | .0180340 | .0282372 |
| Stddev | .0014773 | .0007034 | .0000505 |
| %RSD   | .2064504 | 3.900468 | .1789585 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7167651 | .0188447 | .0282829 |
| #2 | .7159982 | .0176717 | .0282460 |
| #3 | .7139107 | .0175857 | .0281829 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1441.546 | 2492.697 | 34728.63 | 10814.97 | 3184.383 |
| Stddev    | 4.521    | 10.306   | 162.72   | 77.45    | 13.051   |
| %RSD      | .3136544 | .4134412 | .4685411 | .7161454 | .4098384 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1436.363 | 2501.668 | 34578.70 | 10753.12 | 3194.262 |
| #2 | 1444.678 | 2494.982 | 34705.51 | 10901.84 | 3189.299 |
| #3 | 1443.599 | 2481.440 | 34901.67 | 10789.94 | 3169.588 |

Sample Name: I6161-09      Acquired: 11/3/2017 00:14:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0134343 | .0005995 | .0737114 | -.001675 | -.000172 | 46.60032 | .1118835 |
| Stddev | .0017564 | .0005187 | .0005152 | .001965  | .000607  | .19876   | .0006616 |
| %RSD   | 13.07390 | 86.52110 | .6989676 | 117.3006 | 352.4285 | .4265245 | .5913014 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0115207 | .0006276 | .0741358 | -.000414 | -.000863 | 46.82949 | .1126076 |
| #2 | .0149728 | .0011035 | .0731382 | -.003939 | .000069  | 46.47484 | .1113106 |
| #3 | .0138095 | .0000673 | .0738603 | -.000672 | .000277  | 46.49664 | .1117324 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012461 | -.001030 | 1.663220 | .0888307 | .0661523 | .0362123 | 51.09396 |
| Stddev | .0000363 | .000050  | .012290  | .0021133 | .0002092 | .0034450 | .20887   |
| %RSD   | 2.912922 | 4.876148 | .7389248 | 2.379035 | .3162461 | 9.513444 | .4087868 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012058 | -.001043 | 1.676760 | .0904223 | .0661550 | .0386259 | 51.25969 |
| #2 | .0012564 | -.000974 | 1.652769 | .0896368 | .0659418 | .0322670 | 50.85936 |
| #3 | .0012761 | -.001072 | 1.660132 | .0864330 | .0663602 | .0377439 | 51.16284 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.105897 | .7217659 | .0274721 | -.007350 | .1938598 | .1506984 | -.011483 |
| Stddev | .006946  | .0120448 | .0002048 | .000411  | .0625050 | .0021447 | .004521  |
| %RSD   | .6281221 | 1.668802 | .7453537 | 5.593095 | 32.24238 | 1.423140 | 39.36858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.112111 | .7274380 | .0273025 | -.007785 | .1477398 | .1528435 | -.011369 |
| #2 | 1.098398 | .7299276 | .0274141 | -.007298 | .2649987 | .1506974 | -.016059 |
| #3 | 1.107183 | .7079322 | .0276995 | -.006968 | .1688408 | .1485542 | -.007020 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.13101 | .5381597 | -.063382 | .0041967 | .1968071 | 3.604524 | .0038760 |
| Stddev | .01152   | .0059409 | .001068  | .0001541 | .0018123 | .037686  | .0012524 |
| %RSD   | 1.018651 | 1.103934 | 1.685606 | 3.671862 | .9208634 | 1.045510 | 32.31021 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.11816 | .5426934 | -.064480 | .0040843 | .1949242 | 3.647922 | .0033809 |
| #2 | -1.14042 | .5403515 | -.062346 | .0041334 | .1985394 | 3.580056 | .0029470 |
| #3 | -1.13444 | .5314343 | -.063320 | .0043723 | .1969576 | 3.585594 | .0053003 |

Sample Name: I6161-09      Acquired: 11/3/2017 00:14:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4658527 | .0054986 | .0245331 |
| Stddev | .0037584 | .0002475 | .0000322 |
| %RSD   | .8067819 | 4.501719 | .1310904 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4701074 | .0054621 | .0245613 |
| #2 | .4629846 | .0057624 | .0244981 |
| #3 | .4644662 | .0052714 | .0245399 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1425.373 | 2510.942 | 34645.49 | 10614.08 | 3347.271 |
| Stddev    | 28.608   | 11.120   | 754.85   | 45.64    | 10.638   |
| %RSD      | 2.007025 | .4428676 | 2.178771 | .4299587 | .3178163 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1398.625 | 2498.445 | 33940.55 | 10562.31 | 3335.500 |
| #2 | 1421.959 | 2519.747 | 34554.01 | 10648.49 | 3356.199 |
| #3 | 1455.534 | 2514.634 | 35441.91 | 10631.43 | 3350.112 |

Sample Name: I6161-10      Acquired: 11/3/2017 00:19:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3196420 | -.000015 | .9253804 | -.000870 | .0034286 | 25.49987 | .2979311 |
| Stddev | .0024628 | .000694  | .0054053 | .003319  | .0009456 | .01918   | .0004481 |
| %RSD   | .7704927 | 4651.391 | .5841151 | 381.4728 | 27.57974 | .0752155 | .1504172 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3188293 | .000781  | .9272613 | -.003353 | .0028366 | 25.52199 | .2980605 |
| #2 | .3224085 | -.000334 | .9192859 | .002900  | .0029301 | 25.48963 | .2983003 |
| #3 | .3176882 | -.000492 | .9295939 | -.002157 | .0045192 | 25.48798 | .2974325 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018440 | .0019857 | 7.641278 | .1492673 | .0089779 | .4320951 | 42.09193 |
| Stddev | .0001077 | .0000167 | .034109  | .0004052 | .0001528 | .0014456 | .17027   |
| %RSD   | 5.837899 | .8388007 | .4463742 | .2714288 | 1.701422 | .3345488 | .4045284 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019666 | .0019911 | 7.676540 | .1497344 | .0090135 | .4324906 | 42.12093 |
| #2 | .0017653 | .0019670 | 7.638840 | .1490549 | .0091098 | .4304930 | 42.24584 |
| #3 | .0017999 | .0019990 | 7.608454 | .1490124 | .0088106 | .4333018 | 41.90901 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4020794 | 2.465570 | .0339186 | -.005481 | .2519247 | .1106212 | .5854370 |
| Stddev | .0016110 | .015089  | .0002280 | .000176  | .0616604 | .0008675 | .0078780 |
| %RSD   | .4006617 | .6119701 | .6722726 | 3.217584 | 24.47571 | .7841700 | 1.345664 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4033069 | 2.474113 | .0338608 | -.005637 | .2129979 | .1113129 | .5806138 |
| #2 | .4026761 | 2.474449 | .0337250 | -.005515 | .3230169 | .1109028 | .5811692 |
| #3 | .4002552 | 2.448148 | .0341700 | -.005290 | .2197593 | .1096480 | .5945281 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.215822 | 3.073253 | -.044928 | .0049070 | 1.238275 | 2.696915 | .0313794 |
| Stddev | .008013  | .032048  | .000782  | .0001554 | .016326  | .002341  | .0008099 |
| %RSD   | 3.712712 | 1.042813 | 1.741169 | 3.166054 | 1.318487 | .0867849 | 2.581032 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.222459 | 3.043314 | -.044494 | .0047285 | 1.226331 | 2.698893 | .0321917 |
| #2 | -.218086 | 3.069387 | -.045831 | .0049807 | 1.231615 | 2.697523 | .0305719 |
| #3 | -.206921 | 3.107060 | -.044458 | .0050118 | 1.256878 | 2.694331 | .0313748 |

Sample Name: I6161-10      Acquired: 11/3/2017 00:19:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4415764 | .0077430 | .0591911 |
| Stddev | .0012080 | .0001105 | .0001151 |
| %RSD   | .2735639 | 1.426741 | .1943703 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4429596 | .0078318 | .0593085 |
| #2 | .4407292 | .0077779 | .0590786 |
| #3 | .4410403 | .0076193 | .0591862 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1424.708 | 2455.221 | 35099.18 | 10677.25 | 3319.464 |
| Stddev    | 3.623    | 12.901   | 85.39    | 28.47    | 14.360   |
| %RSD      | .2542903 | .5254635 | .2432870 | .2666342 | .4325872 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1426.388 | 2464.470 | 35006.78 | 10666.59 | 3327.056 |
| #2 | 1420.550 | 2460.709 | 35175.19 | 10655.65 | 3328.434 |
| #3 | 1427.185 | 2440.483 | 35115.57 | 10709.51 | 3302.903 |

Sample Name: I6161-11      Acquired: 11/3/2017 00:23:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6248124 | .0002740 | 1.178939 | -.001544 | .0033426 | 27.72978 | .2628056 |
| Stddev | .0062423 | .0017668 | .003887  | .001155  | .0010945 | .06576   | .0002325 |
| %RSD   | .9990642 | 644.8820 | .3296718 | 74.76538 | 32.74383 | .2371390 | .0884607 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6297425 | .0023064 | 1.176593 | -.002628 | .0020803 | 27.68882 | .2627358 |
| #2 | .6177936 | -.000895 | 1.176799 | -.001676 | .0040275 | 27.80563 | .2626160 |
| #3 | .6269010 | -.000589 | 1.183425 | -.000329 | .0039200 | 27.69489 | .2630650 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019675 | .0019525 | 4.027245 | .2154628 | .0086478 | .8555875 | 47.00605 |
| Stddev | .0000787 | .0000527 | .027739  | .0005711 | .0000224 | .0002085 | .32196   |
| %RSD   | 4.001333 | 2.699744 | .6887849 | .2650469 | .2585695 | .0243646 | .6849353 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020459 | .0019900 | 3.995302 | .2149805 | .0086515 | .8557134 | 46.69139 |
| #2 | .0018885 | .0018922 | 4.041173 | .2153145 | .0086681 | .8557023 | 46.99192 |
| #3 | .0019681 | .0019752 | 4.045260 | .2160934 | .0086238 | .8553469 | 47.33485 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2983279 | 2.116566 | .0368710 | -.006418 | .2786854 | .1401009 | .5150487 |
| Stddev | .0029564 | .004189  | .0002177 | .000169  | .0266983 | .0011444 | .0106422 |
| %RSD   | .9909824 | .1979046 | .5903518 | 2.625401 | 9.580102 | .8168473 | 2.066248 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2951883 | 2.114857 | .0366273 | -.006393 | .2976150 | .1389709 | .5134175 |
| #2 | .2987370 | 2.113501 | .0370461 | -.006264 | .2481480 | .1412592 | .5264122 |
| #3 | .3010585 | 2.121339 | .0369396 | -.006598 | .2902931 | .1400726 | .5053162 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.964030 | 1.616468 | -.053083 | .0039657 | .5087895 | 1.572754 | .0246187 |
| Stddev | .009408  | .016017  | .001007  | .0004634 | .0019137 | .012937  | .0002811 |
| %RSD   | .9758564 | .9908858 | 1.896527 | 11.68481 | .3761329 | .8225561 | 1.141825 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.953598 | 1.619359 | -.052449 | .0043705 | .5076380 | 1.562022 | .0247571 |
| #2 | -.971871 | 1.599202 | -.052557 | .0040664 | .5077319 | 1.569121 | .0242953 |
| #3 | -.966620 | 1.630843 | -.054244 | .0034602 | .5109986 | 1.587118 | .0248038 |

Sample Name: I6161-11      Acquired: 11/3/2017 00:23:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4529191 | .0081401 | .0516894 |
| Stddev | .0037401 | .0002685 | .0001389 |
| %RSD   | .8257809 | 3.298585 | .2687622 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4509743 | .0078386 | .0517828 |
| #2 | .4572309 | .0082285 | .0515298 |
| #3 | .4505521 | .0083534 | .0517558 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1417.188 | 2483.431 | 34809.86 | 10647.08 | 3342.647 |
| Stddev    | 10.821   | 16.866   | 136.94   | 30.76    | 15.005   |
| %RSD      | .7635338 | .6791453 | .3933948 | .2889390 | .4488942 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1407.783 | 2466.807 | 34651.89 | 10680.78 | 3329.979 |
| #2 | 1414.766 | 2500.529 | 34882.88 | 10639.93 | 3359.218 |
| #3 | 1429.014 | 2482.956 | 34894.82 | 10620.51 | 3338.745 |

Sample Name: I6161-12      Acquired: 11/3/2017 00:27:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7939465 | .0011556 | 1.282469 | -.003634 | .0051618 | 15.05443 | .1295174 |
| Stddev | .0051443 | .0017718 | .008742  | .000838  | .0008476 | .05884   | .0008511 |
| %RSD   | .6479365 | 153.3218 | .6816842 | 23.05665 | 16.42147 | .3908337 | .6571603 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7977484 | .0032016 | 1.277782 | -.004553 | .0061360 | 15.09696 | .1293661 |
| #2 | .7959982 | .0001301 | 1.277070 | -.002911 | .0047561 | 14.98729 | .1287520 |
| #3 | .7880930 | .0001352 | 1.292556 | -.003439 | .0045933 | 15.07906 | .1304340 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015166 | .0017146 | 1.206470 | .2095437 | .0081351 | 1.310817 | 61.22366 |
| Stddev | .0000462 | .0001146 | .010421  | .0002706 | .0001528 | .004317  | .23594   |
| %RSD   | 3.049683 | 6.682772 | .8637914 | .1291189 | 1.878035 | .3293421 | .3853710 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014638 | .0018387 | 1.207072 | .2098561 | .0081970 | 1.315731 | 61.06882 |
| #2 | .0015362 | .0016128 | 1.216577 | .2093826 | .0079611 | 1.307634 | 61.10696 |
| #3 | .0015499 | .0016923 | 1.195761 | .2093925 | .0082472 | 1.309086 | 61.49521 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2212540 | 1.029858 | .0509809 | -.008829 | .2445029 | .1159802 | .3473468 |
| Stddev | .0015334 | .020839  | .0006352 | .000281  | .0326473 | .0024615 | .0007884 |
| %RSD   | .6930413 | 2.023443 | 1.245855 | 3.185642 | 13.35253 | 2.122359 | .2269645 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2203301 | 1.036930 | .0504798 | -.008608 | .2230015 | .1142387 | .3478950 |
| #2 | .2204078 | 1.006403 | .0507675 | -.008734 | .2820699 | .1187963 | .3464433 |
| #3 | .2230240 | 1.046239 | .0516952 | -.009146 | .2284373 | .1149056 | .3477021 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.53330 | 1.099171 | -.076505 | .0162825 | .3504719 | 1.970190 | .0205944 |
| Stddev | .02342   | .006532  | .001389  | .0001335 | .0065894 | .012521  | .0012402 |
| %RSD   | 1.527159 | .5942946 | 1.815931 | .8201879 | 1.880161 | .6355344 | 6.022038 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.50703 | 1.094442 | -.075822 | .0164112 | .3481219 | 1.960884 | .0217745 |
| #2 | -1.55197 | 1.096447 | -.075590 | .0161446 | .3453797 | 1.965260 | .0207071 |
| #3 | -1.54091 | 1.106625 | -.078104 | .0162918 | .3579142 | 1.984426 | .0193017 |



Sample Name: I6161-12      Acquired: 11/3/2017 00:27:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EG9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3074783 | -.000514 | .0230232 |
| Stddev | .0020886 | .000208  | .0001322 |
| %RSD   | .6792551 | 40.44212 | .5742348 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3078318 | -.000275 | .0230228 |
| #2 | .3052355 | -.000656 | .0228912 |
| #3 | .3093675 | -.000610 | .0231556 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1442.473 | 2481.490 | 35249.40 | 10728.83 | 3398.194 |
| Stddev    | 7.458    | 7.204    | 36.76    | 49.06    | 16.359   |
| %RSD      | .5170159 | .2903201 | .1042885 | .4572919 | .4813960 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1441.231 | 2487.895 | 35263.46 | 10771.55 | 3406.362 |
| #2 | 1435.715 | 2482.884 | 35207.69 | 10739.70 | 3408.861 |
| #3 | 1450.475 | 2473.690 | 35277.07 | 10675.24 | 3379.360 |

Sample Name: I6161-13      Acquired: 11/3/2017 00:31:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5173576 | -.000089 | 1.147667 | -.000944 | .0019610 | 21.42716 | .2220654 |
| Stddev | .0057110 | .004198  | .008154  | .001324  | .0008521 | .01752   | .0005505 |
| %RSD   | 1.103873 | 4699.259 | .7105109 | 140.1737 | 43.44923 | .0817584 | .2479080 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5112083 | .000510  | 1.150310 | -.000655 | .0018270 | 21.43931 | .2226064 |
| #2 | .5183694 | -.004555 | 1.138519 | -.002389 | .0028722 | 21.40708 | .2215059 |
| #3 | .5224950 | .003777  | 1.154172 | .000211  | .0011839 | 21.43510 | .2220838 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015363 | .0024731 | 6.334064 | .2254587 | .0072938 | .8515428 | 44.23208 |
| Stddev | .0000316 | .0000893 | .027696  | .0011186 | .0000433 | .0026690 | .05520   |
| %RSD   | 2.059266 | 3.612263 | .4372608 | .4961399 | .5934850 | .3134347 | .1248062 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015237 | .0025093 | 6.344054 | .2261474 | .0073434 | .8508960 | 44.29227 |
| #2 | .0015723 | .0023713 | 6.302759 | .2260608 | .0072748 | .8544758 | 44.22015 |
| #3 | .0015129 | .0025387 | 6.355379 | .2241681 | .0072633 | .8492566 | 44.18381 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2813360 | 3.562108 | .0309995 | -.006129 | .3015783 | .1083274 | .4623393 |
| Stddev | .0006330 | .021330  | .0003940 | .000379  | .0561020 | .0041415 | .0082840 |
| %RSD   | .2250030 | .5988020 | 1.271096 | 6.187854 | 18.60280 | 3.823163 | 1.791761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2813211 | 3.539174 | .0307655 | -.005976 | .3552937 | .1107690 | .4605036 |
| #2 | .2819763 | 3.565798 | .0314544 | -.005849 | .3060802 | .1035455 | .4551272 |
| #3 | .2807105 | 3.581352 | .0307785 | -.006560 | .2433610 | .1106676 | .4713872 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.936209 | 1.992905 | -.052920 | .0029158 | .3978950 | 2.254515 | .0209058 |
| Stddev | .022058  | .037487  | .001478  | .0001924 | .0075987 | .006362  | .0023386 |
| %RSD   | 2.356089 | 1.881006 | 2.792087 | 6.598346 | 1.909724 | .2822070 | 11.18623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.932185 | 1.956834 | -.052986 | .0026991 | .3981255 | 2.258932 | .0232832 |
| #2 | -.916439 | 1.990219 | -.051410 | .0029818 | .3901838 | 2.257391 | .0208263 |
| #3 | -.960001 | 2.031663 | -.054363 | .0030666 | .4053759 | 2.247223 | .0186081 |

Sample Name: I6161-13      Acquired: 11/3/2017 00:31:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4448073 | .0052034 | .0434521 |
| Stddev | .0017821 | .0006221 | .0000740 |
| %RSD   | .4006442 | 11.95476 | .1702531 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4467460 | .0052794 | .0434439 |
| #2 | .4432405 | .0057840 | .0435298 |
| #3 | .4444355 | .0045469 | .0433826 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1418.584 | 2456.153 | 34815.14 | 10638.15 | 3357.604 |
| Stddev    | 4.069    | 11.894   | 50.72    | 44.02    | 15.236   |
| %RSD      | .2868022 | .4842458 | .1456868 | .4138386 | .4537757 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1416.550 | 2459.416 | 34781.92 | 10609.84 | 3362.808 |
| #2 | 1415.934 | 2466.074 | 34789.98 | 10615.75 | 3369.556 |
| #3 | 1423.269 | 2442.968 | 34873.52 | 10688.87 | 3340.448 |

Sample Name: I6161-14      Acquired: 11/3/2017 00:35:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0352720 | -.001349 | .0474692 | .0021899 | .0003275 | 44.89758 | .2084045 |
| Stddev | .0012991 | .002677  | .0011260 | .0010237 | .0008279 | .25282   | .0013186 |
| %RSD   | 3.683083 | 198.4691 | 2.372089 | 46.74820 | 252.7951 | .5631078 | .6326959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0338802 | -.003902 | .0466523 | .0011777 | .0002332 | 44.98289 | .2087342 |
| #2 | .0354833 | .001436  | .0470016 | .0021672 | .0011985 | 45.09671 | .2095269 |
| #3 | .0364524 | -.001580 | .0487536 | .0032248 | -.000449 | 44.61314 | .2069524 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014772 | -.000460 | 4.359381 | .0547424 | .0056610 | .0274771 | 25.77394 |
| Stddev | .0000875 | .000032  | .037706  | .0008443 | .0001469 | .0012525 | .17225   |
| %RSD   | 5.924567 | 6.926292 | .8649363 | 1.542377 | 2.595698 | 4.558211 | .6683129 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015027 | -.000491 | 4.320626 | .0551795 | .0055106 | .0287815 | 25.72802 |
| #2 | .0013797 | -.000463 | 4.395941 | .0537692 | .0056681 | .0273660 | 25.96450 |
| #3 | .0015491 | -.000427 | 4.361575 | .0552786 | .0058042 | .0262840 | 25.62931 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1771700 | 1.773013 | .0238352 | -.003998 | .2650321 | .0758876 | .0716025 |
| Stddev | .0018510 | .006472  | .0002047 | .000449  | .0461073 | .0005620 | .0009463 |
| %RSD   | 1.044783 | .3650533 | .8587078 | 11.24048 | 17.39689 | .7405445 | 1.321662 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1754805 | 1.776101 | .0240357 | -.004228 | .2697853 | .0756495 | .0712204 |
| #2 | .1791486 | 1.777363 | .0238435 | -.004285 | .3085786 | .0765294 | .0709070 |
| #3 | .1768809 | 1.765575 | .0236266 | -.003480 | .2167322 | .0754839 | .0726802 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.14817 | 2.959490 | -.027724 | .0018773 | .3710153 | 5.344641 | .0019817 |
| Stddev | .01427   | .018525  | .000116  | .0002460 | .0021816 | .009700  | .0046655 |
| %RSD   | 1.242883 | .6259673 | .4201896 | 13.10592 | .5880228 | .1814974 | 235.4308 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.13357 | 2.957541 | -.027820 | .0016296 | .3731270 | 5.342659 | -.001838 |
| #2 | -1.16209 | 2.942016 | -.027758 | .0018805 | .3687698 | 5.355179 | .007182  |
| #3 | -1.14885 | 2.978913 | -.027594 | .0021216 | .3711491 | 5.336085 | .000601  |

Sample Name: I6161-14      Acquired: 11/3/2017 00:35:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3376118 | .0161632 | .0458034 |
| Stddev | .0031974 | .0005999 | .0002987 |
| %RSD   | .9470725 | 3.711285 | .6520508 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3387100 | .0155591 | .0458614 |
| #2 | .3401153 | .0167587 | .0460688 |
| #3 | .3340100 | .0161717 | .0454800 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1395.974 | 2420.172 | 34274.32 | 10536.15 | 3305.595 |
| Stddev    | 8.950    | 14.062   | 106.82   | 49.63    | 12.361   |
| %RSD      | .6411337 | .5810237 | .3116595 | .4710854 | .3739532 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.392 | 2417.275 | 34155.94 | 10526.36 | 3304.178 |
| #2 | 1385.819 | 2435.457 | 34303.54 | 10492.14 | 3318.604 |
| #3 | 1402.711 | 2407.784 | 34363.50 | 10589.95 | 3294.004 |

Sample Name: I6161-15      Acquired: 11/3/2017 00:39:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063947 | -.001570 | .0173802 | -.000521 | .0005933 | 19.57283 | .0902662 |
| Stddev | .0015557 | .001413  | .0003316 | .001773  | .0009393 | .02443   | .0004079 |
| %RSD   | 24.32862 | 89.98146 | 1.907624 | 339.9646 | 158.3192 | .1248310 | .4519055 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0066360 | -.000271 | .0171815 | -.002193 | .0001090 | 19.60083 | .0897958 |
| #2 | .0047324 | -.001366 | .0177629 | .001338  | .0016759 | 19.56183 | .0904811 |
| #3 | .0078156 | -.003074 | .0171961 | -.000710 | -.000005 | 19.55583 | .0905217 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005880 | -.000447 | 1.451003 | .0452248 | .0031010 | .0133765 | 19.09314 |
| Stddev | .0000407 | .000076  | .007517  | .0006519 | .0000630 | .0004821 | .07785   |
| %RSD   | 6.916643 | 17.06450 | .5180637 | 1.441427 | 2.032249 | 3.603950 | .4077352 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006210 | -.000502 | 1.459574 | .0450842 | .0031088 | .0138863 | 19.09882 |
| #2 | .0005426 | -.000360 | 1.445527 | .0459355 | .0030344 | .0129280 | 19.16800 |
| #3 | .0006006 | -.000480 | 1.447910 | .0446547 | .0031597 | .0133153 | 19.01261 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0592738 | .8239850 | .0109326 | -.002867 | .1380076 | .0405739 | .0224581 |
| Stddev | .0003216 | .0040175 | .0003575 | .000154  | .0256173 | .0018708 | .0022831 |
| %RSD   | .5425707 | .4875676 | 3.269787 | 5.383032 | 18.56224 | 4.610773 | 10.16629 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0590162 | .8194228 | .0110419 | -.002791 | .1648696 | .0384164 | .0198691 |
| #2 | .0591709 | .8269940 | .0105332 | -.003045 | .1353037 | .0417457 | .0233218 |
| #3 | .0596342 | .8255382 | .0112227 | -.002766 | .1138495 | .0415596 | .0241833 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.38083 | .3576541 | -.023961 | .0021503 | .0905840 | 3.836560 | .0014682 |
| Stddev | .02683   | .0077824 | .000254  | .0001084 | .0051080 | .034277  | .0003224 |
| %RSD   | 1.943071 | 2.175951 | 1.061702 | 5.039254 | 5.638972 | .8934345 | 21.95593 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.35697 | .3512148 | -.023783 | .0020458 | .0849614 | 3.805403 | .0018338 |
| #2 | -1.37564 | .3554453 | -.024252 | .0022621 | .0918521 | 3.873277 | .0012247 |
| #3 | -1.40987 | .3663021 | -.023847 | .0021430 | .0949385 | 3.830999 | .0013462 |

Sample Name: I6161-15      Acquired: 11/3/2017 00:39:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3705600 | -.000845 | .0083673 |
| Stddev | .0002763 | .000715  | .0000242 |
| %RSD   | .0745575 | 84.54976 | .2886692 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3702684 | -.000980 | .0083950 |
| #2 | .3708178 | -.000073 | .0083563 |
| #3 | .3705937 | -.001483 | .0083506 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1427.361 | 2477.200 | 34786.12 | 10464.54 | 3423.363 |
| Stddev    | 10.414   | 24.303   | 144.14   | 69.39    | 32.932   |
| %RSD      | .7296276 | .9810634 | .4143625 | .6630905 | .9619741 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1415.393 | 2503.794 | 34636.98 | 10503.91 | 3458.132 |
| #2 | 1434.364 | 2471.661 | 34796.72 | 10384.42 | 3419.315 |
| #3 | 1432.326 | 2456.145 | 34924.68 | 10505.29 | 3392.643 |

Sample Name: I6161-19      Acquired: 11/3/2017 00:43:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2415144 | .0000783 | .8852296 | .0019065 | .0034722 | 27.67023 | .3111973 |
| Stddev | .0045869 | .0018354 | .0066695 | .0024027 | .0001595 | .01885   | .0005788 |
| %RSD   | 1.899228 | 2342.681 | .7534198 | 126.0243 | 4.592806 | .0681407 | .1859910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2362393 | .0001151 | .8798384 | .0046155 | .0035213 | 27.67757 | .3110358 |
| #2 | .2445634 | -.001775 | .8831624 | .0000336 | .0036013 | 27.68431 | .3118397 |
| #3 | .2437407 | .001895  | .8926879 | .0010704 | .0032939 | 27.64881 | .3107164 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020063 | .0013376 | 6.231261 | .1047705 | .0072802 | .2467253 | 36.32839 |
| Stddev | .0000113 | .0001222 | .039892  | .0003691 | .0001326 | .0003721 | .11224   |
| %RSD   | .5635676 | 9.136077 | .6401992 | .3522849 | 1.820765 | .1508190 | .3089568 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019933 | .0012184 | 6.205945 | .1051942 | .0071548 | .2464871 | 36.36382 |
| #2 | .0020138 | .0013318 | 6.277246 | .1045981 | .0074189 | .2465346 | 36.41864 |
| #3 | .0020118 | .0014626 | 6.210591 | .1045191 | .0072669 | .2471541 | 36.20271 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4327107 | 2.229413 | .0235654 | -.004425 | .2134787 | .0914246 | .4539025 |
| Stddev | .0016730 | .019734  | .0004669 | .000272  | .0657187 | .0031933 | .0075672 |
| %RSD   | .3866240 | .8851522 | 1.981256 | 6.140191 | 30.78466 | 3.492856 | 1.667140 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4333046 | 2.251648 | .0239829 | -.004201 | .1537363 | .0950684 | .4578744 |
| #2 | .4340057 | 2.213981 | .0230613 | -.004728 | .2838725 | .0900916 | .4451764 |
| #3 | .4308218 | 2.222609 | .0236520 | -.004346 | .2028274 | .0891137 | .4586568 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4356406 | 4.107623 | -.040950 | .0028017 | 1.992051 | 4.475088 | .0288283 |
| Stddev | .0149890 | .020870  | .000326  | .0000270 | .012877  | .013823  | .0004554 |
| %RSD   | 3.440688 | .5080706 | .7955337 | .9637012 | .6464171 | .3088859 | 1.579861 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4313368 | 4.093276 | -.040576 | .0028321 | 1.977542 | 4.466339 | .0289717 |
| #2 | .4523107 | 4.098029 | -.041101 | .0027805 | 1.996489 | 4.491024 | .0283184 |
| #3 | .4232743 | 4.131565 | -.041173 | .0027924 | 2.002122 | 4.467901 | .0291948 |



Sample Name: I6161-19      Acquired: 11/3/2017 00:43:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4338578 | .0083817 | .0546364 |
| Stddev | .0010705 | .0002543 | .0000225 |
| %RSD   | .2467355 | 3.033502 | .0411555 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4331861 | .0082942 | .0546137 |
| #2 | .4332950 | .0081829 | .0546586 |
| #3 | .4350923 | .0086682 | .0546369 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1421.211 | 2457.054 | 34854.14 | 10615.11 | 3344.715 |
| Stddev    | 9.097    | 18.698   | 127.94   | 18.78    | 22.830   |
| %RSD      | .6400823 | .7609993 | .3670674 | .1769435 | .6825663 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1431.714 | 2469.879 | 34951.26 | 10615.45 | 3356.351 |
| #2 | 1415.795 | 2465.683 | 34709.17 | 10596.15 | 3359.383 |
| #3 | 1416.125 | 2435.599 | 34901.98 | 10633.72 | 3318.412 |

Sample Name: I6161-20      Acquired: 11/3/2017 00:47:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2386722 | -.001072 | .6810393 | .0015381 | .0029063 | 37.77620 | .3158439 |
| Stddev | .0009803 | .000656  | .0016360 | .0011614 | .0004630 | .10428   | .0005289 |
| %RSD   | .4107235 | 61.15907 | .2402148 | 75.51115 | 15.93186 | .2760545 | .1674597 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2375574 | -.000930 | .6795782 | .0023920 | .0023724 | 37.65742 | .3160726 |
| #2 | .2390599 | -.001788 | .6807329 | .0002156 | .0031485 | 37.81848 | .3162199 |
| #3 | .2393993 | -.000500 | .6828068 | .0020068 | .0031980 | 37.85271 | .3152391 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026779 | .0009602 | 2.631766 | .1074367 | .0086856 | .3024268 | 39.65792 |
| Stddev | .0000666 | .0000503 | .012460  | .0005314 | .0002229 | .0018524 | .05247   |
| %RSD   | 2.488805 | 5.244115 | .4734367 | .4946048 | 2.566111 | .6125243 | .1323055 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026824 | .0009691 | 2.624491 | .1079477 | .0085125 | .3045612 | 39.66464 |
| #2 | .0027421 | .0010055 | 2.624654 | .1074753 | .0089371 | .3012379 | 39.60241 |
| #3 | .0026091 | .0009060 | 2.646153 | .1068870 | .0086073 | .3014813 | 39.70671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4673714 | 1.755941 | .0265851 | -.005251 | .2302386 | .1102591 | .4006539 |
| Stddev | .0015758 | .010420  | .0005327 | .000093  | .0287265 | .0014721 | .0047656 |
| %RSD   | .3371714 | .5934229 | 2.003624 | 1.770818 | 12.47684 | 1.335120 | 1.189462 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4662432 | 1.747748 | .0272001 | -.005353 | .1971866 | .1096009 | .4006770 |
| #2 | .4666991 | 1.767669 | .0262859 | -.005172 | .2443389 | .1092310 | .4054080 |
| #3 | .4691719 | 1.752407 | .0262693 | -.005226 | .2491904 | .1119455 | .3958768 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.433155 | 4.216148 | -.045820 | .0030552 | .9600658 | 5.334892 | .0180733 |
| Stddev | .029143  | .042817  | .001082  | .0002288 | .0066919 | .007969  | .0022370 |
| %RSD   | 6.728089 | 1.015555 | 2.361220 | 7.488347 | .6970274 | .1493715 | 12.37724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.419131 | 4.221771 | -.044571 | .0028884 | .9587940 | 5.332167 | .0162848 |
| #2 | -.466658 | 4.170797 | -.046439 | .0033160 | .9541011 | 5.328642 | .0173535 |
| #3 | -.413675 | 4.255876 | -.046451 | .0029612 | .9673024 | 5.343865 | .0205816 |

Sample Name: I6161-20      Acquired: 11/3/2017 00:47:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4611279 | .0146711 | .0315908 |
| Stddev | .0010321 | .0002092 | .0000626 |
| %RSD   | .2238093 | 1.425795 | .1982857 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4604492 | .0145893 | .0316088 |
| #2 | .4606189 | .0145152 | .0316425 |
| #3 | .4623156 | .0149088 | .0315211 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1441.618 | 2483.503 | 35259.10 | 10773.38 | 3339.953 |
| Stddev    | 2.146    | 8.753    | 80.32    | 18.12    | 15.276   |
| %RSD      | .1488258 | .3524316 | .2278068 | .1682348 | .4573674 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1443.554 | 2480.103 | 35317.26 | 10774.48 | 3344.919 |
| #2 | 1439.311 | 2493.446 | 35167.45 | 10790.93 | 3352.128 |
| #3 | 1441.989 | 2476.962 | 35292.59 | 10754.74 | 3322.812 |

Sample Name: I6161-21      Acquired: 11/3/2017 00:52:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0374996 | -.000763 | .1854282 | -.000759 | .0014195 | 17.55306 | .1812814 |
| Stddev | .0018463 | .000391  | .0002217 | .000849  | .0002714 | .02883   | .0007804 |
| %RSD   | 4.923548 | 51.30272 | .1195630 | 111.8892 | 19.12278 | .1642580 | .4304796 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0354376 | -.000495 | .1853189 | -.001457 | .0016920 | 17.52620 | .1806694 |
| #2 | .0380617 | -.001212 | .1856834 | .000187  | .0011491 | 17.58352 | .1821602 |
| #3 | .0389996 | -.000582 | .1852825 | -.001007 | .0014172 | 17.54946 | .1810147 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012123 | .0003591 | 2.031350 | .0417515 | .0043272 | .0496100 | 23.98595 |
| Stddev | .0000126 | .0000245 | .006061  | .0002890 | .0001000 | .0008505 | .15232   |
| %RSD   | 1.038013 | 6.820479 | .2983597 | .6921463 | 2.309836 | 1.714383 | .6350267 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011978 | .0003807 | 2.029939 | .0416993 | .0042692 | .0505284 | 23.84629 |
| #2 | .0012202 | .0003325 | 2.026118 | .0420631 | .0044426 | .0488495 | 24.14836 |
| #3 | .0012188 | .0003642 | 2.037991 | .0414922 | .0042697 | .0494520 | 23.96320 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3271446 | 1.046605 | .0116695 | -.003324 | .1241305 | .0560750 | .1625432 |
| Stddev | .0021254 | .006499  | .0001222 | .000377  | .0750560 | .0027342 | .0002250 |
| %RSD   | .6496792 | .6209787 | 1.047340 | 11.34403 | 60.46541 | 4.876045 | .1384519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3247738 | 1.039402 | .0115284 | -.003024 | .1277285 | .0564153 | .1627241 |
| #2 | .3277808 | 1.048382 | .0117399 | -.003201 | .0473401 | .0586231 | .1626143 |
| #3 | .3288793 | 1.052031 | .0117403 | -.003747 | .1973227 | .0531865 | .1622912 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.896281 | 3.395257 | -.028367 | .0013822 | .3711019 | 3.738851 | .0045741 |
| Stddev | .027534  | .034447  | .001004  | .0001848 | .0025912 | .031814  | .0006795 |
| %RSD   | 3.072038 | 1.014566 | 3.539330 | 13.36967 | .6982301 | .8509052 | 14.85575 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.918775 | 3.379251 | -.029097 | .0013947 | .3715301 | 3.722262 | .0042529 |
| #2 | -.904493 | 3.371725 | -.028783 | .0011914 | .3683233 | 3.775531 | .0041147 |
| #3 | -.865576 | 3.434795 | -.027222 | .0015604 | .3734523 | 3.718760 | .0053546 |

Sample Name: I6161-21      Acquired: 11/3/2017 00:52:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3821779 | .0041927 | .0187203 |
| Stddev | .0016319 | .0005822 | .0000480 |
| %RSD   | .4269950 | 13.88466 | .2563046 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3828151 | .0043395 | .0186686 |
| #2 | .3833950 | .0035513 | .0187634 |
| #3 | .3803235 | .0046875 | .0187289 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.989 | 2456.688 | 35002.20 | 10615.31 | 3414.701 |
| Stddev    | 3.690    | 36.808   | 71.12    | 71.95    | 31.601   |
| %RSD      | .2591116 | 1.498287 | .2031879 | .6778206 | .9254340 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.845 | 2472.433 | 35057.79 | 10654.73 | 3423.038 |
| #2 | 1428.115 | 2483.005 | 35026.75 | 10532.26 | 3441.297 |
| #3 | 1421.007 | 2414.626 | 34922.06 | 10658.94 | 3379.767 |

Sample Name: I6161-22      Acquired: 11/3/2017 00:56:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0412834 | -.001892 | .1534872 | .0018865 | .0022515 | 19.52804 | .2428988 |
| Stddev | .0033348 | .001775  | .0019482 | .0005579 | .0009561 | .06187   | .0020351 |
| %RSD   | 8.077714 | 93.80658 | 1.269257 | 29.57239 | 42.46606 | .3168232 | .8378300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0434926 | -.002492 | .1519125 | .0020680 | .0027843 | 19.59471 | .2448160 |
| #2 | .0374474 | .000105  | .1528834 | .0023310 | .0011477 | 19.51695 | .2431169 |
| #3 | .0429101 | -.003290 | .1556658 | .0012605 | .0028225 | 19.47247 | .2407634 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012434 | .0002649 | 2.413046 | .0390440 | .0048384 | .0516249 | 23.59365 |
| Stddev | .0000558 | .0000497 | .023901  | .0006329 | .0003876 | .0003937 | .06616   |
| %RSD   | 4.483624 | 18.76940 | .9904714 | 1.620941 | 8.010834 | .7625810 | .2804026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011872 | .0003084 | 2.401653 | .0397336 | .0047325 | .0517058 | 23.55433 |
| #2 | .0012987 | .0002756 | 2.440511 | .0389086 | .0045148 | .0519719 | 23.67003 |
| #3 | .0012443 | .0002107 | 2.396974 | .0384898 | .0052679 | .0511971 | 23.55659 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4635271 | 1.135505 | .0170074 | -.003277 | .1925022 | .0553113 | .1768062 |
| Stddev | .0017493 | .033517  | .0002939 | .000385  | .0569894 | .0006229 | .0032005 |
| %RSD   | .3773857 | 2.951707 | 1.728084 | 11.74468 | 29.60456 | 1.126106 | 1.810160 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4618473 | 1.120766 | .0173431 | -.003492 | .2540023 | .0554453 | .1741218 |
| #2 | .4653384 | 1.111883 | .0167965 | -.003506 | .1820275 | .0558562 | .1759486 |
| #3 | .4633956 | 1.173865 | .0168826 | -.002832 | .1414767 | .0546323 | .1803480 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.887178 | 3.656466 | -.027498 | .0011488 | .3282939 | 4.050764 | .0059917 |
| Stddev | .009090  | .025203  | .001027  | .0000621 | .0025491 | .036332  | .0026302 |
| %RSD   | 1.024569 | .6892770 | 3.733319 | 5.408864 | .7764563 | .8969295 | 43.89792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.897241 | 3.639433 | -.028658 | .0012195 | .3269291 | 4.089518 | .0041353 |
| #2 | -.884729 | 3.685418 | -.027134 | .0011239 | .3267178 | 4.045304 | .0048382 |
| #3 | -.879563 | 3.644546 | -.026704 | .0011030 | .3312348 | 4.017471 | .0090016 |

Sample Name: I6161-22      Acquired: 11/3/2017 00:56:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3861933 | .0052558 | .0251281 |
| Stddev | .0011912 | .0002397 | .0000175 |
| %RSD   | .3084464 | 4.560219 | .0695359 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3849447 | .0051223 | .0251476 |
| #2 | .3873174 | .0051126 | .0251229 |
| #3 | .3863177 | .0055325 | .0251138 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1425.651 | 2465.776 | 35136.03 | 10500.56 | 3412.356 |
| Stddev    | 8.934    | 8.210    | 151.90   | 61.99    | 5.197    |
| %RSD      | .6266851 | .3329646 | .4323208 | .5903220 | .1522964 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1417.690 | 2471.312 | 35064.98 | 10436.03 | 3416.662 |
| #2 | 1423.948 | 2469.673 | 35032.68 | 10505.99 | 3413.823 |
| #3 | 1435.314 | 2456.343 | 35310.43 | 10559.65 | 3406.584 |

Sample Name: CCV034      Acquired: 11/3/2017 01:00:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV034      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.960157 | 4.727902 | 25.12275 | 4.785753 | 4.860914 | F 290.6455 |
| Stddev | .050190  | .068462  | .27881   | .049937  | .041676  | 2.4058     |
| %RSD   | 1.011859 | 1.448038 | 1.109792 | 1.043451 | .8573745 | .8277310   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.914369 | 4.655193 | 24.81172 | 4.755361 | 4.824001 | 292.8568 |
| #2 | 4.952285 | 4.737385 | 25.20630 | 4.758512 | 4.852632 | 288.0837 |
| #3 | 5.013818 | 4.791128 | 25.35024 | 4.843387 | 4.906110 | 290.9961 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.888517 | .4965613 | 2.446612 | F 327.9803 | 15.17945 | 2.475888 |
| Stddev | .152052  | .0036008 | .028656  | 1.9288     | .07036   | .027763  |
| %RSD   | 1.537667 | .7251390 | 1.171260 | .5880953   | .4635331 | 1.121326 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.05363 | .4996745 | 2.413762 | 330.0563 | 15.22224 | 2.444974 |
| #2 | 9.75425  | .4926179 | 2.459598 | 326.2437 | 15.09825 | 2.483993 |
| #3 | 9.85767  | .4973913 | 2.466477 | 327.6409 | 15.21787 | 2.498696 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.21532 | F 310.3538 | 14.99023 | F 323.5811 | 2.443098 | 1.280621 |
| Stddev | .07235   | 1.8977     | .09481   | 1.8813     | .029231  | .004363  |
| %RSD   | .4755118 | .6114770   | .6324802 | .5813845   | 1.196480 | .3406774 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.26616 | 312.4460 | 15.09096 | 325.6278 | 2.410414 | 1.280374 |
| #2 | 15.24731 | 308.7434 | 14.90273 | 321.9274 | 2.452138 | 1.276386 |
| #3 | 15.13249 | 309.8720 | 14.97701 | 323.1879 | 2.466741 | 1.285101 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 292.7382 | 2.457692 | 16.15230 | 151.2438 | 5.129182 | 4.727286 |
| Stddev | 1.0793     | .016536  | .12434   | .5795    | .097762  | .028067  |
| %RSD   | .3687049   | .6728213 | .7697893 | .3831715 | 1.905988 | .5937159 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 293.9846 | 2.470044 | 16.09020 | 151.8415 | 5.038873 | 4.750296 |
| #2 | 292.1129 | 2.464126 | 16.07124 | 151.2053 | 5.115680 | 4.696016 |
| #3 | 292.1172 | 2.438906 | 16.29545 | 150.6844 | 5.232993 | 4.735546 |



Sample Name: CCV034      Acquired: 11/3/2017 01:00:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV034      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 4.699604 | 5.008203 | 4.971686 | F 4.421038 | 5.113263 | 5.026770 |
| Stddev | .045239  | .100920  | .036194  | .056869    | .027183  | .024968  |
| %RSD   | .9626064 | 2.015098 | .7279990 | 1.286330   | .5316154 | .4966951 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.655835 | 4.909279 | 4.997665 | 4.358048 | 5.138587 | 5.039940 |
| #2 | 4.696795 | 5.004323 | 4.930345 | 4.436458 | 5.116659 | 5.042396 |
| #3 | 4.746181 | 5.111007 | 4.987047 | 4.468606 | 5.084541 | 4.997975 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.086232 |
| Stddev | .060309  |
| %RSD   | 1.185723 |

|    |          |
|----|----------|
| #1 | 5.152630 |
| #2 | 5.034852 |
| #3 | 5.071214 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1106.924 | 1955.376 | 28301.89 | 9481.049 | 2352.839 |
| Stddev    | 10.359   | 14.938   | 135.23   | 76.992   | 19.431   |
| %RSD      | .9358461 | .7639660 | .4778223 | .8120576 | .8258672 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1107.410 | 1963.204 | 28245.75 | 9399.270 | 2370.906 |
| #2 | 1117.031 | 1964.773 | 28456.15 | 9552.135 | 2355.328 |
| #3 | 1096.330 | 1938.150 | 28203.76 | 9491.743 | 2332.283 |

Sample Name: CCB034      Acquired: 11/3/2017 01:04:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB034      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002262 | .0013807 | -.001024 | -.002389 | -.001077 | -.005558 | .0000204 |
| Stddev | .001802  | .0011476 | .000785  | .001672  | .000686  | .003331  | .0001279 |
| %RSD   | 79.65398 | 83.12253 | 76.60720 | 69.98877 | 63.64074 | 59.93530 | 625.9194 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004328 | .0017682 | -.001430 | -.003281 | -.001113 | -.008388 | -.000127 |
| #2 | -.001451 | .0000894 | -.001523 | -.000460 | -.001744 | -.006399 | .000084  |
| #3 | -.001008 | .0022844 | -.000120 | -.003426 | -.000374 | -.001887 | .000104  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000027 | -.000143 | -.004512 | .0002524 | -.000053 | .0003707 | -.003610 |
| Stddev | .000036  | .000131  | .001846  | .0002626 | .000226  | .0010381 | .002746  |
| %RSD   | 135.1514 | 91.82157 | 40.92403 | 104.0433 | 423.8060 | 280.0215 | 76.08335 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000007 | -.000282 | -.003915 | .0005300 | .000190  | .0007381 | -.006378 |
| #2 | -.000005 | -.000023 | -.003037 | .0002193 | -.000257 | -.000801 | -.000886 |
| #3 | -.000068 | -.000123 | -.006582 | .0000079 | -.000093 | .001175  | -.003565 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000328 | .0025966 | .0001412 | .0000434 | .1090406 | .0008930 | -.005983 |
| Stddev | .000432  | .0119307 | .0001449 | .0000264 | .0750579 | .0009306 | .000767  |
| %RSD   | 131.8057 | 459.4697 | 102.6054 | 60.85743 | 68.83482 | 104.2083 | 12.81427 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000032  | .0119312 | .0000070 | .0000690 | .1925754 | .0005732 | -.005296 |
| #2 | -.000209 | -.010845 | .0002948 | .0000163 | .0472698 | .0019414 | -.005843 |
| #3 | -.000806 | .006704  | .0001218 | .0000449 | .0872766 | .0001645 | -.006810 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.186822 | .0008171 | .0014604 | .0004218 | .0198626 | -.004161 | -.001431 |
| Stddev | .024645  | .0011300 | .0007527 | .0002634 | .0017287 | .001204  | .001143  |
| %RSD   | 13.19194 | 138.2961 | 51.53646 | 62.44087 | 8.703281 | 28.93034 | 79.87598 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.164447 | .0008512 | .0019797 | .0007214 | .0190874 | -.005028 | -.000208 |
| #2 | -.182779 | .0019297 | .0018043 | .0003176 | .0218432 | -.002787 | -.001612 |
| #3 | -.213238 | -.000330 | .0005973 | .0002265 | .0186571 | -.004669 | -.002472 |

Sample Name: CCB034      Acquired: 11/3/2017 01:04:39      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB034      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000404 | -.004021 | -.000349 |
| Stddev | .000710  | .000475  | .000027  |
| %RSD   | 175.8858 | 11.80565 | 7.805451 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000416 | -.003498 | -.000354 |
| #2 | -.001108 | -.004424 | -.000320 |
| #3 | .000312  | -.004140 | -.000374 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1420.374 | 2520.539 | 34716.67 | 10224.28 | 3588.279 |
| Stddev    | 8.727    | 19.726   | 122.03   | 62.11    | 29.786   |
| %RSD      | .6144250 | .7826177 | .3514997 | .6074783 | .8301005 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1426.838 | 2501.392 | 34800.91 | 10155.70 | 3565.723 |
| #2 | 1410.447 | 2540.797 | 34576.73 | 10240.38 | 3622.044 |
| #3 | 1423.836 | 2519.428 | 34772.37 | 10276.75 | 3577.072 |

Sample Name: I6162-01      Acquired: 11/3/2017 01:08:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1484529 | .0027738 | 1.244541 | .0030435 | .0043272 | 41.84734 | .3995744 |
| Stddev | .0015269 | .0004601 | .005640  | .0011484 | .0005867 | .12784   | .0010195 |
| %RSD   | 1.028510 | 16.58632 | .4531680 | 37.73214 | 13.55773 | .3054861 | .2551376 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1493120 | .0024520 | 1.245027 | .0017867 | .0040557 | 41.98688 | .4000593 |
| #2 | .1493568 | .0033008 | 1.238674 | .0033059 | .0039254 | 41.73587 | .4002610 |
| #3 | .1466901 | .0025688 | 1.249922 | .0040380 | .0050005 | 41.81926 | .3984030 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025270 | .0034645 | 11.38982 | .1052785 | .0155457 | .2051924 | 70.22189 |
| Stddev | .0000168 | .0000759 | .03658   | .0003238 | .0002924 | .0025393 | .31044   |
| %RSD   | .6645953 | 2.190795 | .3211571 | .3075465 | 1.880886 | 1.237520 | .4420891 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025262 | .0034057 | 11.34969 | .1049169 | .0156094 | .2065205 | 70.18176 |
| #2 | .0025106 | .0034378 | 11.42129 | .1055415 | .0152267 | .2067922 | 70.55045 |
| #3 | .0025441 | .0035502 | 11.39847 | .1053771 | .0158010 | .2022645 | 69.93346 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5683500 | 4.558519 | .0554690 | -.009216 | .2980333 | .1798642 | .8047140 |
| Stddev | .0021381 | .021079  | .0006523 | .000337  | .0266672 | .0038116 | .0116305 |
| %RSD   | .3761983 | .4624061 | 1.175996 | 3.654371 | 8.947736 | 2.119140 | 1.445297 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5665596 | 4.579396 | .0562166 | -.009037 | .2888731 | .1829482 | .7970440 |
| #2 | .5707174 | 4.558918 | .0550157 | -.009604 | .2771535 | .1810415 | .7990020 |
| #3 | .5677730 | 4.537243 | .0551746 | -.009007 | .3280734 | .1756028 | .8180961 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.453726 | 5.825927 | -.072528 | .0045376 | 2.261816 | 2.464013 | .0208353 |
| Stddev | .021645  | .077018  | .001033  | .0002245 | .019017  | .006697  | .0021276 |
| %RSD   | 4.770614 | 1.321991 | 1.423768 | 4.946428 | .8408020 | .2717989 | 10.21153 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.438944 | 5.854408 | -.072537 | .0046761 | 2.273946 | 2.463260 | .0214154 |
| #2 | -.478571 | 5.738725 | -.073555 | .0046581 | 2.239898 | 2.471054 | .0226127 |
| #3 | -.443661 | 5.884648 | -.071490 | .0042786 | 2.271605 | 2.457724 | .0184778 |

Sample Name: I6162-01      Acquired: 11/3/2017 01:08:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6886198 | .0242458 | .0887225 |
| Stddev | .0038873 | .0005661 | .0002277 |
| %RSD   | .5645037 | 2.334878 | .2566087 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6923222 | .0242528 | .0889644 |
| #2 | .6845708 | .0248083 | .0886907 |
| #3 | .6889663 | .0236762 | .0885124 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1415.544 | 2447.642 | 34977.11 | 10714.34 | 3268.883 |
| Stddev    | 7.362    | 4.883    | 83.60    | 36.22    | 9.338    |
| %RSD      | .5200875 | .1994897 | .2390254 | .3380961 | .2856564 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1407.743 | 2445.369 | 34885.56 | 10689.42 | 3264.746 |
| #2 | 1416.517 | 2453.248 | 35049.41 | 10697.71 | 3279.574 |
| #3 | 1422.371 | 2444.311 | 34996.36 | 10755.90 | 3262.328 |

Sample Name: I6162-02      Acquired: 11/3/2017 01:12:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1988813 | -.000816 | 1.282125 | .0009537 | .0044679 | 41.19040 | .3880122 |
| Stddev | .0021235 | .002338  | .006701  | .0031214 | .0008856 | .19302   | .0026345 |
| %RSD   | 1.067707 | 286.4572 | .5226176 | 327.2987 | 19.82270 | .4686138 | .6789725 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1990913 | .001882  | 1.284228 | .0039984 | .0054711 | 41.31717 | .3903677 |
| #2 | .2008920 | -.002086 | 1.274625 | .0011016 | .0041380 | 40.96825 | .3851673 |
| #3 | .1966606 | -.002245 | 1.287523 | -.002239 | .0037945 | 41.28578 | .3885016 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025678 | .0025080 | 9.349793 | .0951343 | .0139942 | .2095740 | 75.78160 |
| Stddev | .0000654 | .0001846 | .072429  | .0010574 | .0000226 | .0016036 | .36016   |
| %RSD   | 2.548068 | 7.360074 | .7746547 | 1.111490 | .1613562 | .7651507 | .4752610 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026359 | .0023212 | 9.387234 | .0960723 | .0139681 | .2113990 | 76.10131 |
| #2 | .0025054 | .0025125 | 9.266307 | .0939884 | .0140073 | .2089322 | 75.39141 |
| #3 | .0025620 | .0026903 | 9.395839 | .0953422 | .0140071 | .2083908 | 75.85210 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5454866 | 3.514298 | .0490898 | -.008338 | .3470414 | .1773665 | .6402256 |
| Stddev | .0026563 | .012804  | .0002614 | .000232  | .0118778 | .0033585 | .0059465 |
| %RSD   | .4869562 | .3643336 | .5325038 | 2.786496 | 3.422594 | 1.893531 | .9288130 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5450602 | 3.520552 | .0488145 | -.008309 | .3604345 | .1752679 | .6448265 |
| #2 | .5430694 | 3.499569 | .0493347 | -.008122 | .3429043 | .1812400 | .6423393 |
| #3 | .5483304 | 3.522773 | .0491203 | -.008584 | .3377853 | .1755914 | .6335110 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.418085 | 4.721374 | -.081217 | .0044342 | 2.052423 | 2.819239 | .0225997 |
| Stddev | .001173  | .035150  | .000638  | .0001411 | .013288  | .002295  | .0005338 |
| %RSD   | .2805811 | .7444946 | .7858812 | 3.182147 | .6474127 | .0814151 | 2.362047 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.417653 | 4.736436 | -.080540 | .0045084 | 2.062743 | 2.819858 | .0229596 |
| #2 | -.419413 | 4.681202 | -.081303 | .0042715 | 2.037430 | 2.821161 | .0219864 |
| #3 | -.417190 | 4.746483 | -.081808 | .0045228 | 2.057097 | 2.816698 | .0228531 |

Sample Name: I6162-02      Acquired: 11/3/2017 01:12:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6751350 | .0216824 | .0883127 |
| Stddev | .0037617 | .0005630 | .0003541 |
| %RSD   | .5571711 | 2.596556 | .4009480 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6779701 | .0223323 | .0885646 |
| #2 | .6708676 | .0213430 | .0879078 |
| #3 | .6765672 | .0213721 | .0884657 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1409.364 | 2470.659 | 34861.45 | 10622.07 | 3302.797 |
| Stddev    | 16.037   | 7.121    | 308.65   | 45.39    | 9.064    |
| %RSD      | 1.137893 | .2882389 | .8853710 | .4272754 | .2744266 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1391.114 | 2462.642 | 34578.23 | 10572.14 | 3296.240 |
| #2 | 1421.210 | 2473.080 | 35190.43 | 10660.83 | 3313.140 |
| #3 | 1415.767 | 2476.254 | 34815.71 | 10633.24 | 3299.012 |

Sample Name: I6162-03      Acquired: 11/3/2017 01:16:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3721607 | -.001155 | 1.056858 | -.001398 | .0040633 | 51.56445 | .3444580 |
| Stddev | .0005557 | .001850  | .008978  | .003224  | .0021431 | .11211   | .0007514 |
| %RSD   | .1493148 | 160.2274 | .8494578 | 230.6777 | 52.74129 | .2174104 | .2181423 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3727189 | -.001067 | 1.054509 | .002316  | .0019798 | 51.69138 | .3453242 |
| #2 | .3716075 | .000650  | 1.049288 | -.003026 | .0062613 | 51.52300 | .3440683 |
| #3 | .3721556 | -.003047 | 1.066777 | -.003482 | .0039488 | 51.47897 | .3439814 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026034 | .0005040 | 8.685605 | .0900931 | .0179596 | .2465855 | 69.16297 |
| Stddev | .0000647 | .0000670 | .048384  | .0008742 | .0001884 | .0033098 | .26680   |
| %RSD   | 2.484981 | 13.28862 | .5570643 | .9703090 | 1.048792 | 1.342230 | .3857527 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026087 | .0004721 | 8.740471 | .0898571 | .0177730 | .2457532 | 69.47061 |
| #2 | .0026653 | .0004589 | 8.667298 | .0910611 | .0179559 | .2437712 | 68.99498 |
| #3 | .0025362 | .0005810 | 8.649045 | .0893612 | .0181497 | .2502319 | 69.02332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3915977 | 3.037809 | .0526179 | -.009393 | .4311216 | .1564557 | .3455396 |
| Stddev | .0013108 | .015244  | .0001121 | .000449  | .0019044 | .0032763 | .0006526 |
| %RSD   | .3347210 | .5018244 | .2130263 | 4.775864 | .4417309 | 2.094056 | .1888689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3930932 | 3.053937 | .0526573 | -.009026 | .4333134 | .1527406 | .3462904 |
| #2 | .3906486 | 3.035853 | .0524915 | -.009893 | .4301799 | .1589320 | .3451087 |
| #3 | .3910512 | 3.023637 | .0527050 | -.009261 | .4298714 | .1576944 | .3452196 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.364525 | 4.218275 | -.073828 | .0036120 | 1.275084 | 2.668820 | .0128571 |
| Stddev | .016546  | .067804  | .001390  | .0001357 | .009007  | .030742  | .0014142 |
| %RSD   | 4.539051 | 1.607385 | 1.883251 | 3.757497 | .7064039 | 1.151898 | 10.99976 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.346423 | 4.226314 | -.075323 | .0034604 | 1.282813 | 2.703648 | .0118297 |
| #2 | -.368282 | 4.146811 | -.073588 | .0036534 | 1.265192 | 2.645463 | .0122715 |
| #3 | -.378869 | 4.281702 | -.072573 | .0037223 | 1.277247 | 2.657349 | .0144701 |



Sample Name: I6162-03      Acquired: 11/3/2017 01:16:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5092790 | .0267242 | .0835661 |
| Stddev | .0038431 | .0004280 | .0000609 |
| %RSD   | .7546235 | 1.601482 | .0728171 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5057246 | .0272183 | .0835239 |
| #2 | .5133572 | .0264868 | .0836358 |
| #3 | .5087552 | .0264676 | .0835385 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1405.227 | 2430.096 | 34538.53 | 10617.27 | 3248.476 |
| Stddev    | 6.971    | 12.215   | 67.33    | 88.15    | 16.583   |
| %RSD      | .4961110 | .5026419 | .1949454 | .8302287 | .5104764 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1402.836 | 2435.746 | 34561.26 | 10515.52 | 3249.176 |
| #2 | 1413.079 | 2438.463 | 34591.55 | 10665.80 | 3264.697 |
| #3 | 1399.766 | 2416.079 | 34462.77 | 10670.49 | 3231.554 |

Sample Name: I6162-04      Acquired: 11/3/2017 01:21:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3996353 | -.001178 | .5457828 | .0002213 | .0029973 | 48.30540 | .2794247 |
| Stddev | .0053770 | .001286  | .0039053 | .0012681 | .0005707 | .12020   | .0010604 |
| %RSD   | 1.345465 | 109.0861 | .7155339 | 572.9417 | 19.04017 | .2488348 | .3795101 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4020482 | .000140  | .5435125 | .0003573 | .0029296 | 48.17786 | .2782226 |
| #2 | .3934746 | -.002429 | .5435438 | .0014159 | .0035988 | 48.32175 | .2802275 |
| #3 | .4033832 | -.001246 | .5502922 | -.001109 | .0024635 | 48.41659 | .2798240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018761 | -.000426 | 7.240935 | .0741894 | .0068015 | .1617466 | 48.88502 |
| Stddev | .0000327 | .000070  | .039885  | .0000355 | .0004602 | .0021995 | .19153   |
| %RSD   | 1.742529 | 16.48139 | .5508271 | .0479003 | 6.765942 | 1.359824 | .3917870 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018742 | -.000477 | 7.215225 | .0741856 | .0073067 | .1593261 | 48.73293 |
| #2 | .0019096 | -.000456 | 7.220699 | .0742267 | .0064063 | .1622910 | 48.82203 |
| #3 | .0018444 | -.000346 | 7.286882 | .0741559 | .0066914 | .1636228 | 49.10011 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2728851 | 2.528616 | .0330621 | -.007187 | .2621946 | .1215753 | .1293521 |
| Stddev | .0010667 | .019394  | .0005827 | .000242  | .0634737 | .0012546 | .0027521 |
| %RSD   | .3909132 | .7669940 | 1.762521 | 3.365665 | 24.20863 | 1.031951 | 2.127589 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2723760 | 2.510161 | .0326247 | -.007452 | .2783668 | .1225021 | .1262833 |
| #2 | .2721682 | 2.526858 | .0328380 | -.007131 | .3160179 | .1220762 | .1316011 |
| #3 | .2741110 | 2.548830 | .0337236 | -.006978 | .1921993 | .1201476 | .1301720 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.939246 | 2.559175 | -.052152 | .0020632 | .6356577 | 2.056449 | .0070631 |
| Stddev | .018968  | .047734  | .000304  | .0001117 | .0128853 | .006811  | .0023522 |
| %RSD   | 2.019522 | 1.865207 | .5822595 | 5.411842 | 2.027087 | .3311852 | 33.30272 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.960652 | 2.564150 | -.051812 | .0021669 | .6434953 | 2.050993 | .0053873 |
| #2 | -.924525 | 2.509148 | -.052244 | .0020777 | .6207862 | 2.064082 | .0060498 |
| #3 | -.932563 | 2.604226 | -.052398 | .0019450 | .6426915 | 2.054270 | .0097521 |

Sample Name: I6162-04      Acquired: 11/3/2017 01:21:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3157549 | .0238862 | .0591522 |
| Stddev | .0031300 | .0003602 | .0000916 |
| %RSD   | .9912753 | 1.508015 | .1547892 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3126950 | .0234711 | .0590722 |
| #2 | .3156194 | .0240711 | .0592521 |
| #3 | .3189505 | .0241164 | .0591324 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1396.298 | 2423.788 | 34299.86 | 10545.22 | 3290.064 |
| Stddev    | 10.273   | 7.752    | 37.13    | 29.84    | 14.925   |
| %RSD      | .7356959 | .3198479 | .1082555 | .2829655 | .4536287 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1403.512 | 2428.720 | 34306.63 | 10523.21 | 3290.596 |
| #2 | 1384.537 | 2427.792 | 34333.14 | 10579.18 | 3304.715 |
| #3 | 1400.845 | 2414.853 | 34259.81 | 10533.28 | 3274.880 |

Sample Name: I6162-05      Acquired: 11/3/2017 01:25:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0624557 | -.000603 | .0923737 | -.002787 | .0023921 | 66.84463 | .1610826 |
| Stddev | .0029873 | .001384  | .0016591 | .002293  | .0010501 | .11968   | .0004792 |
| %RSD   | 4.783029 | 229.6073 | 1.796055 | 82.29129 | 43.90035 | .1790409 | .2975066 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0619718 | .000831  | .0906101 | -.000339 | .0013293 | 66.78303 | .1609349 |
| #2 | .0597399 | -.000709 | .0926075 | -.003136 | .0034292 | 66.76830 | .1606945 |
| #3 | .0656554 | -.001930 | .0939035 | -.004885 | .0024179 | 66.98256 | .1616182 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016772 | -.001186 | 2.397255 | .1162734 | .0073520 | .0437045 | 59.14968 |
| Stddev | .0000634 | .000114  | .010074  | .0009094 | .0001707 | .0007578 | .10586   |
| %RSD   | 3.781329 | 9.620023 | .4202450 | .7820849 | 2.321853 | 1.734019 | .1789735 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016501 | -.001245 | 2.396272 | .1155455 | .0071617 | .0430123 | 59.06010 |
| #2 | .0017496 | -.001259 | 2.387708 | .1159819 | .0074025 | .0445142 | 59.26650 |
| #3 | .0016318 | -.001055 | 2.407785 | .1172927 | .0074917 | .0435869 | 59.12243 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0874832 | 1.477271 | .0381249 | -.008422 | .3915897 | .1804005 | .0207022 |
| Stddev | .0006470 | .019152  | .0004519 | .000178  | .0073491 | .0031820 | .0011370 |
| %RSD   | .7395781 | 1.296461 | 1.185368 | 2.118764 | 1.876742 | 1.763835 | 5.492226 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0867477 | 1.472021 | .0381603 | -.008397 | .3842054 | .1825509 | .0205538 |
| #2 | .0879642 | 1.461291 | .0376564 | -.008258 | .3916605 | .1767452 | .0196466 |
| #3 | .0877378 | 1.498500 | .0385581 | -.008612 | .3989031 | .1819053 | .0219061 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.931864 | .8255957 | -.067494 | .0032748 | .1934092 | 1.772507 | .0061773 |
| Stddev | .031900  | .0129124 | .000081  | .0002058 | .0002594 | .014736  | .0011153 |
| %RSD   | 3.423211 | 1.564007 | .1207021 | 6.283885 | .1341120 | .8313903 | 18.05428 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.922234 | .8107018 | -.067556 | .0030792 | .1934391 | 1.769417 | .0074199 |
| #2 | -.905888 | .8336398 | -.067524 | .0032557 | .1931362 | 1.788543 | .0058486 |
| #3 | -.967469 | .8324457 | -.067401 | .0034895 | .1936523 | 1.759561 | .0052633 |

Sample Name: I6162-05      Acquired: 11/3/2017 01:25:12      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3876322 | .0144432 | .0357742 |
| Stddev | .0021927 | .0000685 | .0000945 |
| %RSD   | .5656620 | .4745139 | .2641371 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3890867 | .0145197 | .0357140 |
| #2 | .3851102 | .0144223 | .0358831 |
| #3 | .3886996 | .0143875 | .0357254 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1382.753 | 2424.218 | 33891.36 | 10497.37 | 3240.601 |
| Stddev    | 10.948   | 10.486   | 109.68   | 31.60    | 13.063   |
| %RSD      | .7917260 | .4325395 | .3236239 | .3010745 | .4031066 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1393.117 | 2421.612 | 33993.55 | 10519.33 | 3250.499 |
| #2 | 1371.303 | 2435.761 | 33775.48 | 10461.15 | 3245.509 |
| #3 | 1383.838 | 2415.281 | 33905.03 | 10511.64 | 3225.795 |

Sample Name: I6162-06      Acquired: 11/3/2017 01:29:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0515509 | -.000098 | .0614284 | -.004167 | .0034953 | 67.44711 | .0941034 |
| Stddev | .0002185 | .000704  | .0011295 | .000857  | .0012781 | .36345   | .0000873 |
| %RSD   | .4238504 | 714.7608 | 1.838752 | 20.56916 | 36.56616 | .5388607 | .0928192 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0518024 | -.000884 | .0619330 | -.003266 | .0048958 | 67.13220 | .0940648 |
| #2 | .0514084 | .000113  | .0622177 | -.004972 | .0023921 | 67.36433 | .0942034 |
| #3 | .0514418 | .000476  | .0601346 | -.004262 | .0031979 | 67.84481 | .0940420 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023873 | -.001975 | -.372257 | .1650522 | .0074031 | .0532901 | 108.2921 |
| Stddev | .0000555 | .000076  | .019000  | .0016289 | .0002300 | .0006018 | .3339    |
| %RSD   | 2.323369 | 3.851612 | 5.103895 | .9868737 | 3.106840 | 1.129211 | .3083119 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024050 | -.001926 | -.393528 | .1632655 | .0072450 | .0535902 | 107.9066 |
| #2 | .0023251 | -.001936 | -.356969 | .1654370 | .0072973 | .0525973 | 108.4888 |
| #3 | .0024317 | -.002062 | -.366274 | .1664543 | .0076669 | .0536828 | 108.4810 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0530022 | .7468888 | .0297557 | -.015396 | .4747863 | .3452244 | -.023501 |
| Stddev | .0004041 | .0084815 | .0001781 | .000260  | .0596513 | .0014619 | .003621  |
| %RSD   | .7624390 | 1.135576 | .5986828 | 1.687920 | 12.56383 | .4234654 | 15.40607 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0531389 | .7379057 | .0298703 | -.015126 | .4094904 | .3436858 | -.027571 |
| #2 | .0533201 | .7480019 | .0298462 | -.015418 | .5264242 | .3453924 | -.020636 |
| #3 | .0525474 | .7547588 | .0295504 | -.015644 | .4884443 | .3465951 | -.022297 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.599880 | .7945915 | -.124565 | .0117548 | .8241506 | 2.142656 | .0079770 |
| Stddev | .048171  | .0208985 | .001030  | .0002833 | .0096985 | .003842  | .0010272 |
| %RSD   | 8.030110 | 2.630089 | .8264729 | 2.410474 | 1.176789 | .1793273 | 12.87683 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.605362 | .7768428 | -.124346 | .0115374 | .8156102 | 2.139994 | .0078455 |
| #2 | -.645075 | .7893067 | -.123663 | .0116517 | .8221472 | 2.147061 | .0070218 |
| #3 | -.549202 | .8176251 | -.125686 | .0120752 | .8346944 | 2.140914 | .0090635 |

Sample Name: I6162-06      Acquired: 11/3/2017 01:29:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4610343 | .0171118 | .0113779 |
| Stddev | .0011043 | .0004435 | .0000297 |
| %RSD   | .2395283 | 2.591716 | .2609622 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4602357 | .0171051 | .0113722 |
| #2 | .4605728 | .0166717 | .0113515 |
| #3 | .4622945 | .0175586 | .0114101 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1420.298 | 2510.070 | 35044.97 | 10854.10 | 3229.181 |
| Stddev    | .721     | 14.981   | 25.64    | 26.95    | 9.352    |
| %RSD      | .0507351 | .5968169 | .0731720 | .2483136 | .2896095 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1420.704 | 2520.128 | 35022.74 | 10883.00 | 3227.519 |
| #2 | 1420.724 | 2517.228 | 35073.02 | 10849.64 | 3239.252 |
| #3 | 1419.466 | 2492.853 | 35039.13 | 10829.65 | 3220.771 |

Sample Name: I6162-07      Acquired: 11/3/2017 01:33:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0424653 | .0032305 | .0533673 | -.002494 | .0025969 | 59.93357 | .0871658 |
| Stddev | .0028546 | .0011202 | .0018742 | .001020  | .0008435 | .12663   | .0000301 |
| %RSD   | 6.722250 | 34.67651 | 3.511809 | 40.89351 | 32.48214 | .2112787 | .0344930 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0449970 | .0019702 | .0547021 | -.001936 | .0016294 | 59.86665 | .0871676 |
| #2 | .0430274 | .0036080 | .0541751 | -.001875 | .0031780 | 59.85444 | .0871950 |
| #3 | .0393714 | .0041131 | .0512247 | -.003671 | .0029833 | 60.07961 | .0871349 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022749 | -.001855 | -.400626 | .1519811 | .0061066 | .0422278 | 104.0171 |
| Stddev | .0000466 | .000119  | .011487  | .0014056 | .0001301 | .0022975 | .3594    |
| %RSD   | 2.048656 | 6.400845 | 2.867374 | .9248513 | 2.130898 | 5.440807 | .3455124 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022352 | -.001958 | -.401901 | .1532063 | .0060379 | .0395814 | 103.6831 |
| #2 | .0023262 | -.001725 | -.411423 | .1504466 | .0060253 | .0433907 | 103.9707 |
| #3 | .0022632 | -.001882 | -.388554 | .1522903 | .0062567 | .0437115 | 104.3974 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0436445 | .7085403 | .0249177 | -.014913 | .4315799 | .3277821 | -.022215 |
| Stddev | .0001772 | .0041005 | .0005146 | .000454  | .0573642 | .0035774 | .002909  |
| %RSD   | .4060664 | .5787222 | 2.065310 | 3.044506 | 13.29169 | 1.091400 | 13.09507 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0434515 | .7104692 | .0254955 | -.015056 | .4917981 | .3314208 | -.022669 |
| #2 | .0437999 | .7113206 | .0247487 | -.015277 | .4253660 | .3242693 | -.019105 |
| #3 | .0436822 | .7038311 | .0245088 | -.014404 | .3775756 | .3276561 | -.024869 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.675591 | .7222168 | -.120120 | .0133016 | .7199154 | 2.302496 | .0063855 |
| Stddev | .016869  | .0070367 | .002105  | .0002371 | .0058156 | .022255  | .0021045 |
| %RSD   | 2.496888 | .9743248 | 1.752678 | 1.782211 | .8078110 | .9665695 | 32.95813 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.669244 | .7172700 | -.121101 | .0131378 | .7132924 | 2.317591 | .0080990 |
| #2 | -.694712 | .7302725 | -.117704 | .0131935 | .7241873 | 2.276937 | .0070210 |
| #3 | -.662816 | .7191077 | -.121556 | .0135734 | .7222665 | 2.312960 | .0040364 |



Sample Name: I6162-07      Acquired: 11/3/2017 01:33:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4513131 | .0130562 | .0109744 |
| Stddev | .0022703 | .0005102 | .0000284 |
| %RSD   | .5030348 | 3.907907 | .2590041 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4513455 | .0128409 | .0109766 |
| #2 | .4490267 | .0126890 | .0110016 |
| #3 | .4535669 | .0136388 | .0109449 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1429.661 | 2519.357 | 35188.27 | 10843.23 | 3268.368 |
| Stddev    | 23.606   | 15.234   | 325.65   | 13.39    | 8.772    |
| %RSD      | 1.651146 | .6046676 | .9254633 | .1235059 | .2683769 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1437.051 | 2503.655 | 35296.38 | 10847.88 | 3258.506 |
| #2 | 1403.244 | 2520.339 | 34822.31 | 10853.67 | 3275.296 |
| #3 | 1448.688 | 2534.075 | 35446.11 | 10828.13 | 3271.304 |

Sample Name: I6162-08      Acquired: 11/3/2017 01:38:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1009447 | -.002624 | 1.142417 | -.003030 | .0053524 | 55.53260 | .5203287 |
| Stddev | .0017435 | .002912  | .004492  | .000833  | .0003795 | .18024   | .0021140 |
| %RSD   | 1.727184 | 110.9956 | .3932419 | 27.48117 | 7.089579 | .3245615 | .4062871 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0993605 | -.001066 | 1.139642 | -.003549 | .0057872 | 55.34535 | .5186530 |
| #2 | .1006611 | -.000822 | 1.140009 | -.002070 | .0050881 | 55.54757 | .5196293 |
| #3 | .1028127 | -.005984 | 1.147600 | -.003472 | .0051820 | 55.70489 | .5227038 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0032364 | .0017818 | 94.80381 | .1238733 | .0187601 | .1807797 | 78.45026 |
| Stddev | .0000757 | .0000724 | .57058   | .0007292 | .0003801 | .0015257 | .54035   |
| %RSD   | 2.337667 | 4.064671 | .6018510 | .5886685 | 2.026094 | .8439465 | .6887853 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0032727 | .0017903 | 94.41191 | .1231511 | .0190098 | .1793290 | 77.94166 |
| #2 | .0031494 | .0017055 | 94.54110 | .1238595 | .0183227 | .1806394 | 78.39154 |
| #3 | .0032871 | .0018496 | 95.45843 | .1246093 | .0189478 | .1823706 | 79.01757 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8893449 | 14.18888 | .0555497 | -.009630 | 1.384881 | .1821796 | 1.998414 |
| Stddev | .0080459 | .07762   | .0005067 | .000274  | .042893  | .0019095 | .027129  |
| %RSD   | .9047008 | .5470772 | .9121857 | 2.844520 | 3.097214 | 1.048152 | 1.357519 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8838945 | 14.11570 | .0552156 | -.009710 | 1.421178 | .1813595 | 1.967362 |
| #2 | .8855543 | 14.18064 | .0553008 | -.009855 | 1.337549 | .1808172 | 2.010364 |
| #3 | .8985860 | 14.27029 | .0561328 | -.009325 | 1.395915 | .1843622 | 2.017517 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.815687 | 4.913090 | -.065301 | .0040448 | 3.112874 | 9.310278 | .0148953 |
| Stddev | .030741  | .047873  | .000363  | .0000639 | .026599  | .068993  | .0037078 |
| %RSD   | 1.693057 | .9743889 | .5556814 | 1.579614 | .8544993 | .7410375 | 24.89201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.786628 | 4.867488 | -.064906 | .0039903 | 3.087881 | 9.243867 | .0144368 |
| #2 | 1.812561 | 4.962949 | -.065619 | .0041151 | 3.109910 | 9.305376 | .0114382 |
| #3 | 1.847871 | 4.908833 | -.065379 | .0040291 | 3.140831 | 9.381591 | .0188110 |

Sample Name: I6162-08      Acquired: 11/3/2017 01:38:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.085513 | .0369297 | .4925887 |
| Stddev | .003546  | .0004019 | .0023605 |
| %RSD   | .3266534 | 1.088281 | .4791960 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.082268 | .0367800 | .4907715 |
| #2 | 1.084973 | .0366241 | .4917379 |
| #3 | 1.089298 | .0373850 | .4952566 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1345.938 | 2368.105 | 33520.24 | 10619.01 | 3052.131 |
| Stddev    | 12.953   | 1.759    | 77.72    | 52.49    | 9.179    |
| %RSD      | .9623788 | .0742680 | .2318666 | .4943064 | .3007484 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1360.574 | 2367.154 | 33609.90 | 10672.61 | 3052.454 |
| #2 | 1335.951 | 2370.135 | 33478.79 | 10616.70 | 3061.144 |
| #3 | 1341.288 | 2367.027 | 33472.03 | 10567.71 | 3042.794 |

Sample Name: I6162-09      Acquired: 11/3/2017 01:42:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2978298 | .0000961 | .9594114 | -.000514 | .0031747 | 51.82591 | .5978693 |
| Stddev | .0024648 | .0009547 | .0034150 | .003227  | .0003553 | .04527   | .0013491 |
| %RSD   | .8275856 | 993.3157 | .3559427 | 627.8989 | 11.19259 | .0873585 | .2256525 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3006223 | .0011520 | .9593323 | .001909  | .0027644 | 51.77484 | .5965264 |
| #2 | .2969098 | -.000158 | .9560367 | -.004177 | .0033788 | 51.84173 | .5978570 |
| #3 | .2959573 | -.000706 | .9628652 | .000727  | .0033810 | 51.86114 | .5992245 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024991 | .0009376 | 15.43099 | .0956696 | .0102302 | .2189642 | 62.18938 |
| Stddev | .0000720 | .0001183 | .08803   | .0007535 | .0002798 | .0009022 | .33887   |
| %RSD   | 2.879216 | 12.62108 | .5704927 | .7876324 | 2.735038 | .4120154 | .5449078 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0024937 | .0008781 | 15.35181 | .0948671 | .0105484 | .2180290 | 62.08040 |
| #2 | .0025736 | .0010739 | 15.41536 | .0963620 | .0101190 | .2198293 | 61.91840 |
| #3 | .0024300 | .0008609 | 15.52579 | .0957796 | .0100230 | .2190342 | 62.56934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4042318 | 4.084924 | .0442522 | -.008333 | .3071884 | .1817986 | .8762175 |
| Stddev | .0011675 | .015020  | .0002472 | .000404  | .0594929 | .0008675 | .0048103 |
| %RSD   | .2888210 | .3677054 | .5586545 | 4.850135 | 19.36692 | .4771764 | .5489899 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4033115 | 4.070745 | .0443243 | -.008394 | .3747424 | .1817132 | .8709549 |
| #2 | .4038388 | 4.100664 | .0444554 | -.008702 | .2842166 | .1809770 | .8803876 |
| #3 | .4055451 | 4.083364 | .0439770 | -.007901 | .2626062 | .1827057 | .8773101 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.020894 | 4.276250 | -.062548 | .0030639 | .9655655 | 2.229198 | .0158152 |
| Stddev | .038970  | .031456  | .000638  | .0001105 | .0067420 | .002854  | .0030813 |
| %RSD   | 186.5152 | .7355918 | 1.020484 | 3.605682 | .6982416 | .1280291 | 19.48289 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .012907  | 4.305020 | -.061836 | .0030340 | .9715962 | 2.226336 | .0186875 |
| #2 | -.063519 | 4.281067 | -.063069 | .0029715 | .9668137 | 2.232044 | .0161976 |
| #3 | -.012068 | 4.242664 | -.062738 | .0031863 | .9582867 | 2.229214 | .0125607 |

Sample Name: I6162-09      Acquired: 11/3/2017 01:42:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4603848 | .0279014 | .1360111 |
| Stddev | .0026662 | .0002215 | .0000651 |
| %RSD   | .5791357 | .7938417 | .0478673 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4600205 | .0277063 | .1359382 |
| #2 | .4632145 | .0281422 | .1360317 |
| #3 | .4579194 | .0278558 | .1360635 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1384.430 | 2449.889 | 34488.54 | 10580.75 | 3260.338 |
| Stddev    | 8.697    | 9.407    | 44.59    | 11.15    | 6.216    |
| %RSD      | .6282129 | .3839588 | .1292802 | .1053937 | .1906509 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1374.725 | 2439.136 | 34453.79 | 10577.99 | 3254.296 |
| #2 | 1387.046 | 2456.597 | 34538.81 | 10593.02 | 3266.714 |
| #3 | 1391.519 | 2453.933 | 34473.02 | 10571.23 | 3260.005 |

Sample Name: I6162-10      Acquired: 11/3/2017 01:46:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EE9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2045037 | .0001257 | .1266747 | -.002784 | .0037014 | 61.88424 | .2586933 |
| Stddev | .0004566 | .0021101 | .0016464 | .002044  | .0012182 | .35030   | .0008996 |
| %RSD   | .2232852 | 1678.104 | 1.299667 | 73.42132 | 32.91118 | .5660544 | .3477333 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2049907 | -.001579 | .1256262 | -.004968 | .0037053 | 62.14670 | .2591882 |
| #2 | .2040851 | .002486  | .1258256 | -.002469 | .0024813 | 61.48647 | .2576549 |
| #3 | .2044353 | -.000530 | .1285722 | -.000916 | .0049176 | 62.01956 | .2592367 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025894 | -.000790 | 7.306253 | .1083900 | .0100991 | .0506218 | 70.47383 |
| Stddev | .0001104 | .000043  | .024980  | .0010049 | .0001022 | .0009352 | .15726   |
| %RSD   | 4.261994 | 5.407036 | .3418955 | .9271385 | 1.011623 | 1.847450 | .2231409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026348 | -.000827 | 7.279910 | .1087718 | .0101908 | .0512613 | 70.64532 |
| #2 | .0026698 | -.000799 | 7.309248 | .1091480 | .0099889 | .0495485 | 70.33638 |
| #3 | .0024636 | -.000743 | 7.329600 | .1072501 | .0101175 | .0510557 | 70.43978 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2479118 | 4.542994 | .0331674 | -.010405 | .3399440 | .1968350 | .1511667 |
| Stddev | .0010479 | .024119  | .0008182 | .000143  | .0483077 | .0012146 | .0094271 |
| %RSD   | .4227013 | .5309072 | 2.466972 | 1.376965 | 14.21048 | .6170703 | 6.236207 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2489476 | 4.565863 | .0327815 | -.010291 | .3875561 | .1958751 | .1455524 |
| #2 | .2468522 | 4.517794 | .0326135 | -.010566 | .3413064 | .1982005 | .1620503 |
| #3 | .2479357 | 4.545325 | .0341072 | -.010358 | .2909696 | .1964293 | .1458973 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.004126 | 1.359202 | -.075342 | .0032837 | .4791313 | 3.475433 | .0064577 |
| Stddev | .025887  | .009942  | .001892  | .0001521 | .0021972 | .028609  | .0035181 |
| %RSD   | 627.4600 | .7314506 | 2.511812 | 4.632312 | .4585777 | .8231853 | 54.47947 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .012560  | 1.357222 | -.077513 | .0031278 | .4769214 | 3.503820 | .0034167 |
| #2 | -.033948 | 1.350399 | -.074037 | .0034317 | .4791569 | 3.446607 | .0056455 |
| #3 | .009010  | 1.369985 | -.074477 | .0032918 | .4813156 | 3.475873 | .0103108 |

Sample Name: I6162-10      Acquired: 11/3/2017 01:46:57      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EE9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5209124 | .0374028 | .0947433 |
| Stddev | .0029033 | .0003617 | .0003199 |
| %RSD   | .5573551 | .9671713 | .3376570 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5241401 | .0374103 | .0949376 |
| #2 | .5185139 | .0377607 | .0943740 |
| #3 | .5200831 | .0370373 | .0949181 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1418.463 | 2469.840 | 34753.11 | 10646.91 | 3277.069 |
| Stddev    | 22.800   | 6.584    | 315.96   | 81.59    | 7.595    |
| %RSD      | 1.607391 | .2665738 | .9091665 | .7663697 | .2317692 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1400.295 | 2471.135 | 34492.55 | 10553.46 | 3278.826 |
| #2 | 1411.046 | 2475.681 | 34662.21 | 10704.04 | 3283.633 |
| #3 | 1444.048 | 2462.705 | 35104.56 | 10683.24 | 3268.750 |

Sample Name: I6162-11      Acquired: 11/3/2017 01:51:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0389135 | .0025082 | .0814083 | -.003993 | .0048017 | 118.7186 | .3274419 |
| Stddev | .0028111 | .0037614 | .0016492 | .002851  | .0021446 | .3095    | .0003212 |
| %RSD   | 7.224036 | 149.9638 | 2.025817 | 71.38490 | 44.66428 | .2606888 | .0980909 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0420902 | .0051877 | .0819460 | -.004595 | .0023795 | 118.9780 | .3273058 |
| #2 | .0367474 | .0041289 | .0795573 | -.006495 | .0064592 | 118.8019 | .3278088 |
| #3 | .0379027 | -.001792 | .0827215 | -.000890 | .0055663 | 118.3760 | .3272113 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0039510 | -.001862 | 6.938922 | .2156795 | .0147524 | .0545889 | 121.5602 |
| Stddev | .0001176 | .000008  | .073309  | .0011268 | .0002114 | .0005683 | .4149    |
| %RSD   | 2.977591 | .4114567 | 1.056493 | .5224218 | 1.432723 | 1.041061 | .3412987 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0038162 | -.001870 | 6.866950 | .2166773 | .0145849 | .0552152 | 121.0821 |
| #2 | .0040329 | -.001863 | 6.936318 | .2159036 | .0146823 | .0541062 | 121.7731 |
| #3 | .0040038 | -.001854 | 7.013499 | .2144575 | .0149899 | .0544452 | 121.8254 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1922580 | 5.184794 | .0484293 | -.017487 | .5132429 | .3785420 | .0662967 |
| Stddev | .0008380 | .026861  | .0011058 | .000179  | .0253794 | .0022127 | .0042642 |
| %RSD   | .4358924 | .5180757 | 2.283266 | 1.023660 | 4.944910 | .5845308 | 6.432024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1921762 | 5.158503 | .0473067 | -.017467 | .5268555 | .3774626 | .0671535 |
| #2 | .1914638 | 5.183687 | .0484639 | -.017318 | .4839614 | .3810872 | .0700675 |
| #3 | .1931339 | 5.212191 | .0495174 | -.017675 | .5289120 | .3770762 | .0616691 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.506853 | .9665869 | -.134027 | .0063421 | .4044597 | 4.537167 | .0107839 |
| Stddev | .008077  | .0179305 | .000878  | .0004026 | .0094617 | .025868  | .0021556 |
| %RSD   | .5360501 | 1.855036 | .6553581 | 6.347816 | 2.339346 | .5701299 | 19.98955 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.498519 | .9472836 | -.133345 | .0062791 | .3962649 | 4.507636 | .0120508 |
| #2 | 1.514647 | .9697546 | -.135018 | .0067724 | .4022995 | 4.555817 | .0120060 |
| #3 | 1.507394 | .9827225 | -.133718 | .0059746 | .4148147 | 4.548047 | .0082949 |



Sample Name: I6162-11      Acquired: 11/3/2017 01:51:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8709714 | .0612195 | .1086167 |
| Stddev | .0010616 | .0004525 | .0003608 |
| %RSD   | .1218888 | .7391730 | .3322035 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8721952 | .0607009 | .1089849 |
| #2 | .8704215 | .0614235 | .1086014 |
| #3 | .8702975 | .0615342 | .1082637 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1386.004 | 2445.254 | 33890.88 | 10593.61 | 3153.032 |
| Stddev    | 3.030    | 19.488   | 78.72    | 19.79    | 25.894   |
| %RSD      | .2186492 | .7969642 | .2322740 | .1868572 | .8212348 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1384.262 | 2460.415 | 33814.53 | 10615.91 | 3175.171 |
| #2 | 1384.247 | 2452.076 | 33886.33 | 10586.80 | 3159.365 |
| #3 | 1389.504 | 2423.273 | 33971.77 | 10578.12 | 3124.559 |

Sample Name: I6162-12      Acquired: 11/3/2017 01:55:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0181565 | .0008383 | .0762636 | .0009316 | .0043064 | 93.59540 | .1830262 |
| Stddev | .0027696 | .0024151 | .0021174 | .0021401 | .0002569 | .93416   | .0016358 |
| %RSD   | 15.25386 | 288.1021 | 2.776432 | 229.7170 | 5.966437 | .9980879 | .8937476 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0192630 | -.001949 | .0780594 | -.000070 | .0042836 | 94.00720 | .1838895 |
| #2 | .0202018 | .002166  | .0739288 | .003389  | .0045739 | 94.25292 | .1840495 |
| #3 | .0150048 | .002298  | .0768025 | -.000524 | .0040616 | 92.52609 | .1811396 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023112 | -.001893 | 3.488593 | .1553071 | .0075144 | .0485310 | 88.96506 |
| Stddev | .0000182 | .000191  | .030623  | .0020343 | .0000349 | .0003924 | .66149   |
| %RSD   | .7857789 | 10.08008 | .8777935 | 1.309889 | .4649261 | .8086282 | .7435349 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023293 | -.002039 | 3.489652 | .1531966 | .0074763 | .0481046 | 89.29420 |
| #2 | .0023114 | -.001964 | 3.518673 | .1572557 | .0075221 | .0486116 | 89.39741 |
| #3 | .0022930 | -.001677 | 3.457455 | .1554689 | .0075449 | .0488769 | 88.20357 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0707338 | 1.359208 | .0377944 | -.013074 | .2890690 | .2884562 | -.009901 |
| Stddev | .0007836 | .011653  | .0001049 | .000062  | .0958255 | .0028669 | .002584  |
| %RSD   | 1.107756 | .8573046 | .2776133 | .4763632 | 33.14970 | .9938686 | 26.09805 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0698455 | 1.363141 | .0377083 | -.013099 | .3978048 | .2910238 | -.011454 |
| #2 | .0710291 | 1.368386 | .0379113 | -.013120 | .2169553 | .2889818 | -.006918 |
| #3 | .0713268 | 1.346098 | .0377636 | -.013003 | .2524468 | .2853628 | -.011331 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1254122 | .7935346 | -.098932 | .0043035 | .3459166 | 4.638673 | .0066437 |
| Stddev | .0398462 | .0032442 | .000548  | .0003116 | .0019811 | .021557  | .0029059 |
| %RSD   | 31.77219 | .4088266 | .5541016 | 7.240825 | .5726988 | .4647185 | 43.73893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1578585 | .7898651 | -.098751 | .0044572 | .3466113 | 4.636547 | .0099496 |
| #2 | .1374406 | .7960219 | -.099548 | .0045084 | .3474567 | 4.661214 | .0044933 |
| #3 | .0809375 | .7947168 | -.098498 | .0039449 | .3436817 | 4.618258 | .0054882 |

Sample Name: I6162-12      Acquired: 11/3/2017 01:55:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6268890 | .0229773 | .0487419 |
| Stddev | .0034532 | .0003938 | .0004169 |
| %RSD   | .5508510 | 1.713736 | .8553737 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6281943 | .0225434 | .0490505 |
| #2 | .6294993 | .0233119 | .0489075 |
| #3 | .6229734 | .0230767 | .0482676 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1392.802 | 2447.830 | 33997.17 | 10630.53 | 3218.614 |
| Stddev    | 3.155    | 4.294    | 85.04    | 70.42    | 2.444    |
| %RSD      | .2265260 | .1754215 | .2501413 | .6624075 | .0759204 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1396.445 | 2451.894 | 34094.69 | 10587.02 | 3215.913 |
| #2 | 1391.015 | 2448.256 | 33938.39 | 10592.80 | 3219.257 |
| #3 | 1390.946 | 2443.338 | 33958.44 | 10711.77 | 3220.672 |

Sample Name: I6162-13      Acquired: 11/3/2017 02:00:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101785 | .0000122 | .0416876 | -.003978 | .0031458 | 42.54754 | .0918535 |
| Stddev | .0005050 | .0005039 | .0014549 | .001593  | .0009997 | .02010   | .0004918 |
| %RSD   | 4.961405 | 4133.268 | 3.490057 | 40.05327 | 31.77932 | .0472500 | .5353626 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0106757 | -.000156 | .0409427 | -.002950 | .0026311 | 42.56844 | .0917976 |
| #2 | .0101937 | -.000386 | .0433641 | -.005814 | .0025083 | 42.52834 | .0923708 |
| #3 | .0096661 | .000579  | .0407559 | -.003171 | .0042980 | 42.54584 | .0913921 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014180 | -.001317 | 1.075012 | .1355555 | .0049751 | .0377641 | 63.30455 |
| Stddev | .0000464 | .000055  | .014609  | .0009245 | .0001598 | .0016368 | .13586   |
| %RSD   | 3.274164 | 4.148733 | 1.358989 | .6819956 | 3.212140 | 4.334214 | .2146116 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013707 | -.001254 | 1.088185 | .1358295 | .0051594 | .0394305 | 63.30957 |
| #2 | .0014199 | -.001352 | 1.059300 | .1363119 | .0048751 | .0377034 | 63.16625 |
| #3 | .0014635 | -.001345 | 1.077552 | .1345250 | .0048908 | .0361586 | 63.43783 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0623544 | .6863547 | .0188487 | -.009439 | .2385778 | .2820215 | -.006590 |
| Stddev | .0001197 | .0065072 | .0004776 | .000141  | .0525178 | .0022093 | .002046  |
| %RSD   | .1920033 | .9480823 | 2.534081 | 1.491201 | 22.01286 | .7833917 | 31.04048 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0622357 | .6788409 | .0193869 | -.009367 | .2762351 | .2795071 | -.008732 |
| #2 | .0624751 | .6900950 | .0186841 | -.009349 | .1785841 | .2836525 | -.006381 |
| #3 | .0623524 | .6901283 | .0184751 | -.009602 | .2609142 | .2829048 | -.004657 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.977933 | .6017488 | -.073791 | .0070303 | .1529855 | 4.427043 | .0020035 |
| Stddev | .030946  | .0034940 | .000306  | .0002074 | .0049805 | .004465  | .0022743 |
| %RSD   | 3.164426 | .5806353 | .4143667 | 2.949975 | 3.255524 | .1008468 | 113.5131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.975760 | .6057762 | -.074068 | .0067961 | .1586274 | 4.428039 | .0009490 |
| #2 | -1.00991 | .5999413 | -.073842 | .0071908 | .1491990 | 4.430925 | .0046136 |
| #3 | -.94813  | .5995288 | -.073463 | .0071040 | .1511302 | 4.422164 | .0004479 |

Sample Name: I6162-13      Acquired: 11/3/2017 02:00:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4491773 | .0056448 | .0182225 |
| Stddev | .0019297 | .0006505 | .0000652 |
| %RSD   | .4296158 | 11.52306 | .3579648 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4480661 | .0061919 | .0181481 |
| #2 | .4480604 | .0058169 | .0182701 |
| #3 | .4514056 | .0049256 | .0182493 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1404.571 | 2482.444 | 34563.85 | 10590.87 | 3341.841 |
| Stddev    | 11.953   | 7.566    | 98.57    | 2.99     | 11.602   |
| %RSD      | .8510414 | .3047964 | .2851751 | .0282319 | .3471666 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1404.159 | 2473.746 | 34556.85 | 10587.50 | 3330.455 |
| #2 | 1392.829 | 2486.079 | 34468.97 | 10593.22 | 3341.422 |
| #3 | 1416.725 | 2487.507 | 34665.73 | 10591.89 | 3353.647 |

Sample Name: I6162-17      Acquired: 11/3/2017 02:04:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.005336 | -.009272 | .0877625 | -.022606 | .0116753 | 100.5976 | .1230482 |
| Stddev | .004429  | .002244  | .0007487 | .001950  | .0024880 | .1567    | .0007352 |
| %RSD   | 83.00997 | 24.19737 | .8531222 | 8.627316 | 21.31013 | .1557588 | .5975171 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000321 | -.006707 | .0885304 | -.024843 | .0138699 | 100.5490 | .1238964 |
| #2 | -.008713 | -.010868 | .0870345 | -.021266 | .0089724 | 100.7728 | .1225915 |
| #3 | -.006973 | -.010242 | .0877227 | -.021708 | .0121837 | 100.4710 | .1226568 |

|        |          |          |         |          |          |          |          |
|--------|----------|----------|---------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736  | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm     | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0089240 | -.005842 | ^ ***** | .1803880 | .0584986 | .0602021 | 422.0326 |
| Stddev | .0000658 | .000088  | -----   | .0012215 | .0002142 | .0017555 | 1.4138   |
| %RSD   | .7371871 | 1.512950 | -----   | .6771266 | .3661274 | 2.915984 | .3349909 |

|    |          |          |         |          |          |          |          |
|----|----------|----------|---------|----------|----------|----------|----------|
| #1 | .0089500 | -.005931 | ^ ----- | .1789815 | .0582534 | .0601409 | 422.8198 |
| #2 | .0089728 | -.005842 | ^ ----- | .1810000 | .0585937 | .0584779 | 422.8776 |
| #3 | .0088492 | -.005754 | ^ ----- | .1811825 | .0586488 | .0619873 | 420.4005 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7181736 | 1.955469 | .0721349 | -.061891 | 1.035000 | .3318609 | .0571876 |
| Stddev | .0004626 | .022164  | .0005970 | .000314  | .011016  | .0051352 | .0090898 |
| %RSD   | .0644193 | 1.133433 | .8276582 | .5066258 | 1.064333 | 1.547386 | 15.89462 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7181264 | 1.935044 | .0715043 | -.061537 | 1.044554 | .3346086 | .0467466 |
| #2 | .7186581 | 1.952327 | .0722089 | -.062001 | 1.022950 | .3350377 | .0633368 |
| #3 | .7177364 | 1.979036 | .0726915 | -.062135 | 1.037495 | .3259365 | .0614794 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.642159 | 3.102632 | -.502155 | .0060576 | .4226401 | 2.927656 | .0285356 |
| Stddev | .027145  | .025938  | .004151  | .0003512 | .0029781 | .013547  | .0022198 |
| %RSD   | 4.227142 | .8359871 | .8267232 | 5.797039 | .7046514 | .4627328 | 7.779151 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.618711 | 3.072732 | -.497471 | .0058446 | .4205526 | 2.912420 | .0272220 |
| #2 | -.635870 | 3.116086 | -.505382 | .0064629 | .4213171 | 2.938343 | .0272862 |
| #3 | -.671897 | 3.119078 | -.503611 | .0058652 | .4260505 | 2.932206 | .0310985 |

Sample Name: I6162-17      Acquired: 11/3/2017 02:04:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9655882 | .0298424 | .0225369 |
| Stddev | .0055846 | .0000289 | .0000520 |
| %RSD   | .5783632 | .0966667 | .2308876 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9607944 | .0298589 | .0225739 |
| #2 | .9717204 | .0298593 | .0225594 |
| #3 | .9642498 | .0298091 | .0224774 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1352.867 | 2403.438 | 33809.90 | 10556.07 | 3073.300 |
| Stddev    | 7.018    | 5.159    | 85.44    | 16.39    | 3.991    |
| %RSD      | .5187556 | .2146667 | .2526958 | .1552698 | .1298587 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1353.589 | 2397.782 | 33874.70 | 10562.49 | 3075.581 |
| #2 | 1345.516 | 2404.647 | 33841.93 | 10537.44 | 3075.627 |
| #3 | 1359.497 | 2407.886 | 33713.08 | 10568.28 | 3068.692 |

Sample Name: I6162-18      Acquired: 11/3/2017 02:08:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0225909 | -.003033 | .1815678 | -.018556 | .0091018 | 84.34949 | .1545921 |
| Stddev | .0060138 | .001023  | .0047270 | .000704  | .0008804 | .04696   | .0005370 |
| %RSD   | 26.62041 | 33.71991 | 2.603458 | 3.795258 | 9.672875 | .0556761 | .3473360 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0292927 | -.003938 | .1834071 | -.017757 | .0101183 | 84.39381 | .1552104 |
| #2 | .0176649 | -.003237 | .1761976 | -.018825 | .0086073 | 84.30026 | .1543221 |
| #3 | .0208152 | -.001923 | .1850988 | -.019086 | .0085798 | 84.35439 | .1542437 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071395 | -.004299 | -1.83115 | .1614759 | .0427950 | .0636261 | 317.4569 |
| Stddev | .0000918 | .000189  | .10311   | .0001807 | .0007974 | .0001411 | 1.3435   |
| %RSD   | 1.285479 | 4.390650 | 5.630740 | .1119075 | 1.863222 | .2217145 | .4232220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0071903 | -.004283 | -1.84638 | .1616803 | .0427919 | .0635688 | 317.1389 |
| #2 | .0071945 | -.004495 | -1.92579 | .1613376 | .0419992 | .0637868 | 318.9310 |
| #3 | .0070335 | -.004119 | -1.72127 | .1614096 | .0435939 | .0635227 | 316.3009 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6238046 | 1.880116 | .0643026 | -.045817 | .8564679 | .2862520 | .2285892 |
| Stddev | .0020382 | .011554  | .0003239 | .000476  | .0172917 | .0007667 | .0085290 |
| %RSD   | .3267338 | .6145147 | .5037234 | 1.038891 | 2.018956 | .2678581 | 3.731133 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6219851 | 1.892961 | .0646711 | -.046365 | .8519130 | .2861410 | .2191585 |
| #2 | .6260071 | 1.870573 | .0640633 | -.045498 | .8419097 | .2870683 | .2357620 |
| #3 | .6234215 | 1.876813 | .0641732 | -.045590 | .8755812 | .2855469 | .2308472 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.536409 | 2.574036 | -.375824 | .0037130 | .3823402 | 6.425924 | .0234218 |
| Stddev | .045659  | .015083  | .001986  | .0002965 | .0058098 | .010080  | .0018610 |
| %RSD   | 8.511936 | .5859585 | .5284480 | 7.986036 | 1.519534 | .1568683 | 7.945589 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.503309 | 2.588889 | -.375872 | .0039640 | .3867687 | 6.425884 | .0254439 |
| #2 | -.588498 | 2.558733 | -.377786 | .0033858 | .3757619 | 6.436024 | .0230406 |
| #3 | -.517421 | 2.574486 | -.373815 | .0037894 | .3844900 | 6.415863 | .0217809 |



Sample Name: I6162-18      Acquired: 11/3/2017 02:08:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.023312 | .0281408 | .0385165 |
| Stddev | .000334  | .0003023 | .0001739 |
| %RSD   | .0326131 | 1.074128 | .4514599 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.022934 | .0283248 | .0386221 |
| #2 | 1.023437 | .0277920 | .0386116 |
| #3 | 1.023565 | .0283057 | .0383158 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1379.267 | 2446.020 | 34336.28 | 10653.37 | 3135.056 |
| Stddev    | 7.267    | 10.455   | 106.32   | 34.55    | 19.788   |
| %RSD      | .5268834 | .4274262 | .3096466 | .3243095 | .6311897 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1371.587 | 2437.247 | 34227.76 | 10645.76 | 3128.132 |
| #2 | 1386.035 | 2457.588 | 34440.25 | 10623.25 | 3157.375 |
| #3 | 1380.180 | 2443.224 | 34340.82 | 10691.09 | 3119.659 |

Sample Name: I6162-19      Acquired: 11/3/2017 02:13:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1492922 | -.002442 | .3848135 | .0016716 | .0025519 | 40.96102 | .2894248 |
| Stddev | .0029140 | .000396  | .0013439 | .0034205 | .0004218 | .09218   | .0011412 |
| %RSD   | 1.951862 | 16.23659 | .3492445 | 204.6273 | 16.52781 | .2250376 | .3943113 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1488754 | -.002407 | .3838242 | .0043047 | .0029783 | 41.00520 | .2881116 |
| #2 | .1523921 | -.002855 | .3842728 | -.002194 | .0021349 | 41.02280 | .2899861 |
| #3 | .1466090 | -.002064 | .3863436 | .002904  | .0025425 | 40.85507 | .2901767 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022075 | -.000302 | 2.074136 | .0684389 | .0118260 | .0705180 | 53.52361 |
| Stddev | .0000680 | .000052  | .014105  | .0005013 | .0000744 | .0012982 | .17453   |
| %RSD   | 3.081034 | 17.30871 | .6800464 | .7325009 | .6292085 | 1.840887 | .3260793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022749 | -.000311 | 2.062876 | .0683108 | .0118772 | .0691803 | 53.41980 |
| #2 | .0022086 | -.000246 | 2.089957 | .0680141 | .0118602 | .0717726 | 53.72511 |
| #3 | .0021389 | -.000350 | 2.069573 | .0689919 | .0117407 | .0706012 | 53.42593 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4011837 | 1.814714 | .0404506 | -.007895 | .2111910 | .1220117 | .3189520 |
| Stddev | .0014165 | .031079  | .0002577 | .000113  | .0953689 | .0017149 | .0020384 |
| %RSD   | .3530874 | 1.712624 | .6370149 | 1.432793 | 45.15767 | 1.405545 | .6391033 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4018375 | 1.850005 | .0404103 | -.008019 | .1131181 | .1223069 | .3193112 |
| #2 | .4021552 | 1.802714 | .0407260 | -.007866 | .3036039 | .1201683 | .3207870 |
| #3 | .3995583 | 1.791424 | .0402154 | -.007798 | .2168510 | .1235598 | .3167579 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.26000 | 1.133657 | -.060726 | .0018593 | .3463679 | 4.487537 | .0055106 |
| Stddev | .02244   | .004743  | .000550  | .0002347 | .0044676 | .011932  | .0021237 |
| %RSD   | 1.781225 | .4183993 | .9053447 | 12.62097 | 1.289836 | .2658968 | 38.53939 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.23549 | 1.130172 | -.061069 | .0017092 | .3421418 | 4.501130 | .0051942 |
| #2 | -1.27955 | 1.139058 | -.061017 | .0021297 | .3510431 | 4.478793 | .0035628 |
| #3 | -1.26494 | 1.131739 | -.060092 | .0017390 | .3459187 | 4.482687 | .0077748 |

Sample Name: I6162-19      Acquired: 11/3/2017 02:13:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5105329 | .0243747 | .0284241 |
| Stddev | .0019131 | .0002987 | .0000693 |
| %RSD   | .3747291 | 1.225451 | .2437056 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5115833 | .0246906 | .0284758 |
| #2 | .5116907 | .0243367 | .0284511 |
| #3 | .5083247 | .0240968 | .0283454 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1430.427 | 2524.259 | 35477.78 | 10811.99 | 3328.341 |
| Stddev    | 9.992    | 4.826    | 49.66    | 74.38    | 3.373    |
| %RSD      | .6985582 | .1912003 | .1399779 | .6879262 | .1013476 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1423.859 | 2519.168 | 35421.86 | 10752.57 | 3327.396 |
| #2 | 1425.495 | 2524.841 | 35516.73 | 10787.99 | 3325.541 |
| #3 | 1441.926 | 2528.768 | 35494.74 | 10895.40 | 3332.086 |

Sample Name: I6162-20      Acquired: 11/3/2017 02:17:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0370800 | .0002296 | .1302503 | .0008120 | .0015125 | 18.33953 | .1256483 |
| Stddev | .0004324 | .0016338 | .0024794 | .0027388 | .0014452 | .05416   | .0004192 |
| %RSD   | 1.166065 | 711.5801 | 1.903561 | 337.3003 | 95.54886 | .2953325 | .3335985 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0366171 | -.001652 | .1300225 | -.002179 | .0000400 | 18.27909 | .1260883 |
| #2 | .0371495 | .001055  | .1278926 | .003196  | .0029288 | 18.35584 | .1252538 |
| #3 | .0374734 | .001286  | .1328357 | .001419  | .0015688 | 18.38366 | .1256027 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008897 | -.000221 | .8291783 | .0365806 | .0036931 | .0278736 | 25.12713 |
| Stddev | .0000633 | .000028  | .0164062 | .0005600 | .0001690 | .0014339 | .12953   |
| %RSD   | 7.118622 | 12.78754 | 1.978613 | 1.530845 | 4.575909 | 5.144417 | .5155135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008865 | -.000253 | .8273394 | .0370468 | .0035001 | .0289489 | 25.13752 |
| #2 | .0009545 | -.000210 | .8464265 | .0367354 | .0038147 | .0262455 | 25.25116 |
| #3 | .0008280 | -.000201 | .8137690 | .0359594 | .0037645 | .0284263 | 24.99272 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2837777 | .6135009 | .0127140 | -.004172 | .1349306 | .0707967 | .1096293 |
| Stddev | .0022578 | .0171171 | .0004729 | .000360  | .1007931 | .0023585 | .0006711 |
| %RSD   | .7956070 | 2.790060 | 3.719902 | 8.634992 | 74.69999 | 3.331391 | .6121432 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2824441 | .6299566 | .0128604 | -.003771 | .2446129 | .0704129 | .1094059 |
| #2 | .2863845 | .5957915 | .0121852 | -.004469 | .0463761 | .0686536 | .1103836 |
| #3 | .2825045 | .6147546 | .0130965 | -.004275 | .1138027 | .0733236 | .1090984 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.85655 | .4477205 | -.031791 | .0007005 | .1123051 | 3.158570 | .0022905 |
| Stddev | .03338   | .0035474 | .001144  | .0002889 | .0026099 | .015676  | .0008522 |
| %RSD   | 1.797733 | .7923226 | 3.598948 | 41.24814 | 2.323937 | .4962965 | 37.20616 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.89164 | .4443873 | -.030742 | .0007342 | .1152406 | 3.162638 | .0025999 |
| #2 | -1.82520 | .4473254 | -.033011 | .0009711 | .1102469 | 3.171811 | .0029449 |
| #3 | -1.85280 | .4514490 | -.031620 | .0003962 | .1114278 | 3.141261 | .0013268 |

Sample Name: I6162-20      Acquired: 11/3/2017 02:17:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EF7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3849035 | .0058953 | .0105281 |
| Stddev | .0021660 | .0003992 | .0000326 |
| %RSD   | .5627401 | 6.772164 | .3100431 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3856179 | .0054343 | .0105154 |
| #2 | .3866222 | .0061245 | .0105651 |
| #3 | .3824706 | .0061271 | .0105037 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1410.998 | 2495.320 | 35181.32 | 10563.97 | 3454.823 |
| Stddev    | 2.922    | 3.899    | 156.88   | 58.82    | 5.260    |
| %RSD      | .2070572 | .1562460 | .4459220 | .5568311 | .1522485 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1414.128 | 2495.985 | 35024.42 | 10557.96 | 3457.244 |
| #2 | 1410.522 | 2498.844 | 35181.36 | 10508.39 | 3458.437 |
| #3 | 1408.343 | 2491.132 | 35338.18 | 10625.57 | 3448.789 |

Sample Name: CCV035      Acquired: 11/3/2017 02:22:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV035      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.912381 | 4.698567 | 25.09055 | 4.716767 | 4.795763 | F 288.9825 |
| Stddev | .031187  | .041473  | .20731   | .040284  | .026674  | 1.7058     |
| %RSD   | .6348605 | .8826758 | .8262460 | .8540547 | .5562047 | .5902742   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.931471 | 4.707438 | 25.22126 | 4.734464 | 4.815962 | 287.2885 |
| #2 | 4.876392 | 4.653376 | 24.85152 | 4.670664 | 4.765526 | 288.9591 |
| #3 | 4.929280 | 4.734887 | 25.19887 | 4.745173 | 4.805801 | 290.6998 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.832344 | .4978986 | 2.424908 | F 333.1876 | 15.12216 | 2.467216 |
| Stddev | .051661  | .0008551 | .019164  | .7264      | .09330   | .019552  |
| %RSD   | .5254207 | .1717464 | .7903096 | .2180118   | .6169974 | .7924761 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.772709 | .4974096 | 2.436382 | 332.3571 | 15.13780 | 2.479063 |
| #2 | 9.863414 | .4974001 | 2.402784 | 333.7048 | 15.02203 | 2.444649 |
| #3 | 9.860910 | .4988859 | 2.435557 | 333.5008 | 15.20666 | 2.477937 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.30743 | F 311.5983 | 15.08727 | F 324.4420 | 2.428733 | 1.271850 |
| Stddev | .05093   | 1.1510     | .06170   | 1.3212     | .021901  | .007843  |
| %RSD   | .3327290 | .3693843   | .4089793 | .4072161   | .9017271 | .6166860 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.27191 | 310.3172 | 15.01648 | 322.9317 | 2.441664 | 1.276385 |
| #2 | 15.36579 | 312.5453 | 15.12970 | 325.3839 | 2.403447 | 1.262793 |
| #3 | 15.28460 | 311.9324 | 15.11562 | 325.0104 | 2.441088 | 1.276371 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 294.4831 | 2.460434 | 16.20919 | 151.8755 | 5.106103 | 4.806714 |
| Stddev | 1.8132     | .008644  | .14345   | .6049    | .074312  | .013684  |
| %RSD   | .6157075   | .3513287 | .8849990 | .3982946 | 1.455352 | .2846951 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 292.7709 | 2.457566 | 16.26717 | 151.3141 | 5.028866 | 4.798597 |
| #2 | 296.3827 | 2.453588 | 16.04583 | 152.5161 | 5.112347 | 4.799032 |
| #3 | 294.2958 | 2.470147 | 16.31458 | 151.7963 | 5.177096 | 4.822513 |

Sample Name: CCV035      Acquired: 11/3/2017 02:22:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV035      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 4.612341 | 4.970615 | 5.009850 | F 4.170598 | 5.200480 | 5.031457 |
| Stddev | .030418  | .067419  | .023408  | .041161    | .003121  | .022303  |
| %RSD   | .6594852 | 1.356346 | .4672334 | .9869300   | .0600139 | .4432616 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.636282 | 4.940970 | 4.983242 | 4.197777 | 5.203938 | 5.019686 |
| #2 | 4.578114 | 4.923098 | 5.019037 | 4.123241 | 5.197871 | 5.057180 |
| #3 | 4.622626 | 5.047776 | 5.027270 | 4.190775 | 5.199633 | 5.017507 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.089440 |
| Stddev | .052283  |
| %RSD   | 1.027284 |

|    |          |
|----|----------|
| #1 | 5.047480 |
| #2 | 5.072831 |
| #3 | 5.148010 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1114.573 | 1983.718 | 28725.49 | 9450.160 | 2373.895 |
| Stddev    | 6.504    | 12.344   | 164.41   | 20.959   | 18.972   |
| %RSD      | .5835483 | .6222609 | .5723426 | .2217832 | .7991967 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1114.984 | 1972.910 | 28635.97 | 9473.330 | 2363.357 |
| #2 | 1120.862 | 1997.170 | 28915.24 | 9444.625 | 2395.796 |
| #3 | 1107.873 | 1981.074 | 28625.27 | 9432.523 | 2362.531 |

Sample Name: CCB035      Acquired: 11/3/2017 02:26:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB035      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016497 | .0005607 | .0014762 | -.000121 | .0001106 | .0009702 | .0001299 |
| Stddev | .0046004 | .0013830 | .0008156 | .001481  | .0007847 | .0007130 | .0001047 |
| %RSD   | 278.8692 | 246.6716 | 55.24980 | 1224.762 | 709.8324 | 73.48977 | 80.52857 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009425 | .0005594 | .0009156 | .001330  | .0000379 | .0001880 | .0000924 |
| #2 | -.002556 | .0019444 | .0011011 | -.001630 | .0009291 | .0015838 | .0002482 |
| #3 | .006563  | -.000822 | .0024119 | -.000063 | -.000635 | .0011387 | .0000493 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000015 | -.000125 | .0023482 | .0006454 | .0001603 | -.000387 | .0082266 |
| Stddev | .000045  | .000048  | .0053735 | .0003679 | .0001216 | .000625  | .0020278 |
| %RSD   | 301.1244 | 38.30763 | 228.8376 | 57.00553 | 75.85287 | 161.2510 | 24.64905 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000012  | -.000103 | -.002346 | .0008367 | .0002844 | -.001084 | .0105182 |
| #2 | .000010  | -.000180 | .008209  | .0002213 | .0000414 | .000124  | .0066647 |
| #3 | -.000067 | -.000092 | .001181  | .0008782 | .0001552 | -.000203 | .0074968 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000122 | .0180425 | .0005010 | -.000760 | .1664748 | -.001191 | -.004551 |
| Stddev | .000389  | .0047349 | .0003857 | .000364  | .0471156 | .003537  | .001717  |
| %RSD   | 319.5639 | 26.24306 | 76.97557 | 47.85514 | 28.30194 | 297.0267 | 37.73891 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000561 | .0172225 | .0003824 | -.000986 | .1709087 | -.002980 | -.002576 |
| #2 | .000180  | .0137711 | .0009321 | -.000341 | .2112167 | -.003476 | -.005696 |
| #3 | .000015  | .0231338 | .0001886 | -.000954 | .1172990 | .002883  | -.005380 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.237208 | .0020530 | .0017551 | .0006445 | .0202505 | -.004047 | -.000600 |
| Stddev | .037911  | .0006251 | .0007510 | .0001239 | .0042013 | .000963  | .003429  |
| %RSD   | 15.98209 | 30.44752 | 42.78753 | 19.22858 | 20.74648 | 23.79703 | 571.3747 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.230548 | .0026716 | .0021056 | .0006957 | .0158851 | -.003306 | .002543  |
| #2 | -.278008 | .0020658 | .0008930 | .0007346 | .0206006 | -.003699 | -.004257 |
| #3 | -.203069 | .0014216 | .0022668 | .0005032 | .0242657 | -.005135 | -.000086 |



Sample Name: CCB035      Acquired: 11/3/2017 02:26:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB035      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000387 | -.003607 | -.000244 |
| Stddev | .000594  | .000604  | .000017  |
| %RSD   | 153.5618 | 16.73677 | 6.831093 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000754 | -.003189 | -.000225 |
| #2 | -.000707 | -.004299 | -.000257 |
| #3 | .000299  | -.003333 | -.000251 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1429.184 | 2540.723 | 35127.43 | 10246.13 | 3606.097 |
| Stddev    | 2.751    | 14.480   | 135.08   | 9.64     | 25.307   |
| %RSD      | .1925041 | .5699144 | .3845310 | .0940827 | .7017904 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1432.144 | 2535.287 | 35152.08 | 10243.10 | 3598.575 |
| #2 | 1426.705 | 2557.134 | 34981.74 | 10238.38 | 3634.313 |
| #3 | 1428.703 | 2529.747 | 35248.49 | 10256.92 | 3585.404 |

Sample Name: I6163-01      Acquired: 11/3/2017 02:30:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EH9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0352371 | -.000546 | .0589364 | .0009281 | .0004979 | 25.23675 | .1417287 |
| Stddev | .0022816 | .000387  | .0018076 | .0018901 | .0004638 | .14525   | .0007814 |
| %RSD   | 6.474875 | 70.87378 | 3.067091 | 203.6625 | 93.15922 | .5755453 | .5513441 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0363452 | -.000640 | .0570200 | .0026163 | .0001021 | 25.28839 | .1422720 |
| #2 | .0326131 | -.000877 | .0591784 | -.001114 | .0010083 | 25.34911 | .1420810 |
| #3 | .0367529 | -.000121 | .0606109 | .001282  | .0003833 | 25.07273 | .1408332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010884 | -.000125 | 1.310356 | .0354196 | .0032005 | .0338730 | 11.41465 |
| Stddev | .0000625 | .000013  | .021392  | .0002485 | .0001642 | .0011237 | .10653   |
| %RSD   | 5.743543 | 9.993150 | 1.632525 | .7016425 | 5.129622 | 3.317311 | .9332896 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011234 | -.000123 | 1.324627 | .0351880 | .0030140 | .0325756 | 11.49787 |
| #2 | .0011257 | -.000114 | 1.320681 | .0356822 | .0033229 | .0345064 | 11.45149 |
| #3 | .0010163 | -.000139 | 1.285760 | .0353887 | .0032648 | .0345369 | 11.29459 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2043841 | .6893546 | .0136391 | -.002029 | .1107391 | .0353935 | .1056243 |
| Stddev | .0018293 | .0343122 | .0001256 | .000374  | .0706764 | .0023529 | .0026790 |
| %RSD   | .8950203 | 4.977435 | .9211284 | 18.42390 | 63.82243 | 6.647766 | 2.536324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2061693 | .6866547 | .0137664 | -.001934 | .1706420 | .0365435 | .1032883 |
| #2 | .2044695 | .7249370 | .0136359 | -.002441 | .0327889 | .0326868 | .1085484 |
| #3 | .2025137 | .6564722 | .0135152 | -.001711 | .1287863 | .0369502 | .1050361 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.43078 | 2.486832 | -.011444 | .0008993 | .4166601 | 2.893111 | .0025785 |
| Stddev | .03649   | .046797  | .000240  | .0003200 | .0085761 | .031681  | .0025243 |
| %RSD   | 2.550597 | 1.881806 | 2.096776 | 35.58680 | 2.058295 | 1.095067 | 97.89698 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.41186 | 2.501844 | -.011168 | .0006473 | .4188426 | 2.909310 | .0053726 |
| #2 | -1.40764 | 2.434371 | -.011604 | .0007912 | .4072036 | 2.913419 | .0004626 |
| #3 | -1.47285 | 2.524281 | -.011560 | .0012593 | .4239341 | 2.856606 | .0019002 |

Sample Name: I6163-01      Acquired: 11/3/2017 02:30:33      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EH9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1984672 | .0044750 | .0160367 |
| Stddev | .0021180 | .0002218 | .0001157 |
| %RSD   | 1.067164 | 4.957262 | .7215887 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1980625 | .0042259 | .0160961 |
| #2 | .2007583 | .0045479 | .0161107 |
| #3 | .1965807 | .0046513 | .0159033 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1394.851 | 2474.868 | 34751.64 | 10502.84 | 3399.630 |
| Stddev    | 5.021    | 14.537   | 65.49    | 109.76   | 19.291   |
| %RSD      | .3599365 | .5873849 | .1884498 | 1.045091 | .5674323 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1392.469 | 2480.563 | 34747.94 | 10439.44 | 3409.227 |
| #2 | 1391.464 | 2485.695 | 34818.91 | 10439.49 | 3412.239 |
| #3 | 1400.619 | 2458.346 | 34688.09 | 10629.58 | 3377.423 |

Sample Name: I6163-02      Acquired: 11/3/2017 02:34:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0254267 | -.001385 | .0112005 | -.000178 | -.000017 | 8.745596 | .0354001 |
| Stddev | .0022330 | .002881  | .0008631 | .001645  | .000231  | .017113  | .0000508 |
| %RSD   | 8.782136 | 208.0708 | 7.705625 | 925.9513 | 1381.207 | .1956732 | .1434885 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0246947 | .001940  | .0112191 | .000480  | -.000112 | 8.729635 | .0354006 |
| #2 | .0279338 | -.002935 | .0120541 | -.002050 | .000246  | 8.743488 | .0354507 |
| #3 | .0236515 | -.003158 | .0103283 | .001036  | -.000185 | 8.763665 | .0353491 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001686 | -.000265 | .2965118 | .0232545 | .0013155 | .0057916 | 5.394504 |
| Stddev | .0000162 | .000042  | .0019969 | .0002071 | .0001361 | .0009402 | .014479  |
| %RSD   | 9.585876 | 16.03163 | .6734715 | .8907346 | 10.34902 | 16.23394 | .2684077 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001500 | -.000237 | .2942918 | .0233472 | .0012826 | .0061465 | 5.381820 |
| #2 | .0001785 | -.000313 | .2970817 | .0233991 | .0011988 | .0065026 | 5.410280 |
| #3 | .0001775 | -.000244 | .2981618 | .0230172 | .0014650 | .0047256 | 5.391413 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0230507 | .3653223 | .0053058 | -.001486 | .1434012 | .0172440 | .0059075 |
| Stddev | .0003035 | .0095314 | .0002064 | .000218  | .0433892 | .0017917 | .0029700 |
| %RSD   | 1.316845 | 2.609030 | 3.889386 | 14.65347 | 30.25718 | 10.39010 | 50.27611 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0233992 | .3548102 | .0050739 | -.001729 | .1143852 | .0175538 | .0089502 |
| #2 | .0229089 | .3677552 | .0053741 | -.001423 | .1225374 | .0188606 | .0057564 |
| #3 | .0228440 | .3734014 | .0054693 | -.001307 | .1932812 | .0153177 | .0030159 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.75871 | .2309103 | -.007297 | .0001368 | .0918503 | 2.199173 | -.002577 |
| Stddev | .02451   | .0046758 | .000528  | .0002227 | .0020532 | .013074  | .000853  |
| %RSD   | 1.393506 | 2.024965 | 7.237500 | 162.7384 | 2.235399 | .5945172 | 33.10131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.73175 | .2343712 | -.006695 | .0003366 | .0927145 | 2.198729 | -.002482 |
| #2 | -1.76471 | .2255910 | -.007684 | -.000103 | .0895063 | 2.212463 | -.003473 |
| #3 | -1.77965 | .2327688 | -.007511 | .000177  | .0933302 | 2.186326 | -.001775 |

Sample Name: I6163-02      Acquired: 11/3/2017 02:34:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2072527 | -.004224 | .0041611 |
| Stddev | .0003308 | .000633  | .0001218 |
| %RSD   | .1595981 | 14.98479 | 2.926226 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2075423 | -.004949 | .0041208 |
| #2 | .2073236 | -.003781 | .0042980 |
| #3 | .2068922 | -.003943 | .0040647 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1432.789 | 2526.544 | 35617.70 | 10527.50 | 3526.627 |
| Stddev    | 9.450    | 4.672    | 119.80   | 36.53    | 10.334   |
| %RSD      | .6595800 | .1849217 | .3363532 | .3469527 | .2930418 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.149 | 2529.176 | 35479.54 | 10499.17 | 3524.753 |
| #2 | 1440.207 | 2529.305 | 35692.80 | 10514.60 | 3537.770 |
| #3 | 1436.013 | 2521.149 | 35680.75 | 10568.73 | 3517.358 |

Sample Name: I6163-06      Acquired: 11/3/2017 02:38:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1701733 | .0009231 | .7761071 | .0087957 | .0034533 | 16.37167 | 1.211612 |
| Stddev | .0034700 | .0024232 | .0047965 | .0022382 | .0017413 | .01466   | .001984  |
| %RSD   | 2.039100 | 262.5089 | .6180258 | 25.44590 | 50.42516 | .0895469 | .1637517 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1740163 | -.000732 | .7718378 | .0073565 | .0014735 | 16.37603 | 1.212399 |
| #2 | .1672697 | -.000203 | .7751863 | .0113743 | .0047474 | 16.38366 | 1.213081 |
| #3 | .1692339 | .003704  | .7812974 | .0076564 | .0041390 | 16.35533 | 1.209355 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047828 | .0012576 | 15.39786 | .0611306 | .0252919 | .5307947 | 106.6200 |
| Stddev | .0000243 | .0000915 | .05303   | .0004786 | .0001866 | .0008682 | .2801    |
| %RSD   | .5078501 | 7.277167 | .3444172 | .7829755 | .7375766 | .1635652 | .2627238 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0047691 | .0013615 | 15.34030 | .0616792 | .0252753 | .5304219 | 106.3099 |
| #2 | .0047685 | .0012227 | 15.44474 | .0607983 | .0251141 | .5301753 | 106.8547 |
| #3 | .0048108 | .0011888 | 15.40855 | .0609142 | .0254861 | .5317871 | 106.6954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5646627 | 6.972749 | .0654902 | -.015918 | 1.031478 | .1644439 | .6060860 |
| Stddev | .0022486 | .029473  | .0005570 | .000054  | .031724  | .0040294 | .0019365 |
| %RSD   | .3982115 | .4226924 | .8504409 | .3364797 | 3.075597 | 2.450327 | .3195154 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5621650 | 7.001689 | .0653740 | -.015979 | 1.017578 | .1598599 | .6041056 |
| #2 | .5665255 | 6.942770 | .0650005 | -.015881 | 1.009077 | .1674261 | .6061769 |
| #3 | .5652977 | 6.973787 | .0660961 | -.015894 | 1.067780 | .1660456 | .6079755 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.012017 | 1.905462 | -.115574 | .0141086 | 8.433610 | 1.242365 | .0215798 |
| Stddev | .055112  | .020757  | .000763  | .0002502 | .073146  | .009189  | .0008356 |
| %RSD   | 5.445715 | 1.089333 | .6598265 | 1.773459 | .8673104 | .7396529 | 3.871953 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .964656  | 1.903032 | -.115791 | .0141351 | 8.418519 | 1.233668 | .0215426 |
| #2 | 1.072508 | 1.886028 | -.114726 | .0138462 | 8.369187 | 1.241449 | .0224333 |
| #3 | .998888  | 1.927327 | -.116205 | .0143445 | 8.513124 | 1.251978 | .0207634 |

Sample Name: I6163-06      Acquired: 11/3/2017 02:38:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8188477 | .0158585 | .2333062 |
| Stddev | .0007423 | .0010188 | .0002383 |
| %RSD   | .0906465 | 6.424162 | .1021293 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8197041 | .0147098 | .2331724 |
| #2 | .8183896 | .0162132 | .2335813 |
| #3 | .8184494 | .0166526 | .2331650 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1372.106 | 2431.899 | 34661.91 | 10588.12 | 3252.601 |
| Stddev    | 2.209    | 5.134    | 77.64    | 15.52    | 10.177   |
| %RSD      | .1610133 | .2111072 | .2239929 | .1465329 | .3128955 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1372.086 | 2431.001 | 34751.50 | 10606.02 | 3254.870 |
| #2 | 1374.325 | 2437.423 | 34614.18 | 10578.50 | 3261.453 |
| #3 | 1369.907 | 2427.274 | 34620.05 | 10579.84 | 3241.481 |

Sample Name: I6163-07      Acquired: 11/3/2017 02:42:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0561542 | -.000360 | .4524644 | -.002227 | .0054785 | 37.45888 | .5188614 |
| Stddev | .0022327 | .002816  | .0023382 | .002010  | .0007180 | .02440   | .0034229 |
| %RSD   | 3.975998 | 783.2638 | .5167681 | 90.24550 | 13.10626 | .0651268 | .6597001 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0561775 | -.000805 | .4531623 | -.003469 | .0061519 | 37.47067 | .5189879 |
| #2 | .0539099 | .002652  | .4498567 | .000092  | .0055606 | 37.43083 | .5222193 |
| #3 | .0583751 | -.002926 | .4543742 | -.003304 | .0047229 | 37.47515 | .5153769 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0043097 | -.001867 | -1.31946 | .1142409 | .0125906 | .2321564 | 114.2671 |
| Stddev | .0000395 | .000041  | .01701   | .0001766 | .0003535 | .0006892 | .3101    |
| %RSD   | .9173931 | 2.218443 | 1.289530 | .1545563 | 2.807887 | .2968669 | .2713625 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0043022 | -.001847 | -1.32025 | .1143605 | .0122891 | .2320017 | 113.9205 |
| #2 | .0042745 | -.001839 | -1.30207 | .1140381 | .0125030 | .2315578 | 114.3625 |
| #3 | .0043524 | -.001915 | -1.33607 | .1143240 | .0129797 | .2329099 | 114.5183 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1748131 | 1.403181 | .0397696 | -.016680 | .4694499 | .1996309 | .1340639 |
| Stddev | .0018006 | .019122  | .0003421 | .000363  | .0513557 | .0016976 | .0049672 |
| %RSD   | 1.029993 | 1.362754 | .8601730 | 2.179105 | 10.93955 | .8503792 | 3.705068 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1728269 | 1.407275 | .0393851 | -.017071 | .5029707 | .2012779 | .1332441 |
| #2 | .1752741 | 1.419924 | .0400401 | -.016352 | .4103258 | .1978868 | .1295577 |
| #3 | .1763384 | 1.382344 | .0398836 | -.016618 | .4950530 | .1997280 | .1393900 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.256182 | 2.209092 | -.128349 | .0065453 | 4.546645 | 2.567644 | .0273992 |
| Stddev | .028569  | .019950  | .002714  | .0000707 | .017667  | .009476  | .0012032 |
| %RSD   | 11.15185 | .9030739 | 2.114770 | 1.080505 | .3885650 | .3690679 | 4.391342 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.272643 | 2.231447 | -.131320 | .0065722 | 4.566942 | 2.559569 | .0274983 |
| #2 | -.223193 | 2.193102 | -.125999 | .0064651 | 4.538263 | 2.565288 | .0285499 |
| #3 | -.272710 | 2.202726 | -.127729 | .0065986 | 4.534730 | 2.578077 | .0261496 |



Sample Name: I6163-07      Acquired: 11/3/2017 02:42:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4037144 | .0333677 | .0471314 |
| Stddev | .0004102 | .0003674 | .0000953 |
| %RSD   | .1016149 | 1.101183 | .2021964 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4040691 | .0332821 | .0472318 |
| #2 | .4032652 | .0337705 | .0471205 |
| #3 | .4038088 | .0330507 | .0470421 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1405.661 | 2500.866 | 35382.43 | 10750.52 | 3309.403 |
| Stddev    | 4.587    | 4.641    | 112.34   | 20.64    | 3.950    |
| %RSD      | .3262997 | .1855728 | .3174915 | .1919457 | .1193585 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1408.785 | 2495.882 | 35380.49 | 10740.58 | 3308.639 |
| #2 | 1407.803 | 2505.063 | 35271.08 | 10774.25 | 3313.679 |
| #3 | 1400.395 | 2501.652 | 35495.73 | 10736.74 | 3305.891 |

Sample Name: I6163-08      Acquired: 11/3/2017 02:47:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0080922 | .0009972 | .0544503 | .0006406 | .0019629 | 47.34806 | .2532025 |
| Stddev | .0039864 | .0017133 | .0031369 | .0032108 | .0004272 | .07435   | .0011637 |
| %RSD   | 49.26176 | 171.8031 | 5.761068 | 501.2154 | 21.76117 | .1570351 | .4596028 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065646 | .0029309 | .0572628 | .0043398 | .0015622 | 47.39269 | .2543237 |
| #2 | .0050956 | .0003925 | .0510673 | -.001424 | .0024123 | 47.26223 | .2532834 |
| #3 | .0126164 | -.000332 | .0550208 | -.000994 | .0019142 | 47.38927 | .2520004 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021479 | -.001014 | -.406506 | .0729688 | .0064888 | .0164757 | 45.63274 |
| Stddev | .0000132 | .000075  | .004764  | .0002725 | .0000279 | .0019184 | .13375   |
| %RSD   | .6124725 | 7.399523 | 1.171944 | .3735178 | .4293127 | 11.64411 | .2931117 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021329 | -.000986 | -.410757 | .0730677 | .0064884 | .0142997 | 45.54863 |
| #2 | .0021570 | -.000957 | -.401357 | .0731780 | .0064611 | .0172041 | 45.78698 |
| #3 | .0021539 | -.001099 | -.407405 | .0726606 | .0065169 | .0179233 | 45.56262 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1333249 | 1.496753 | .0255423 | -.007303 | .2427535 | .1327214 | .0929938 |
| Stddev | .0004893 | .027554  | .0003638 | .000224  | .1257839 | .0013589 | .0014511 |
| %RSD   | .3669675 | 1.840902 | 1.424148 | 3.069433 | 51.81548 | 1.023884 | 1.560411 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1335689 | 1.476711 | .0251303 | -.007375 | .1671601 | .1336801 | .0914755 |
| #2 | .1336441 | 1.485375 | .0256776 | -.007051 | .1731454 | .1333178 | .0943667 |
| #3 | .1327616 | 1.528174 | .0258190 | -.007482 | .3879552 | .1311662 | .0931394 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.730666 | .6158707 | -.050534 | .0014439 | 1.365362 | 4.383750 | .0052665 |
| Stddev | .047789  | .0057155 | .000566  | .0001093 | .007679  | .013860  | .0011355 |
| %RSD   | 6.540453 | .9280445 | 1.120597 | 7.572255 | .5624283 | .3161735 | 21.55999 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.784125 | .6215124 | -.051004 | .0013234 | 1.373623 | 4.368395 | .0058160 |
| #2 | -.715787 | .6160155 | -.050693 | .0015368 | 1.358440 | 4.387518 | .0060227 |
| #3 | -.692087 | .6100841 | -.049905 | .0014715 | 1.364023 | 4.395336 | .0039608 |

Sample Name: I6163-08      Acquired: 11/3/2017 02:47:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3598766 | .0233441 | .0144185 |
| Stddev | .0025322 | .0003252 | .0000644 |
| %RSD   | .7036269 | 1.393041 | .4466204 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3590173 | .0236834 | .0143638 |
| #2 | .3578859 | .0233137 | .0144022 |
| #3 | .3627266 | .0230351 | .0144895 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1403.543 | 2484.134 | 34723.51 | 10590.38 | 3341.774 |
| Stddev    | 10.596   | 6.961    | 111.38   | 44.53    | 9.166    |
| %RSD      | .7549151 | .2802055 | .3207483 | .4205171 | .2742904 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1391.569 | 2487.840 | 34666.32 | 10636.71 | 3349.072 |
| #2 | 1411.705 | 2488.458 | 34652.35 | 10547.90 | 3344.763 |
| #3 | 1407.356 | 2476.104 | 34851.86 | 10586.52 | 3331.486 |

Sample Name: I6163-09      Acquired: 11/3/2017 02:51:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073992 | .0015155 | .0614136 | -.000632 | .0018588 | 56.72920 | .2441266 |
| Stddev | .0024436 | .0024501 | .0002541 | .001121  | .0010564 | .09246   | .0006040 |
| %RSD   | 33.02505 | 161.6688 | .4136857 | 177.4470 | 56.83335 | .1629909 | .2474181 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0045784 | .0016138 | .0613315 | -.000500 | .0021274 | 56.82742 | .2443772 |
| #2 | .0087505 | -.000982 | .0616985 | .000418  | .0027549 | 56.71635 | .2434376 |
| #3 | .0088687 | .003915  | .0612107 | -.001813 | .0006940 | 56.64384 | .2445650 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026358 | -.001369 | -.724918 | .0984418 | .0079920 | .0213080 | 62.42723 |
| Stddev | .0000244 | .000105  | .017528  | .0009892 | .0002867 | .0015652 | .25548   |
| %RSD   | .9263354 | 7.667158 | 2.417923 | 1.004866 | 3.587177 | 7.345508 | .4092413 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0026293 | -.001255 | -.709582 | .0990194 | .0077472 | .0228954 | 62.15365 |
| #2 | .0026153 | -.001389 | -.721148 | .0990064 | .0079214 | .0197660 | 62.65960 |
| #3 | .0026628 | -.001462 | -.744024 | .0972996 | .0083074 | .0212626 | 62.46844 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1644008 | 1.431934 | .0284028 | -.009561 | .2343252 | .1726409 | .0680293 |
| Stddev | .0004307 | .030849  | .0004862 | .000371  | .0078250 | .0032309 | .0056628 |
| %RSD   | .2619858 | 2.154394 | 1.711923 | 3.876531 | 3.339359 | 1.871431 | 8.324093 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1640901 | 1.429593 | .0288195 | -.009978 | .2407516 | .1719154 | .0725951 |
| #2 | .1642198 | 1.463887 | .0278686 | -.009269 | .2366126 | .1761729 | .0698000 |
| #3 | .1648924 | 1.402321 | .0285203 | -.009437 | .2256115 | .1698345 | .0616927 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.571464 | .6105213 | -.069840 | .0021729 | 2.070912 | 4.896605 | .0054824 |
| Stddev | .044544  | .0069497 | .000595  | .0000645 | .017086  | .017810  | .0013681 |
| %RSD   | 7.794640 | 1.138327 | .8517185 | 2.969778 | .8250462 | .3637121 | 24.95488 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.562643 | .6034643 | -.070349 | .0020997 | 2.058373 | 4.884451 | .0067980 |
| #2 | -.619759 | .6107410 | -.069986 | .0022218 | 2.063991 | 4.917048 | .0055818 |
| #3 | -.531991 | .6173585 | -.069186 | .0021971 | 2.090373 | 4.888316 | .0040672 |

Sample Name: I6163-09      Acquired: 11/3/2017 02:51:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4037339 | .0247551 | .0138055 |
| Stddev | .0016576 | .0006653 | .0000374 |
| %RSD   | .4105629 | 2.687673 | .2706567 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4022979 | .0254784 | .0138347 |
| #2 | .4033561 | .0241691 | .0137634 |
| #3 | .4055478 | .0246177 | .0138185 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1403.051 | 2482.613 | 34639.25 | 10565.01 | 3314.489 |
| Stddev    | 4.288    | 11.752   | 110.76   | 52.16    | 12.715   |
| %RSD      | .3056533 | .4733720 | .3197583 | .4936900 | .3836315 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1400.165 | 2490.057 | 34583.14 | 10568.18 | 3321.013 |
| #2 | 1401.009 | 2488.718 | 34567.77 | 10511.34 | 3322.617 |
| #3 | 1407.979 | 2469.066 | 34766.84 | 10615.51 | 3299.835 |

Sample Name: I6163-10      Acquired: 11/3/2017 02:55:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0109643 | .0036256 | .0402871 | -.003684 | .0020750 | 51.36192 | .1072407 |
| Stddev | .0014932 | .0017564 | .0008682 | .002454  | .0007797 | .07277   | .0003955 |
| %RSD   | 13.61887 | 48.44459 | 2.155123 | 66.61742 | 37.57715 | .1416814 | .3687930 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0126138 | .0041741 | .0411374 | -.006439 | .0017655 | 51.29708 | .1073528 |
| #2 | .0105743 | .0016604 | .0394020 | -.001734 | .0014976 | 51.44062 | .1075681 |
| #3 | .0097048 | .0050423 | .0403218 | -.002878 | .0029620 | 51.34806 | .1068013 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021340 | -.001562 | -.767834 | .1037994 | .0067821 | .0236897 | 69.17397 |
| Stddev | .0001403 | .000058  | .017859  | .0014112 | .0001829 | .0004008 | .17863   |
| %RSD   | 6.575635 | 3.687201 | 2.325898 | 1.359519 | 2.696832 | 1.691883 | .2582397 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020485 | -.001499 | -.760086 | .1029172 | .0068971 | .0241386 | 69.31079 |
| #2 | .0020575 | -.001612 | -.788259 | .1054270 | .0068780 | .0233679 | 68.97188 |
| #3 | .0022959 | -.001576 | -.755158 | .1030540 | .0065712 | .0235625 | 69.23923 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0889154 | .5529317 | .0234309 | -.010313 | .2966093 | .1822693 | .0185289 |
| Stddev | .0006294 | .0082238 | .0003778 | .000308  | .0314951 | .0026858 | .0033440 |
| %RSD   | .7078880 | 1.487306 | 1.612498 | 2.984263 | 10.61837 | 1.473510 | 18.04756 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0896045 | .5445611 | .0230450 | -.010664 | .2857993 | .1852058 | .0222946 |
| #2 | .0883708 | .5532338 | .0238001 | -.010088 | .3320859 | .1816650 | .0159064 |
| #3 | .0887710 | .5610003 | .0234477 | -.010188 | .2719428 | .1799372 | .0173857 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.00124 | .5067093 | -.082376 | .0026799 | 2.170710 | 1.327769 | .0040418 |
| Stddev | .02184   | .0122242 | .000592  | .0000755 | .024781  | .006383  | .0025874 |
| %RSD   | 2.181529 | 2.412464 | .7184587 | 2.817146 | 1.141596 | .4807418 | 64.01478 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.02260 | .4980516 | -.082628 | .0026948 | 2.158902 | 1.330978 | .0067879 |
| #2 | -.97894  | .5013834 | -.082801 | .0025980 | 2.154042 | 1.320418 | .0036880 |
| #3 | -1.00217 | .5206929 | -.081700 | .0027468 | 2.199187 | 1.331911 | .0016496 |

Sample Name: I6163-10      Acquired: 11/3/2017 02:55:29      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EJ6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3839447 | .0132908 | .0105499 |
| Stddev | .0006237 | .0008912 | .0000671 |
| %RSD   | .1624483 | 6.705695 | .6361010 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3833909 | .0137145 | .0105052 |
| #2 | .3846203 | .0138911 | .0106270 |
| #3 | .3838230 | .0122667 | .0105173 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1396.027 | 2470.132 | 34397.48 | 10379.38 | 3316.512 |
| Stddev    | 10.725   | 13.320   | 86.36    | 51.30    | 13.161   |
| %RSD      | .7682735 | .5392333 | .2510641 | .4942737 | .3968318 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1386.219 | 2477.092 | 34436.49 | 10328.61 | 3322.831 |
| #2 | 1394.384 | 2478.530 | 34298.49 | 10431.20 | 3325.322 |
| #3 | 1407.480 | 2454.774 | 34457.45 | 10378.34 | 3301.384 |

Sample Name: I6163-11      Acquired: 11/3/2017 02:59:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0111629 | .0007318 | .0424974 | -.002567 | .0008473 | 44.58556 | .0754424 |
| Stddev | .0025780 | .0018808 | .0006555 | .001161  | .0024535 | .14768   | .0002809 |
| %RSD   | 23.09408 | 257.0171 | 1.542524 | 45.23936 | 289.5665 | .3312312 | .3723475 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0082061 | .0001853 | .0418564 | -.003078 | -.001984 | 44.44540 | .0751612 |
| #2 | .0123431 | -.000815 | .0431665 | -.001238 | .002354  | 44.73976 | .0757230 |
| #3 | .0129395 | .002825  | .0424693 | -.003386 | .002172  | 44.57152 | .0754430 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015401 | -.001252 | -.450492 | .0904206 | .0048347 | .0242913 | 53.63904 |
| Stddev | .0000809 | .000087  | .020503  | .0003707 | .0000693 | .0016891 | .21039   |
| %RSD   | 5.250551 | 6.967156 | 4.551152 | .4100189 | 1.434126 | 6.953622 | .3922338 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016320 | -.001187 | -.467223 | .0907998 | .0049148 | .0224726 | 53.39634 |
| #2 | .0015082 | -.001351 | -.456632 | .0900590 | .0047947 | .0258108 | 53.75093 |
| #3 | .0014800 | -.001219 | -.427621 | .0904030 | .0047947 | .0245905 | 53.76984 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0646177 | .3471545 | .0229021 | -.008030 | .2604568 | .1680841 | .0071753 |
| Stddev | .0005333 | .0070590 | .0002118 | .000219  | .0673027 | .0016316 | .0036085 |
| %RSD   | .8253818 | 2.033379 | .9245933 | 2.732234 | 25.84027 | .9706722 | 50.29016 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0640788 | .3435696 | .0228268 | -.008250 | .2090067 | .1694159 | .0108546 |
| #2 | .0646289 | .3552865 | .0231412 | -.008028 | .2357406 | .1685721 | .0070292 |
| #3 | .0651453 | .3426074 | .0227383 | -.007811 | .3366232 | .1662642 | .0036421 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.06157 | .4496503 | -.063458 | .0026115 | 1.799977 | 1.671592 | .0023471 |
| Stddev | .01877   | .0088125 | .000617  | .0003646 | .013139  | .010171  | .0010512 |
| %RSD   | 1.768608 | 1.959865 | .9722027 | 13.96111 | .7299494 | .6084511 | 44.78491 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.08010 | .4564728 | -.062991 | .0021908 | 1.814124 | 1.667135 | .0022177 |
| #2 | -1.06205 | .4527775 | -.063226 | .0028345 | 1.797652 | 1.683231 | .0034570 |
| #3 | -1.04256 | .4397006 | -.064157 | .0028093 | 1.788156 | 1.664411 | .0013667 |



Sample Name: I6163-11      Acquired: 11/3/2017 02:59:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3579344 | .0027959 | .0098599 |
| Stddev | .0018606 | .0003771 | .0000620 |
| %RSD   | .5198023 | 13.48761 | .6291030 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3565123 | .0023612 | .0098359 |
| #2 | .3600401 | .0030354 | .0099304 |
| #3 | .3572509 | .0029911 | .0098136 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1384.737 | 2477.956 | 34286.88 | 10409.02 | 3338.869 |
| Stddev    | 3.076    | 5.198    | 81.32    | 28.79    | 7.073    |
| %RSD      | .2221282 | .2097867 | .2371717 | .2765464 | .2118280 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1384.243 | 2473.734 | 34378.45 | 10434.20 | 3333.956 |
| #2 | 1381.939 | 2483.762 | 34259.10 | 10377.64 | 3346.976 |
| #3 | 1388.031 | 2476.371 | 34223.10 | 10415.23 | 3335.676 |

Sample Name: I6163-12      Acquired: 11/3/2017 03:03:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0120010 | .0033356 | .0629179 | -.005764 | .0036948 | 81.68706 | .2022502 |
| Stddev | .0028358 | .0004585 | .0020507 | .002214  | .0013003 | .15195   | .0009322 |
| %RSD   | 23.62951 | 13.74462 | 3.259388 | 38.41819 | 35.19348 | .1860166 | .4609299 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0120549 | .0037866 | .0649515 | -.007815 | .0051670 | 81.51760 | .2028068 |
| #2 | .0148095 | .0028700 | .0629517 | -.003416 | .0027029 | 81.73242 | .2011740 |
| #3 | .0091387 | .0033502 | .0608504 | -.006060 | .0032145 | 81.81118 | .2027699 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0037387 | -.002369 | -1.28144 | .1701139 | .0116028 | .0390802 | 114.0901 |
| Stddev | .0000581 | .000025  | .02096   | .0004568 | .0000102 | .0011937 | .1368    |
| %RSD   | 1.554103 | 1.070089 | 1.635586 | .2685202 | .0876969 | 3.054501 | .1199235 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0036810 | -.002390 | -1.26628 | .1698516 | .0115948 | .0377030 | 114.0060 |
| #2 | .0037972 | -.002378 | -1.30536 | .1706413 | .0116143 | .0398166 | 114.0163 |
| #3 | .0037379 | -.002341 | -1.27268 | .1698486 | .0115994 | .0397212 | 114.2480 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1510381 | 1.002981 | .0341557 | -.016558 | .5433056 | .3130564 | .0360650 |
| Stddev | .0010124 | .024665  | .0000457 | .000465  | .0243236 | .0068426 | .0036059 |
| %RSD   | .6702815 | 2.459165 | .1337736 | 2.805479 | 4.476971 | 2.185753 | 9.998355 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1498784 | .987498  | .0341948 | -.016795 | .5225160 | .3059265 | .0400304 |
| #2 | .1517457 | 1.031424 | .0341055 | -.016857 | .5700553 | .3195701 | .0329826 |
| #3 | .1514901 | .990020  | .0341668 | -.016023 | .5373456 | .3136725 | .0351820 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.278451 | .6811294 | -.131901 | .0038979 | 3.630491 | 1.279083 | .0099016 |
| Stddev | .041695  | .0108522 | .002228  | .0003107 | .039964  | .003081  | .0012846 |
| %RSD   | 14.97381 | 1.593265 | 1.689128 | 7.972136 | 1.100786 | .2408469 | 12.97376 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.324039 | .6805760 | -.132778 | .0040374 | 3.621904 | 1.276644 | .0084200 |
| #2 | -.269063 | .6705644 | -.133557 | .0035418 | 3.595520 | 1.282545 | .0105807 |
| #3 | -.242250 | .6922477 | -.129368 | .0041144 | 3.674051 | 1.278060 | .0107042 |

Sample Name: I6163-12      Acquired: 11/3/2017 03:03:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3901421 | .0335256 | .0204224 |
| Stddev | .0038765 | .0005821 | .0000787 |
| %RSD   | .9936248 | 1.736271 | .3855223 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3866359 | .0331702 | .0204960 |
| #2 | .3943051 | .0341974 | .0203394 |
| #3 | .3894854 | .0332092 | .0204318 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1396.559 | 2489.542 | 34350.45 | 10539.21 | 3253.116 |
| Stddev    | 2.250    | 8.521    | 120.14   | 30.56    | 12.442   |
| %RSD      | .1611028 | .3422640 | .3497519 | .2899218 | .3824546 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1397.632 | 2493.294 | 34358.38 | 10533.40 | 3253.092 |
| #2 | 1393.973 | 2495.543 | 34226.55 | 10511.97 | 3265.569 |
| #3 | 1398.072 | 2479.789 | 34466.44 | 10572.25 | 3240.686 |

Sample Name: I6163-13      Acquired: 11/3/2017 03:08:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0896619 | -.000421 | 2.185788 | .0015961 | .0128306 | 19.59214 | 1.247521 |
| Stddev | .0038685 | .002285  | .011789  | .0012650 | .0004491 | .03814   | .001140  |
| %RSD   | 4.314505 | 542.7387 | .5393515 | 79.25729 | 3.500010 | .1946496 | .0913791 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0941186 | .000551  | 2.177372 | .0005991 | .0132306 | 19.63552 | 1.247803 |
| #2 | .0871724 | -.003032 | 2.180731 | .0030192 | .0129164 | 19.57702 | 1.246266 |
| #3 | .0876947 | .001218  | 2.199262 | .0011701 | .0123448 | 19.56388 | 1.248494 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042060 | .0026353 | 13.31288 | .0920648 | .0317231 | 2.095351 | 138.0554 |
| Stddev | .0000757 | .0002211 | .02452   | .0009606 | .0003174 | .001723  | .1966    |
| %RSD   | 1.798956 | 8.388005 | .1842195 | 1.043402 | 1.000536 | .0822236 | .1423805 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0042017 | .0028872 | 13.32006 | .0909555 | .0318726 | 2.094173 | 137.8462 |
| #2 | .0041327 | .0024734 | 13.33302 | .0926199 | .0313585 | 2.094552 | 138.0837 |
| #3 | .0042838 | .0025454 | 13.28557 | .0926188 | .0319381 | 2.097329 | 138.2362 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.326151 | 4.273930 | .0753835 | -.019063 | 1.342752 | .1331118 | 2.917254 |
| Stddev | .004179  | .031853  | .0001806 | .000207  | .011753  | .0018337 | .012692  |
| %RSD   | .3151552 | .7452832 | .2395765 | 1.086740 | .8752838 | 1.377577 | .4350724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.321919 | 4.310609 | .0751804 | -.019239 | 1.352139 | .1345500 | 2.926462 |
| #2 | 1.330276 | 4.257960 | .0755262 | -.018835 | 1.329570 | .1337385 | 2.902776 |
| #3 | 1.326257 | 4.253221 | .0754438 | -.019116 | 1.346545 | .1310468 | 2.922525 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.269342 | 2.260705 | -.143260 | .0095194 | 2.463834 | 1.573453 | .0816410 |
| Stddev | .055347  | .044309  | .001327  | .0002560 | .037425  | .012376  | .0025470 |
| %RSD   | 20.54900 | 1.959946 | .9263954 | 2.689180 | 1.518979 | .7865719 | 3.119815 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.262946 | 2.273426 | -.144770 | .0098141 | 2.475676 | 1.575892 | .0787486 |
| #2 | -.217471 | 2.211427 | -.142280 | .0093519 | 2.421921 | 1.584429 | .0826258 |
| #3 | -.327610 | 2.297261 | -.142731 | .0093922 | 2.493907 | 1.560039 | .0835486 |

Sample Name: I6163-13      Acquired: 11/3/2017 03:08:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EJ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7990366 | .0118085 | .1693107 |
| Stddev | .0013575 | .0005399 | .0000286 |
| %RSD   | .1698935 | 4.572231 | .0168989 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8005632 | .0113639 | .1692777 |
| #2 | .7979652 | .0116524 | .1693264 |
| #3 | .7985813 | .0124093 | .1693281 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1368.611 | 2442.909 | 34685.91 | 10622.40 | 3255.266 |
| Stddev    | 6.031    | 7.205    | 46.89    | 7.49     | 11.818   |
| %RSD      | .4406590 | .2949236 | .1351824 | .0704671 | .3630564 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1364.978 | 2434.765 | 34653.40 | 10629.80 | 3247.932 |
| #2 | 1375.573 | 2445.508 | 34664.67 | 10622.56 | 3268.900 |
| #3 | 1365.283 | 2448.453 | 34739.66 | 10614.83 | 3248.966 |

Sample Name: I6163-14      Acquired: 11/3/2017 03:12:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2043025 | .0002535 | .8257356 | .0051493 | .0100042 | 21.02706 | .9301090 |
| Stddev | .0022818 | .0020507 | .0036529 | .0007732 | .0011404 | .05024   | .0043516 |
| %RSD   | 1.116862 | 809.1236 | .4423768 | 15.01529 | 11.39958 | .2389301 | .4678597 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2052816 | .0022445 | .8227729 | .0057786 | .0104839 | 21.07596 | .9350814 |
| #2 | .2059313 | .0003680 | .8246169 | .0053832 | .0108264 | 21.02966 | .9282500 |
| #3 | .2016946 | -.001852 | .8298170 | .0042862 | .0087022 | 20.97557 | .9269957 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045862 | .0016674 | 8.740153 | .0590033 | .0274537 | .5701814 | 120.1308 |
| Stddev | .0000823 | .0001092 | .032178  | .0002693 | .0002419 | .0028471 | .3781    |
| %RSD   | 1.794186 | 6.551085 | .3681584 | .4563648 | .8810814 | .4993315 | .3147767 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044998 | .0015996 | 8.765412 | .0591663 | .0273735 | .5721091 | 119.9549 |
| #2 | .0045954 | .0016091 | 8.751122 | .0591512 | .0272622 | .5669112 | 120.5648 |
| #3 | .0046635 | .0017934 | 8.703925 | .0586925 | .0277255 | .5715238 | 119.8726 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8677507 | 1.404532 | .0714267 | -.016651 | .8068014 | .1042629 | 3.951241 |
| Stddev | .0015061 | .005647  | .0004336 | .000134  | .0348395 | .0027235 | .011704  |
| %RSD   | .1735638 | .4020868 | .6071042 | .8020382 | 4.318222 | 2.612114 | .2962129 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8660135 | 1.406074 | .0713443 | -.016805 | .8314077 | .1012230 | 3.941426 |
| #2 | .8686894 | 1.409247 | .0710402 | -.016566 | .8220607 | .1050854 | 3.948102 |
| #3 | .8685491 | 1.398273 | .0718957 | -.016582 | .7669358 | .1064803 | 3.964194 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.708623 | 2.389845 | -.124847 | .0202174 | 3.057072 | 1.688763 | .3065104 |
| Stddev | .005955  | .011982  | .000457  | .0001832 | .006968  | .005177  | .0017561 |
| %RSD   | .8404189 | .5013547 | .3663087 | .9063241 | .2279385 | .3065669 | .5729473 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.701828 | 2.400503 | -.124419 | .0204019 | 3.058081 | 1.690592 | .3051149 |
| #2 | -.711102 | 2.376876 | -.124795 | .0200355 | 3.049655 | 1.692776 | .3059340 |
| #3 | -.712938 | 2.392155 | -.125329 | .0202147 | 3.063482 | 1.682919 | .3084823 |

Sample Name: I6163-14      Acquired: 11/3/2017 03:12:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6103359 | .0229868 | .5068574 |
| Stddev | .0007939 | .0001428 | .0007079 |
| %RSD   | .1300826 | .6213753 | .1396594 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6105292 | .0228484 | .5072645 |
| #2 | .6110154 | .0231337 | .5072677 |
| #3 | .6094632 | .0229784 | .5060400 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1372.474 | 2467.906 | 34736.34 | 10565.93 | 3294.576 |
| Stddev    | 3.314    | 10.162   | 98.79    | 45.41    | 7.092    |
| %RSD      | .2414915 | .4117494 | .2844015 | .4298003 | .2152573 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1375.000 | 2473.085 | 34754.50 | 10545.34 | 3296.924 |
| #2 | 1368.721 | 2474.434 | 34629.73 | 10534.46 | 3300.197 |
| #3 | 1373.702 | 2456.198 | 34824.79 | 10617.99 | 3286.608 |

Sample Name: I6163-15      Acquired: 11/3/2017 03:16:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0207939 | .0003028 | .0326141 | -.000781 | .0009751 | 16.36681 | .1266465 |
| Stddev | .0024399 | .0017199 | .0000972 | .002831  | .0015091 | .02856   | .0009355 |
| %RSD   | 11.73366 | 567.9814 | .2979908 | 362.4497 | 154.7677 | .1745181 | .7386967 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0235993 | .0004088 | .0326290 | .001929  | .0010339 | 16.39936 | .1275792 |
| #2 | .0191669 | -.001468 | .0325104 | -.000554 | -.000563 | 16.34590 | .1266521 |
| #3 | .0196154 | .001967  | .0327030 | -.003719 | .002454  | 16.35519 | .1257081 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008818 | -.000153 | 1.593600 | .0275565 | .0027776 | .0236327 | 21.17603 |
| Stddev | .0000425 | .000110  | .006729  | .0001622 | .0001534 | .0009601 | .03947   |
| %RSD   | 4.823115 | 71.60214 | .4222309 | .5884513 | 5.521589 | 4.062724 | .1864089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008329 | -.000043 | 1.589347 | .0274638 | .0029513 | .0237442 | 21.15216 |
| #2 | .0009105 | -.000262 | 1.590096 | .0277437 | .0027203 | .0245322 | 21.22159 |
| #3 | .0009019 | -.000154 | 1.601358 | .0274619 | .0026610 | .0226216 | 21.15433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0908981 | .6795741 | .0087902 | -.003429 | .2234558 | .0581296 | .2112499 |
| Stddev | .0000895 | .0136666 | .0003837 | .000392  | .0223521 | .0020418 | .0026072 |
| %RSD   | .0984501 | 2.011053 | 4.364750 | 11.41822 | 10.00291 | 3.512511 | 1.234171 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0909488 | .6819511 | .0084146 | -.003877 | .1976460 | .0584683 | .2142564 |
| #2 | .0907948 | .6918964 | .0087744 | -.003153 | .2364565 | .0559396 | .2096112 |
| #3 | .0909507 | .6648750 | .0091815 | -.003257 | .2362647 | .0599808 | .2098822 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.54197 | .6814254 | -.025609 | .0009245 | .0929712 | 2.263812 | -.000295 |
| Stddev | .00691   | .0054874 | .000572  | .0003221 | .0016078 | .008625  | .001619  |
| %RSD   | .4478938 | .8052866 | 2.231994 | 34.83619 | 1.729375 | .3809832 | 548.1969 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.53861 | .6764834 | -.025769 | .0009688 | .0916759 | 2.264559 | -.002111 |
| #2 | -1.54992 | .6804622 | -.024975 | .0005826 | .0947706 | 2.254838 | .000997  |
| #3 | -1.53740 | .6873307 | -.026085 | .0012221 | .0924670 | 2.272039 | .000228  |



Sample Name: I6163-15      Acquired: 11/3/2017 03:16:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2325524 | -.000336 | .0145904 |
| Stddev | .0038440 | .000501  | .0000358 |
| %RSD   | 1.652942 | 149.2923 | .2455927 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2353434 | -.000509 | .0146317 |
| #2 | .2341459 | .000229  | .0145718 |
| #3 | .2281680 | -.000728 | .0145677 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1398.266 | 2489.979 | 34832.91 | 10386.16 | 3455.428 |
| Stddev    | 2.693    | 9.427    | 28.30    | 27.65    | 17.376   |
| %RSD      | .1925913 | .3786102 | .0812372 | .2662051 | .5028503 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.846 | 2489.066 | 34845.82 | 10418.09 | 3456.195 |
| #2 | 1399.796 | 2499.829 | 34800.46 | 10370.56 | 3472.407 |
| #3 | 1395.156 | 2481.041 | 34852.45 | 10369.84 | 3437.682 |

Sample Name: I6163-16      Acquired: 11/3/2017 03:20:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0035244 | -.000959 | .0146049 | .0012336 | .0002414 | 13.05746 | .0891002 |
| Stddev | .0014304 | .000350  | .0009230 | .0025519 | .0009474 | .02569   | .0006169 |
| %RSD   | 40.58647 | 36.50905 | 6.319528 | 206.8769 | 392.4167 | .1967476 | .6923845 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0050034 | -.001251 | .0149423 | -.001670 | .0013192 | 13.07083 | .0897496 |
| #2 | .0034217 | -.001055 | .0153116 | .002251  | -.000135 | 13.07371 | .0885219 |
| #3 | .0021481 | -.000571 | .0135607 | .003120  | -.000460 | 13.02784 | .0890292 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006609 | -.000494 | .8154826 | .0244932 | .0021763 | .0089852 | 19.39349 |
| Stddev | .0000139 | .000012  | .0157664 | .0004225 | .0001689 | .0005328 | .08065   |
| %RSD   | 2.105521 | 2.414048 | 1.933387 | 1.725051 | 7.759889 | 5.929426 | .4158749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006684 | -.000483 | .8192291 | .0240350 | .0022830 | .0089051 | 19.47431 |
| #2 | .0006449 | -.000492 | .7981803 | .0245773 | .0019816 | .0084970 | 19.39316 |
| #3 | .0006695 | -.000507 | .8290382 | .0248674 | .0022643 | .0095535 | 19.31300 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0675950 | .5968381 | .0073273 | -.003333 | .0946360 | .0608303 | .0379917 |
| Stddev | .0003503 | .0138802 | .0003833 | .000031  | .0369767 | .0003496 | .0045881 |
| %RSD   | .5182296 | 2.325628 | 5.230570 | .9303225 | 39.07249 | .5746694 | 12.07666 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0678083 | .6054107 | .0077695 | -.003300 | .1223073 | .0608776 | .0415893 |
| #2 | .0671907 | .6042798 | .0070905 | -.003361 | .0526402 | .0604595 | .0328249 |
| #3 | .0677860 | .5808239 | .0071219 | -.003337 | .1089606 | .0611539 | .0395611 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.60280 | .4143455 | -.024133 | .0011236 | .0625025 | 1.324067 | -.001415 |
| Stddev | .00740   | .0118495 | .000380  | .0001062 | .0035625 | .011316  | .001824  |
| %RSD   | .4616158 | 2.859811 | 1.576042 | 9.452713 | 5.699739 | .8546361 | 128.8572 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.61117 | .4155730 | -.024567 | .0010294 | .0609826 | 1.336478 | -.002930 |
| #2 | -1.60008 | .4019301 | -.023974 | .0012387 | .0599520 | 1.314322 | -.001925 |
| #3 | -1.59714 | .4255335 | -.023859 | .0011027 | .0665728 | 1.321402 | .000609  |

Sample Name: I6163-16      Acquired: 11/3/2017 03:20:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1845840 | -.003228 | .0101133 |
| Stddev | .0005814 | .000541  | .0000427 |
| %RSD   | .3149957 | 16.74962 | .4223080 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1852077 | -.003823 | .0101094 |
| #2 | .1840569 | -.002767 | .0101578 |
| #3 | .1844875 | -.003095 | .0100726 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1397.208 | 2503.706 | 34824.44 | 10316.28 | 3478.550 |
| Stddev    | 5.895    | 10.873   | 66.47    | 28.24    | 17.939   |
| %RSD      | .4219223 | .4342584 | .1908781 | .2737408 | .5157117 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1398.133 | 2504.893 | 34787.14 | 10284.91 | 3481.004 |
| #2 | 1390.906 | 2513.937 | 34785.00 | 10324.26 | 3495.135 |
| #3 | 1402.586 | 2492.289 | 34901.19 | 10339.68 | 3459.509 |

Sample Name: I6163-17      Acquired: 11/3/2017 03:25:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069428 | .0004707 | .0138705 | -.000275 | .0006677 | 10.25028 | .0552355 |
| Stddev | .0023710 | .0013174 | .0001841 | .001547  | .0007107 | .03244   | .0003262 |
| %RSD   | 34.15066 | 279.8724 | 1.327562 | 561.5630 | 106.4411 | .3164500 | .5906106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0057898 | -.001025 | .0140804 | -.001835 | .0012395 | 10.28442 | .0550115 |
| #2 | .0053688 | .000979  | .0137951 | -.000249 | .0008915 | 10.21987 | .0550853 |
| #3 | .0096698 | .001459  | .0137360 | .001258  | -.000128 | 10.24655 | .0556098 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008786 | -.000794 | .1979433 | .0430970 | .0023261 | .0113413 | 33.22086 |
| Stddev | .0000127 | .000072  | .0081468 | .0008228 | .0001226 | .0009958 | .05641   |
| %RSD   | 1.444120 | 9.099091 | 4.115728 | 1.909173 | 5.269526 | 8.779815 | .1697939 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008706 | -.000861 | .1887752 | .0439575 | .0022596 | .0123158 | 33.16795 |
| #2 | .0008932 | -.000804 | .2007023 | .0430157 | .0024675 | .0113826 | 33.28021 |
| #3 | .0008719 | -.000717 | .2043523 | .0423179 | .0022511 | .0103256 | 33.21440 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0510403 | .4597597 | .0058515 | -.004976 | .1605737 | .1482430 | -.005361 |
| Stddev | .0005299 | .0124827 | .0002329 | .000404  | .0847866 | .0034466 | .002649  |
| %RSD   | 1.038167 | 2.715058 | 3.980912 | 8.118520 | 52.80225 | 2.324937 | 49.41495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0506140 | .4680222 | .0058194 | -.005138 | .2494310 | .1500397 | -.003177 |
| #2 | .0508733 | .4454002 | .0060989 | -.005274 | .1517408 | .1442693 | -.008309 |
| #3 | .0516335 | .4658566 | .0056363 | -.004516 | .0805494 | .1504199 | -.004598 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.67729 | .4196241 | -.040748 | .0024712 | .0499880 | 1.235937 | -.001069 |
| Stddev | .03384   | .0081227 | .000437  | .0000976 | .0024871 | .011582  | .000642  |
| %RSD   | 2.017337 | 1.935718 | 1.072706 | 3.948307 | 4.975405 | .9371359 | 60.08585 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.71627 | .4132407 | -.040636 | .0023690 | .0483461 | 1.233112 | -.001106 |
| #2 | -1.65554 | .4287671 | -.041230 | .0025633 | .0528495 | 1.248671 | -.000409 |
| #3 | -1.66005 | .4168644 | -.040378 | .0024813 | .0487684 | 1.226029 | -.001692 |

Sample Name: I6163-17      Acquired: 11/3/2017 03:25:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MB0EK3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1769513 | -.005204 | .0085374 |
| Stddev | .0007721 | .000631  | .0000522 |
| %RSD   | .4363446 | 12.12086 | .6114259 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1777899 | -.005479 | .0085918 |
| #2 | .1762698 | -.004482 | .0085328 |
| #3 | .1767943 | -.005649 | .0084876 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1376.941 | 2457.413 | 34465.41 | 10163.81 | 3411.578 |
| Stddev    | 6.653    | 14.212   | 100.27   | 10.67    | 18.495   |
| %RSD      | .4832034 | .5783249 | .2909282 | .1049981 | .5421342 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1372.052 | 2466.128 | 34390.73 | 10161.38 | 3425.191 |
| #2 | 1384.518 | 2465.097 | 34579.37 | 10154.56 | 3419.022 |
| #3 | 1374.252 | 2441.013 | 34426.13 | 10175.48 | 3390.520 |

Sample Name: I6163-18      Acquired: 11/3/2017 03:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040722 | -.001497 | .0087854 | .0020532 | -.000184 | 5.610819 | .0323330 |
| Stddev | .0013925 | .002240  | .0008360 | .0018737 | .000362  | .013980  | .0001188 |
| %RSD   | 34.19593 | 149.6734 | 9.515776 | 91.25690 | 197.0942 | .2491664 | .3672753 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0048487 | -.003475 | .0095359 | .0000518 | -.000261 | 5.595028 | .0323728 |
| #2 | .0049032 | -.001952 | .0078843 | .0037655 | .000211  | 5.615809 | .0324267 |
| #3 | .0024645 | .000936  | .0089360 | .0023423 | -.000500 | 5.621620 | .0321995 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002351 | -.000234 | .2637922 | .0152560 | .0012947 | .0042872 | 11.28608 |
| Stddev | .0000227 | .000050  | .0062317 | .0005724 | .0002294 | .0000572 | .02181   |
| %RSD   | 9.653483 | 21.19579 | 2.362356 | 3.751815 | 17.72097 | 1.334460 | .1932772 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002234 | -.000289 | .2616527 | .0151458 | .0013181 | .0043225 | 11.29596 |
| #2 | .0002207 | -.000194 | .2589121 | .0147467 | .0015116 | .0042212 | 11.30120 |
| #3 | .0002613 | -.000218 | .2708119 | .0158754 | .0010545 | .0043179 | 11.26107 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0253727 | .1454259 | .0038887 | -.002051 | .1882151 | .0469349 | .0255869 |
| Stddev | .0004566 | .0055726 | .0001123 | .000138  | .0239588 | .0020231 | .0029582 |
| %RSD   | 1.799532 | 3.831900 | 2.888947 | 6.724541 | 12.72948 | 4.310497 | 11.56135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0257805 | .1442226 | .0038706 | -.001895 | .1664464 | .0462614 | .0235399 |
| #2 | .0248794 | .1405532 | .0040091 | -.002155 | .1843138 | .0453344 | .0289785 |
| #3 | .0254581 | .1515018 | .0037866 | -.002103 | .2138852 | .0492088 | .0242422 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.69317 | .1734207 | -.016483 | .0007036 | .0355962 | 1.775105 | -.001852 |
| Stddev | .00645   | .0043303 | .000499  | .0001023 | .0022497 | .010251  | .000582  |
| %RSD   | .3809536 | 2.496984 | 3.024550 | 14.53484 | 6.320131 | .5775092 | 31.40112 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.69687 | .1687947 | -.015919 | .0007742 | .0343783 | 1.775728 | -.002354 |
| #2 | -1.69692 | .1740902 | -.016863 | .0005863 | .0381923 | 1.785030 | -.001988 |
| #3 | -1.68573 | .1773773 | -.016668 | .0007503 | .0342180 | 1.764556 | -.001215 |

Sample Name: I6163-18      Acquired: 11/3/2017 03:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1152173 | -.006486 | .0067733 |
| Stddev | .0017236 | .000163  | .0000785 |
| %RSD   | 1.495919 | 2.520153 | 1.159682 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1140047 | -.006314 | .0067981 |
| #2 | .1171903 | -.006640 | .0068365 |
| #3 | .1144570 | -.006502 | .0066854 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1418.668 | 2540.026 | 35569.57 | 10393.10 | 3567.603 |
| Stddev    | 2.665    | 4.203    | 40.41    | 20.79    | 8.700    |
| %RSD      | .1878301 | .1654584 | .1136163 | .1999909 | .2438527 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1421.288 | 2543.001 | 35613.02 | 10371.25 | 3570.090 |
| #2 | 1418.755 | 2541.858 | 35533.10 | 10395.42 | 3574.788 |
| #3 | 1415.961 | 2535.218 | 35562.59 | 10412.63 | 3557.930 |

Sample Name: I6163-19      Acquired: 11/3/2017 03:33:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0106786 | .0008607 | .3634218 | -.004301 | .0032109 | 33.81778 | .2446565 |
| Stddev | .0028764 | .0008356 | .0003912 | .004980  | .0003654 | .12571   | .0010723 |
| %RSD   | 26.93614 | 97.07942 | .1076323 | 115.7879 | 11.38039 | .3717359 | .4383027 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0075715 | .0006448 | .3636335 | -.004140 | .0027949 | 33.85658 | .2452748 |
| #2 | .0112156 | .0001543 | .3629704 | -.009358 | .0033580 | 33.91951 | .2452764 |
| #3 | .0132486 | .0017830 | .3636614 | .000597  | .0034799 | 33.67724 | .2434183 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021926 | -.000893 | 1.957530 | .0824034 | .0113790 | .1338823 | 82.89415 |
| Stddev | .0000815 | .000075  | .023161  | .0007483 | .0003474 | .0003049 | .17388   |
| %RSD   | 3.717647 | 8.352705 | 1.183167 | .9081340 | 3.053250 | .2277347 | .2097644 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0022779 | -.000971 | 1.954401 | .0831320 | .0113049 | .1342054 | 83.07163 |
| #2 | .0021155 | -.000823 | 1.982097 | .0816368 | .0110746 | .1335996 | 82.72410 |
| #3 | .0021844 | -.000885 | 1.936093 | .0824415 | .0117575 | .1338419 | 82.88671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2840593 | 1.364999 | .0341669 | -.011822 | .3049792 | .1595718 | .1781608 |
| Stddev | .0011890 | .012144  | .0007228 | .000679  | .0408922 | .0007041 | .0091174 |
| %RSD   | .4185656 | .8896757 | 2.115456 | 5.745368 | 13.40818 | .4412366 | 5.117526 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2841902 | 1.371116 | .0334468 | -.011042 | .2877324 | .1588297 | .1815800 |
| #2 | .2828103 | 1.372869 | .0341614 | -.012143 | .2755358 | .1602305 | .1850744 |
| #3 | .2851774 | 1.351013 | .0348924 | -.012282 | .3516694 | .1596552 | .1678280 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.973134 | 1.055730 | -.094015 | .0031743 | .6073568 | 4.299706 | .0156382 |
| Stddev | .023375  | .015415  | .001164  | .0002583 | .0047904 | .017950  | .0009349 |
| %RSD   | 2.401995 | 1.460122 | 1.237892 | 8.137602 | .7887247 | .4174598 | 5.978477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.999387 | 1.041458 | -.094099 | .0029109 | .6115963 | 4.279256 | .0159407 |
| #2 | -.965434 | 1.053653 | -.092812 | .0031848 | .6021601 | 4.307009 | .0163843 |
| #3 | -.954581 | 1.072078 | -.095135 | .0034271 | .6083141 | 4.312852 | .0145894 |



Sample Name: I6163-19      Acquired: 11/3/2017 03:33:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5297214 | .0087572 | .0438721 |
| Stddev | .0039721 | .0001808 | .0001669 |
| %RSD   | .7498436 | 2.064735 | .3804883 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5337127 | .0085510 | .0440640 |
| #2 | .5296825 | .0088317 | .0437918 |
| #3 | .5257689 | .0088888 | .0437605 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1402.294 | 2504.257 | 35089.65 | 10577.71 | 3342.358 |
| Stddev    | 8.951    | 2.295    | 68.41    | 18.58    | 11.485   |
| %RSD      | .6383137 | .0916623 | .1949548 | .1756848 | .3436059 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1397.793 | 2506.770 | 35015.96 | 10563.56 | 3354.541 |
| #2 | 1396.487 | 2502.270 | 35151.13 | 10598.75 | 3340.801 |
| #3 | 1412.602 | 2503.730 | 35101.86 | 10570.80 | 3331.731 |

Sample Name: I6163-20      Acquired: 11/3/2017 03:37:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101392 | .0013488 | .2379670 | -.005396 | .0029390 | 28.61558 | .0805500 |
| Stddev | .0022838 | .0008346 | .0007941 | .001423  | .0017920 | .07682   | .0003091 |
| %RSD   | 22.52449 | 61.87925 | .3337188 | 26.36525 | 60.97295 | .2684725 | .3837682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0117378 | .0004779 | .2376200 | -.005039 | .0046929 | 28.56276 | .0809021 |
| #2 | .0111563 | .0021417 | .2374054 | -.004187 | .0030129 | 28.70371 | .0803228 |
| #3 | .0075235 | .0014268 | .2388756 | -.006964 | .0011112 | 28.58026 | .0804253 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019036 | -.001586 | .0595637 | .0975954 | .0071968 | .0992439 | 97.59604 |
| Stddev | .0000719 | .000160  | .0402611 | .0009999 | .0002878 | .0016005 | .03302   |
| %RSD   | 3.776612 | 10.06958 | 67.59338 | 1.024514 | 3.999431 | 1.612714 | .0338328 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018266 | -.001769 | .0989993 | .0987497 | .0068645 | .0991747 | 97.63400 |
| #2 | .0019689 | -.001477 | .0185249 | .0970405 | .0073700 | .0976791 | 97.57394 |
| #3 | .0019152 | -.001512 | .0611670 | .0969961 | .0073558 | .1008779 | 97.58018 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1572527 | .5178672 | .0288288 | -.014668 | .3399929 | .2182035 | .1007520 |
| Stddev | .0012421 | .0011628 | .0006889 | .000150  | .1420868 | .0038106 | .0021813 |
| %RSD   | .7898588 | .2245423 | 2.389745 | 1.022334 | 41.79112 | 1.746370 | 2.164994 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1576877 | .5192034 | .0289333 | -.014840 | .1899822 | .2175175 | .1030995 |
| #2 | .1582187 | .5173135 | .0280935 | -.014596 | .3574545 | .2223105 | .0987877 |
| #3 | .1558516 | .5170847 | .0294595 | -.014567 | .4725419 | .2147824 | .1003690 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.41235 | .7493781 | -.112522 | .0034676 | .4183093 | 3.479354 | .0117941 |
| Stddev | .01696   | .0020383 | .000447  | .0002335 | .0027390 | .015094  | .0018522 |
| %RSD   | 1.200785 | .2719917 | .3969638 | 6.732755 | .6547697 | .4338299 | 15.70445 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.41078 | .7479362 | -.112985 | .0032067 | .4152828 | 3.493365 | .0135473 |
| #2 | -1.43005 | .7517100 | -.112094 | .0035395 | .4190273 | 3.463370 | .0098566 |
| #3 | -1.39624 | .7484880 | -.112487 | .0036567 | .4206177 | 3.481326 | .0119785 |

Sample Name: I6163-20      Acquired: 11/3/2017 03:37:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MB0EK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3542875 | .0026596 | .0166698 |
| Stddev | .0006355 | .0004143 | .0000223 |
| %RSD   | .1793659 | 15.57753 | .1337734 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3537417 | .0022338 | .0166945 |
| #2 | .3541357 | .0030613 | .0166637 |
| #3 | .3549851 | .0026837 | .0166512 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1386.350 | 2477.830 | 34609.84 | 10377.89 | 3338.551 |
| Stddev    | 7.340    | 7.990    | 107.49   | 13.57    | 8.645    |
| %RSD      | .5294725 | .3224431 | .3105669 | .1307826 | .2589344 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1387.460 | 2478.122 | 34733.76 | 10362.54 | 3343.947 |
| #2 | 1378.517 | 2485.670 | 34541.88 | 10388.28 | 3343.126 |
| #3 | 1393.071 | 2469.699 | 34553.87 | 10382.86 | 3328.580 |

Sample Name: CCV036      Acquired: 11/3/2017 03:42:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV036      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.863562 | 4.644633 | 25.11463 | 4.664047 | 4.758340 | F 284.1793 |
| Stddev | .015803  | .015567  | .05477   | .033043  | .025718  | 1.8488     |
| %RSD   | .3249325 | .3351603 | .2180808 | .7084668 | .5404901 | .6505847   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.850016 | 4.630007 | 25.06857 | 4.636804 | 4.746336 | 282.6187 |
| #2 | 4.859745 | 4.642895 | 25.10013 | 4.654534 | 4.740818 | 286.2212 |
| #3 | 4.880924 | 4.660995 | 25.17519 | 4.700803 | 4.787865 | 283.6981 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.573016 | .4869988 | 2.408178 | F 331.2383 | 15.05631 | 2.460729 |
| Stddev | .046579  | .0023732 | .005699  | 3.1675     | .01967   | .005618  |
| %RSD   | .4865678 | .4873030 | .2366340 | .9562518   | .1306491 | .2282984 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.520289 | .4844093 | 2.403734 | 327.6804 | 15.06612 | 2.457928 |
| #2 | 9.590190 | .4875171 | 2.406197 | 333.7511 | 15.03366 | 2.457062 |
| #3 | 9.608571 | .4890699 | 2.414602 | 332.2835 | 15.06914 | 2.467196 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.21912 | F 306.5632 | 14.87202 | F 319.2754 | 2.419076 | 1.266604 |
| Stddev | .11408   | 3.2553     | .14104   | 3.6555     | .004583  | .007604  |
| %RSD   | .7495879 | 1.061876   | .9483659 | 1.144933   | .1894471 | .6003299 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.08790 | 302.9527 | 14.71142 | 315.1585 | 2.416559 | 1.267452 |
| #2 | 15.27475 | 309.2741 | 14.97571 | 322.1406 | 2.416304 | 1.258612 |
| #3 | 15.29471 | 307.4628 | 14.92894 | 320.5270 | 2.424366 | 1.273748 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 292.9442 | 2.427263 | 16.30757 | 150.7231 | 5.062272 | 4.763221 |
| Stddev | 2.7280     | .023686  | .10398   | .8817    | .035905  | .002335  |
| %RSD   | .9312342   | .9758176 | .6376214 | .5849634 | .7092728 | .0490239 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 289.8522 | 2.400220 | 16.28741 | 149.7120 | 5.051506 | 4.762977 |
| #2 | 295.0111 | 2.437246 | 16.21514 | 151.1251 | 5.102329 | 4.761017 |
| #3 | 293.9694 | 2.444322 | 16.42015 | 151.3321 | 5.032981 | 4.765668 |

Sample Name: CCV036      Acquired: 11/3/2017 03:42:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV036      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 4.553623 | 4.927564 | 4.931406 | F 3.944332 | 5.170205 | 5.001515 |
| Stddev | .024800  | .017278  | .012535  | .038356    | .033377  | .037409  |
| %RSD   | .5446265 | .3506363 | .2541895 | .9724363   | .6455625 | .7479626 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.537062 | 4.929736 | 4.918895 | 3.918088 | 5.131807 | 4.958359 |
| #2 | 4.541670 | 4.909302 | 4.931358 | 3.926558 | 5.192273 | 5.024728 |
| #3 | 4.582136 | 4.943653 | 4.943965 | 3.988351 | 5.186534 | 5.021457 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.011824 |
| Stddev | .024600  |
| %RSD   | .4908377 |

|    |          |
|----|----------|
| #1 | 4.998277 |
| #2 | 5.040220 |
| #3 | 4.996975 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1111.409 | 1987.268 | 28768.11 | 9525.170 | 2373.495 |
| Stddev    | 13.477   | 10.351   | 202.78   | 46.836   | 9.578    |
| %RSD      | 1.212632 | .5208407 | .7048742 | .4917104 | .4035242 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1105.213 | 1994.835 | 28797.58 | 9578.584 | 2382.786 |
| #2 | 1126.870 | 1991.497 | 28954.54 | 9505.799 | 2374.046 |
| #3 | 1102.143 | 1975.473 | 28552.20 | 9491.127 | 2363.654 |

Sample Name: CCB036      Acquired: 11/3/2017 03:46:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB036      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003767 | -.000497 | .0002925 | -.001456 | -.000426 | .0032511 | .0001069 |
| Stddev | .0015992 | .001790  | .0004245 | .000250  | .001323  | .0031224 | .0000978 |
| %RSD   | 424.4771 | 360.1343 | 145.1229 | 17.17305 | 310.2566 | 96.04190 | 91.53489 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007642 | -.001155 | .0003444 | -.001216 | -.001892 | .0066380 | .0000202 |
| #2 | -.001381 | .001529  | .0006887 | -.001437 | .000680  | .0026283 | .0000874 |
| #3 | .001747  | -.001865 | -.000156 | -.001714 | -.000068 | .0004870 | .0002130 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000066 | -.000114 | .0030980 | .0007062 | -.000068 | .0007486 | .0019989 |
| Stddev | .000062  | .000064  | .0044515 | .0001101 | .000210  | .0001560 | .0025318 |
| %RSD   | 94.01969 | 55.81190 | 143.6878 | 15.58695 | 310.1764 | 20.84375 | 126.6586 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000086 | -.000041 | .0039581 | .0005791 | -.000284 | .0009043 | .0044148 |
| #2 | -.000117 | -.000159 | -.001721 | .0007689 | .000136  | .0007492 | .0022167 |
| #3 | .000003  | -.000142 | .007057  | .0007705 | -.000055 | .0005923 | -.000635 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001533 | .0154773 | .0005168 | -.000556 | .1310132 | -.001806 | -.003477 |
| Stddev | .0002472 | .0051015 | .0002605 | .000298  | .0554448 | .000522  | .001489  |
| %RSD   | 161.2214 | 32.96128 | 50.40679 | 53.50535 | 42.32004 | 28.89816 | 42.82095 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004387 | .0210846 | .0004647 | -.000582 | .0821781 | -.002306 | -.001798 |
| #2 | .0000070 | .0142371 | .0007994 | -.000247 | .1195771 | -.001847 | -.004636 |
| #3 | .0000143 | .0111103 | .0002863 | -.000840 | .1912844 | -.001265 | -.003997 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.237968 | .0032221 | .0020048 | .0003500 | .0187909 | -.004069 | -.000400 |
| Stddev | .019908  | .0013576 | .0008279 | .0002157 | .0015744 | .001302  | .001364  |
| %RSD   | 8.365797 | 42.13326 | 41.29317 | 61.63454 | 8.378411 | 32.00855 | 341.0831 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.241173 | .0047862 | .0013013 | .0005645 | .0170219 | -.002987 | -.000887 |
| #2 | -.256079 | .0023492 | .0017961 | .0001331 | .0193124 | -.005515 | -.001453 |
| #3 | -.216652 | .0025309 | .0029171 | .0003523 | .0200383 | -.003705 | .001141  |

Sample Name: CCB036      Acquired: 11/3/2017 03:46:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v257)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB036      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0001319 | -.003213 | -.000192 |
| Stddev | .0004406 | .000190  | .000015  |
| %RSD   | 334.0995 | 5.897767 | 8.052490 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006386 | -.003299 | -.000174 |
| #2 | -.000160 | -.002996 | -.000202 |
| #3 | -.000083 | -.003345 | -.000200 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1415.013 | 2549.974 | 35275.78 | 10138.62 | 3613.051 |
| Stddev    | 8.245    | 14.341   | 43.58    | 67.20    | 15.080   |
| %RSD      | .5826727 | .5624005 | .1235440 | .6627975 | .4173875 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1407.508 | 2534.697 | 35299.21 | 10094.98 | 3604.852 |
| #2 | 1413.692 | 2552.078 | 35225.49 | 10216.00 | 3603.847 |
| #3 | 1423.838 | 2563.146 | 35302.63 | 10104.88 | 3630.455 |