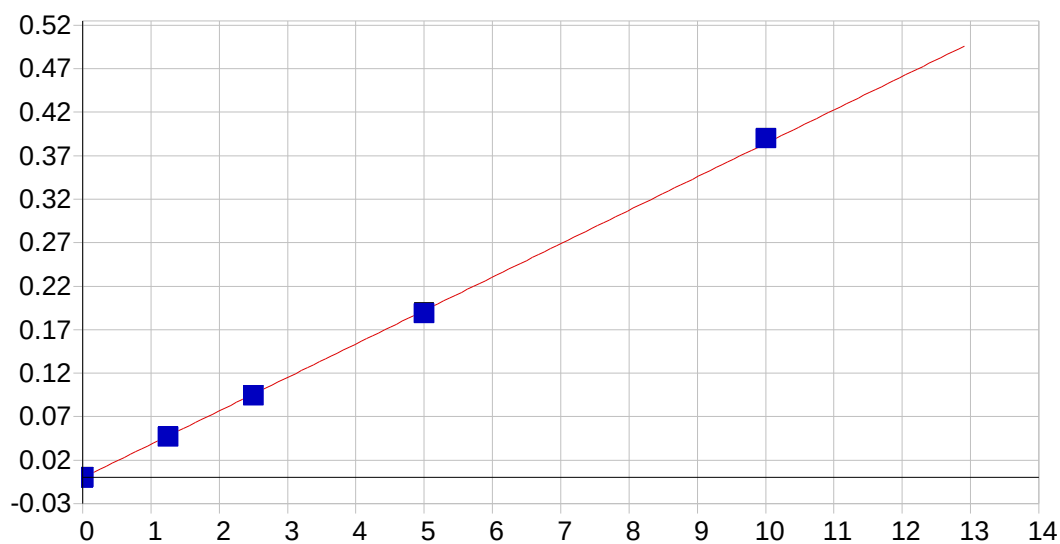




As 189.042 {479}

Date of Fit: 5/23/2017 20:06:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000201

Re-Slope: 1.000000

A1 (Gain): 0.038444

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999874

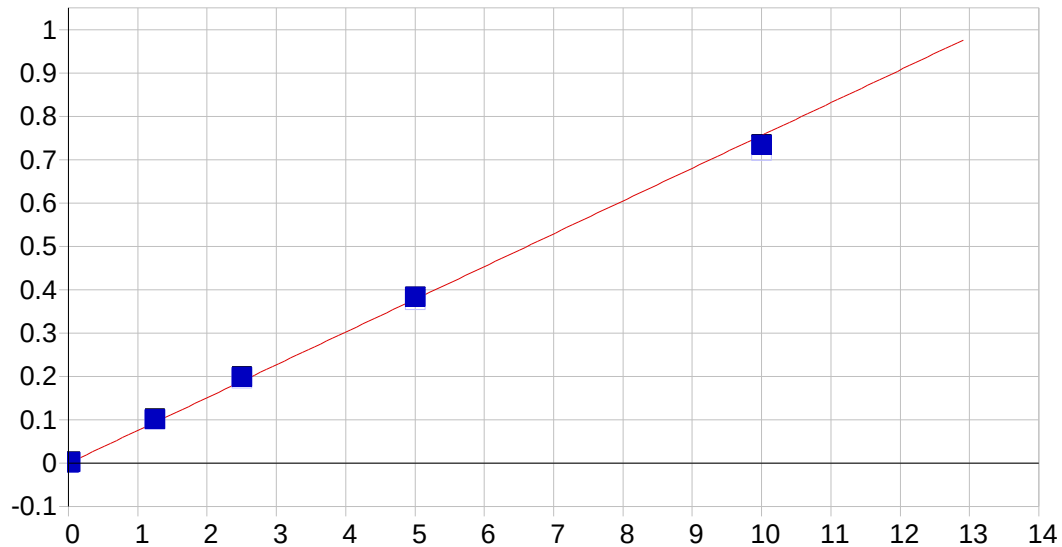
Status: OK.

Std Error of Est: 0.000010

Predicted MDL: 0.003283

Predicted MQL: 0.010942

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00020 | .000    | 1        |
| S1        | .01000       | .01068      | .001       | 6.81    | .00021  | .000    | 1        |
| S2        | 1.2500       | 1.2260      | -.024      | -1.92   | .04692  | .000    | 1        |
| S3        | 2.5000       | 2.4576      | -.042      | -1.70   | .09425  | .000    | 1        |
| S4        | 5.0000       | 4.9182      | -.082      | -1.64   | .18882  | .001    | 1        |
| S5        | 10.000       | 10.148      | .148       | 1.48    | .38980  | .000    | 1        |



Date of Fit: 5/23/2017 20:06:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000154

Re-Slope: 1.000000

A1 (Gain): 0.075587

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999331

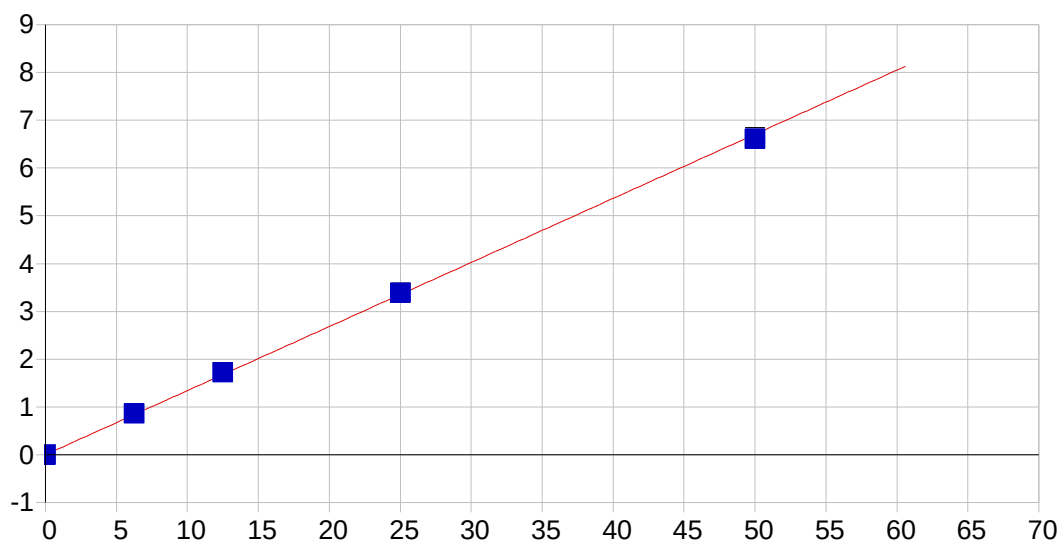
Status: OK.

Std Error of Est: 0.000072

Predicted MDL: 0.001426

Predicted MQL: 0.004752

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00015 | .000    | 1        |
| S1        | .02500       | .02790      | .003       | 11.6    | .00179  | .000    | 1        |
| S2        | 1.2500       | 1.3445      | .094       | 7.56    | .09975  | .000    | 1        |
| S3        | 2.5000       | 2.6323      | .132       | 5.29    | .19538  | .001    | 1        |
| S4        | 5.0000       | 5.0680      | .068       | 1.36    | .37606  | .001    | 1        |
| S5        | 10.000       | 9.7025      | -.297      | -2.97   | .71950  | .002    | 1        |

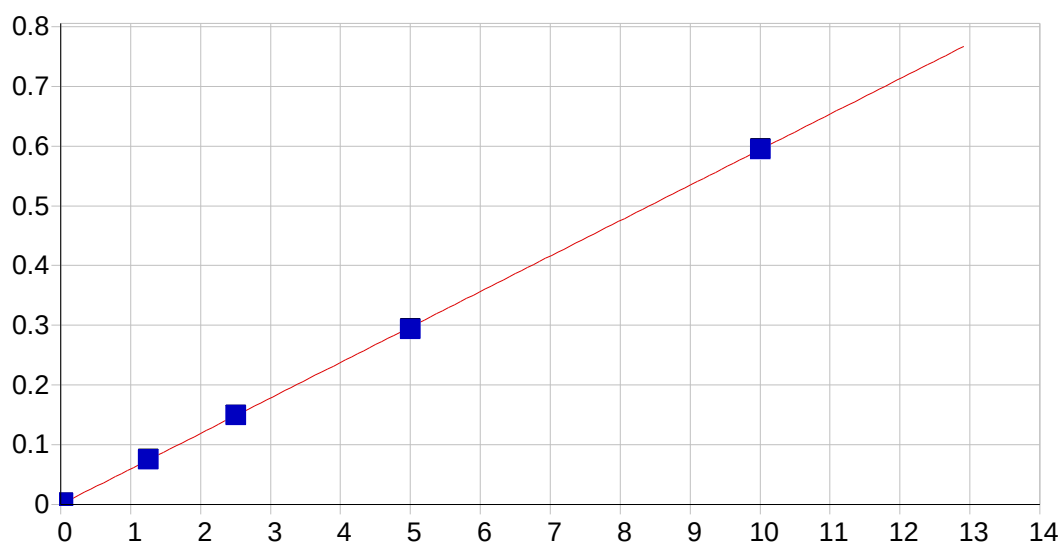


Pb 220.353 {453}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000066 Re-Slope: 1.000000  
 A1 (Gain): 0.134135 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999875 Status: OK.  
 Std Error of Est: 0.000080  
 Predicted MDL: 0.001479  
 Predicted MQL: 0.004931

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00007 | .000    | 1        |
| S1        | .01000       | .01024      | .000       | 2.35    | .00144 | .000    | 1        |
| S2        | 6.2500       | 6.4343      | .184       | 2.95    | .86338 | .001    | 1        |
| S3        | 12.500       | 12.793      | .293       | 2.34    | 1.7165 | .003    | 1        |
| S4        | 25.000       | 25.210      | .210       | .840    | 3.3826 | .008    | 1        |
| S5        | 50.000       | 49.313      | -.687      | -1.37   | 6.6167 | .018    | 1        |

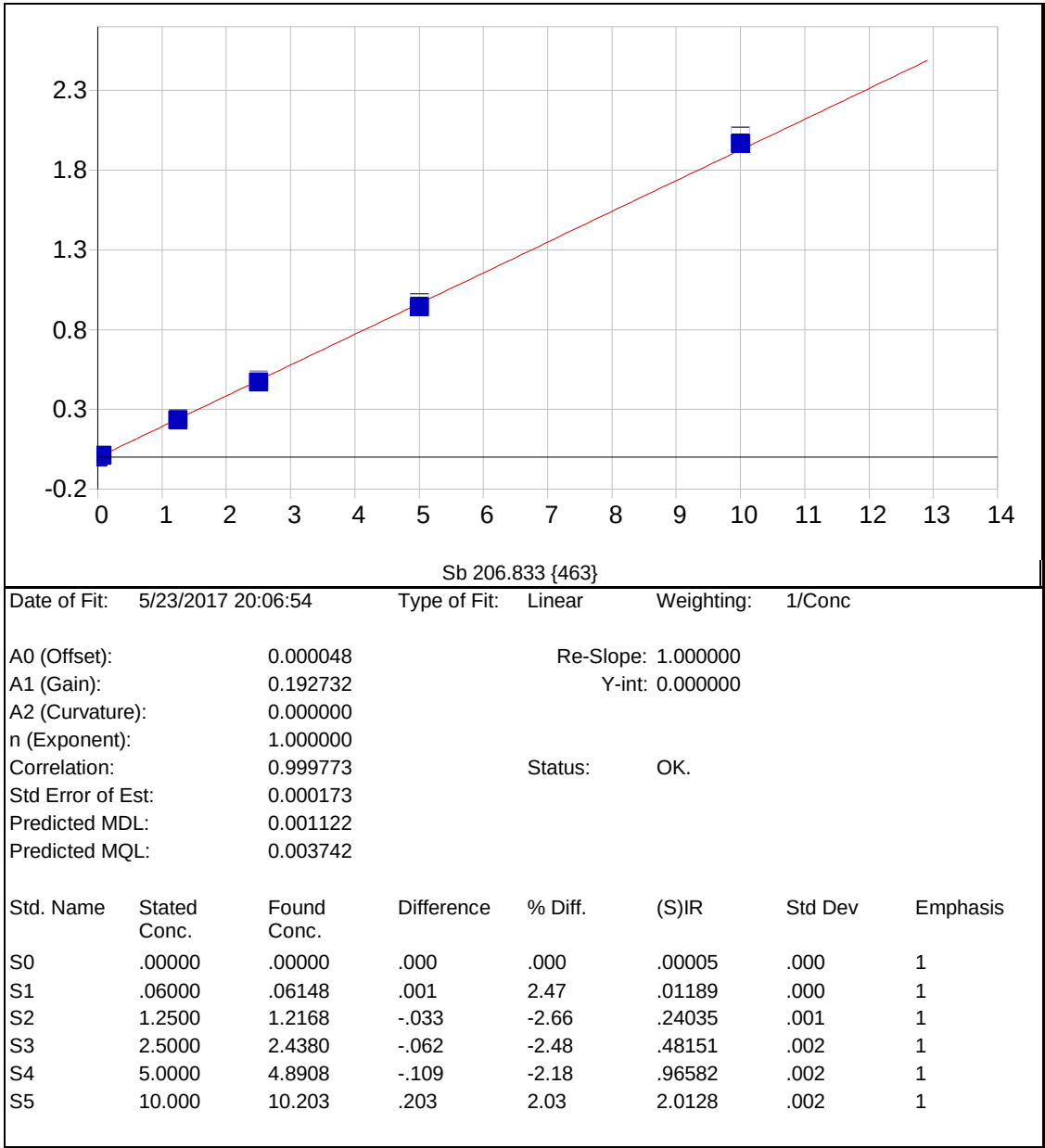


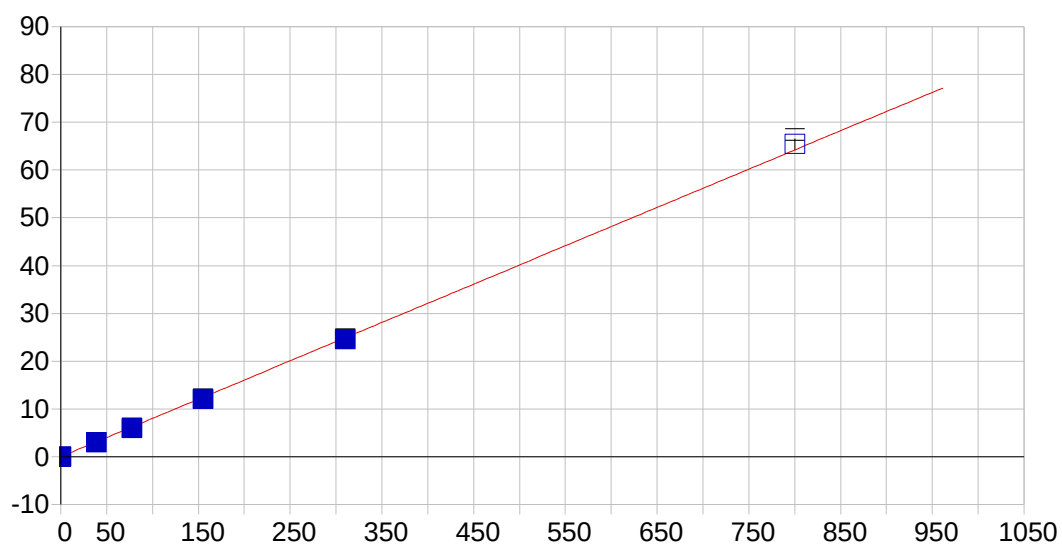
Se 196.090 {472}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000183 Re-Slope: 1.000000  
 A1 (Gain): 0.059381 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999965 Status: OK.  
 Std Error of Est: 0.000016  
 Predicted MDL: 0.002675  
 Predicted MQL: 0.008915

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00018 | .000    | 1        |
| S1        | .03500       | .03862      | .004       | 10.3    | .00247 | .000    | 1        |
| S2        | 1.2500       | 1.2683      | .018       | 1.46    | .07522 | .000    | 1        |
| S3        | 2.5000       | 2.5109      | .011       | .438    | .14874 | .000    | 1        |
| S4        | 5.0000       | 4.9460      | -.054      | -1.08   | .29279 | .001    | 1        |
| S5        | 10.000       | 10.021      | .021       | .211    | .59305 | .001    | 1        |



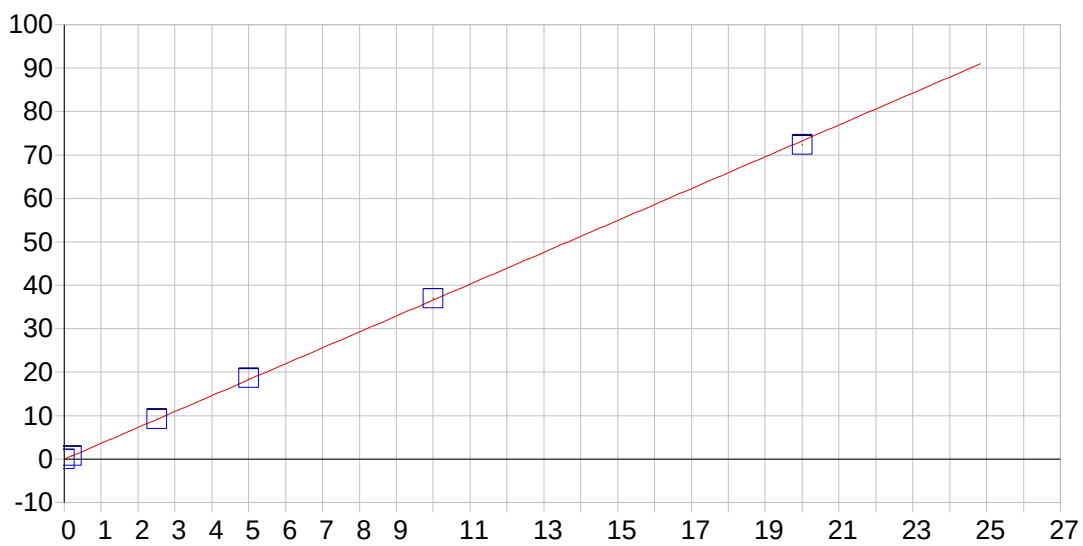


AI 396.152 { 85}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000089 Re-Slope: 1.000000  
 A1 (Gain): 0.080259 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999724 Status: OK.  
 Std Error of Est: 0.001173  
 Predicted MDL: 0.006914  
 Predicted MQL: 0.023048

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | -.00009 | .000    | 1        |
| S1        | .20000       | .19836      | -.002      | -.818   | .01586  | .001    | 1        |
| S2        | 38.750       | 36.746      | -2.00      | -5.17   | 2.9528  | .005    | 1        |
| S3        | 77.500       | 73.919      | -3.58      | -4.62   | 5.9401  | .004    | 1        |
| S4        | 155.00       | 149.67      | -5.33      | -3.44   | 12.028  | .021    | 1        |
| S5        | 310.00       | 306.31      | -3.69      | -1.19   | 24.614  | .028    | 1        |
| S6        | 800.00       | 814.62      | 14.6       | 1.83    | 65.381  | 1.20    | 1        |

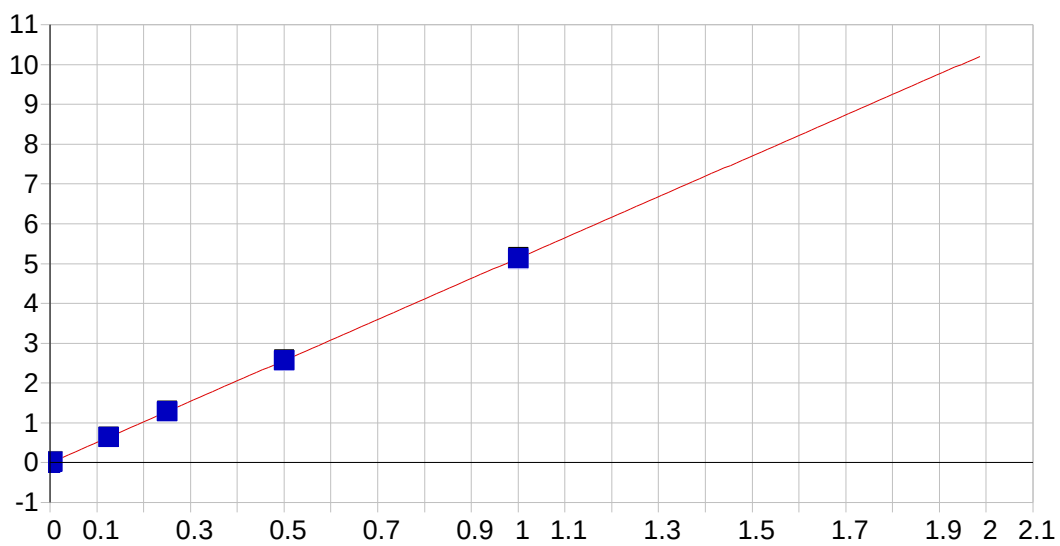


Ba 493.409 { 68}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.064597 Re-Slope: 1.000000  
 A1 (Gain): 3.666429 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913 Status: OK.  
 Std Error of Est: 0.005146  
 Predicted MDL: 0.000587  
 Predicted MQL: 0.001955

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.06465 | .000    | 1        |
| S1        | .20000       | .20675      | .007       | 3.37    | .69342  | .009    | 1        |
| S2        | 2.5000       | 2.5424      | .042       | 1.70    | 9.2571  | .010    | 1        |
| S3        | 5.0000       | 5.0947      | .095       | 1.89    | 18.615  | .039    | 1        |
| S4        | 10.000       | 10.097      | .097       | .967    | 36.954  | .023    | 1        |
| S5        | 20.000       | 19.759      | -.241      | -1.20   | 72.382  | .119    | 1        |



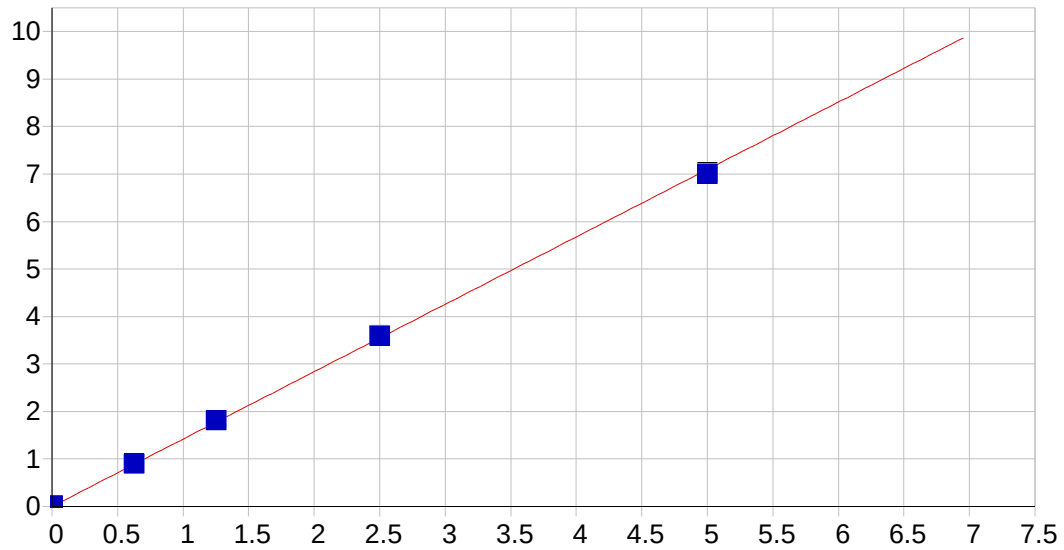
Be 234.861 {144}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001876 Re-Slope: 1.000000  
 A1 (Gain): 5.138355 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999984 Status: OK.  
 Std Error of Est: 0.000110  
 Predicted MDL: 0.000072  
 Predicted MQL: 0.000239

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00188 | .000    | 1        |
| S1        | .00500       | .00550      | .000       | 9.96    | .02636  | .000    | 1        |
| S2        | .12500       | .12534      | .000       | .273    | .64002  | .004    | 1        |
| S3        | .25000       | .25124      | .001       | .494    | 1.2847  | .009    | 1        |
| S4        | .50000       | .50006      | .000       | .012    | 2.5590  | .016    | 1        |
| S5        | 1.0000       | .99786      | -.002      | -.214   | 5.1082  | .035    | 1        |



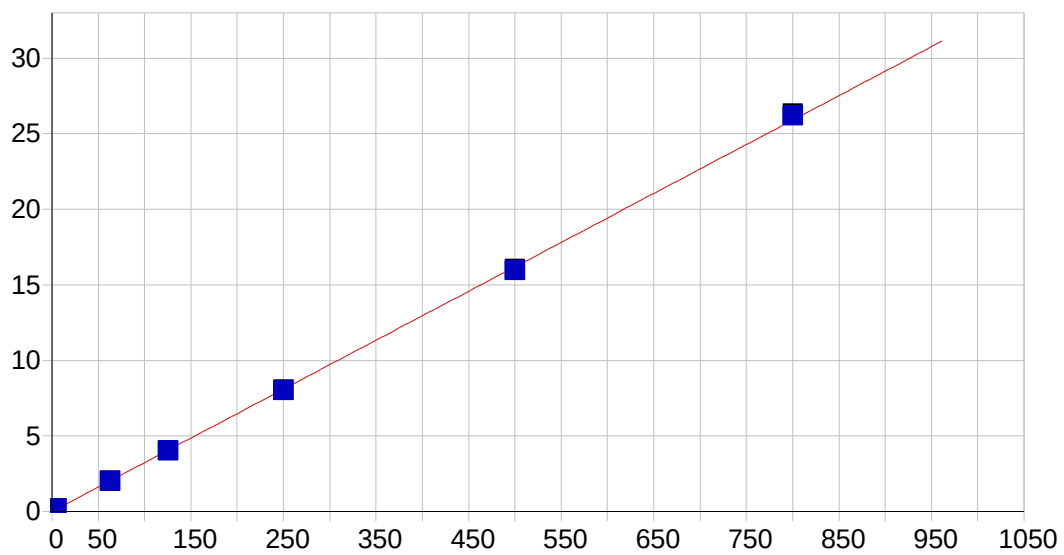


Cd 214.438 {457}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000221 Re-Slope: 1.000000  
 A1 (Gain): 1.419350 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999894 Status: OK.  
 Std Error of Est: 0.000174  
 Predicted MDL: 0.000098  
 Predicted MQL: 0.000326

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00022 | .000    | 1        |
| S1        | .00500       | .00524      | .000       | 4.86    | .00767 | .000    | 1        |
| S2        | .62500       | .63485      | .010       | 1.58    | .90285 | .000    | 1        |
| S3        | 1.2500       | 1.2761      | .026       | 2.09    | 1.8146 | .001    | 1        |
| S4        | 2.5000       | 2.5309      | .031       | 1.24    | 3.5987 | .006    | 1        |
| S5        | 5.0000       | 4.9329      | -.067      | -1.34   | 7.0141 | .017    | 1        |

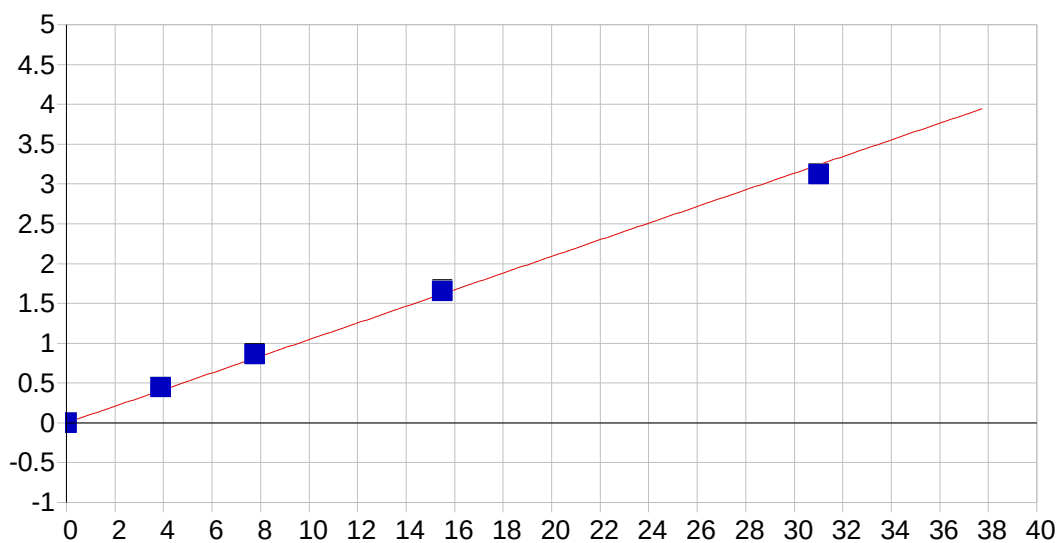


Ca 373.690 { 90}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002020 Re-Slope: 1.000000  
 A1 (Gain): 0.032374 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999925 Status: OK.  
 Std Error of Est: 0.001378  
 Predicted MDL: 0.013284  
 Predicted MQL: 0.044280

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00015     | .000       | .000    | .00202 | .000    | 1        |
| S1        | 5.0000       | 5.1972      | .197       | 3.94    | .17027 | .002    | 1        |
| S2        | 62.500       | 63.041      | .541       | .865    | 2.0404 | .005    | 1        |
| S3        | 125.00       | 124.27      | -.735      | -.588   | 4.0201 | .007    | 1        |
| S4        | 250.00       | 247.58      | -2.42      | -.966   | 8.0075 | .024    | 1        |
| S5        | 500.00       | 492.81      | -7.19      | -1.44   | 15.936 | .077    | 1        |
| S6        | 800.00       | 809.61      | 9.61       | 1.20    | 26.160 | .123    | 1        |

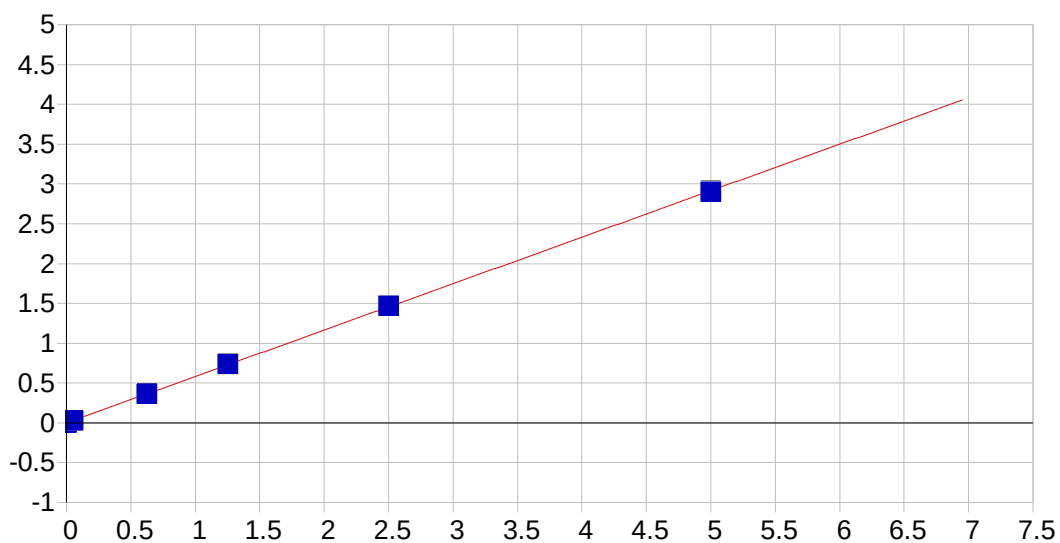


Cr 267.716 {126}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000014 Re-Slope: 1.000000  
 A1 (Gain): 0.104502 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998991 Status: OK.  
 Std Error of Est: 0.000139  
 Predicted MDL: 0.000464  
 Predicted MQL: 0.001548

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00001 | .000    | 1        |
| S1        | .01000       | .01200      | .002       | 20.0    | .00125  | .000    | 1        |
| S2        | 3.8750       | 4.2441      | .369       | 9.52    | .44455  | .002    | 1        |
| S3        | 7.7500       | 8.2399      | .490       | 6.32    | .86317  | .003    | 1        |
| S4        | 15.500       | 15.820      | .320       | 2.06    | 1.6574  | .012    | 1        |
| S5        | 31.000       | 29.819      | -1.18      | -3.81   | 3.1245  | .007    | 1        |

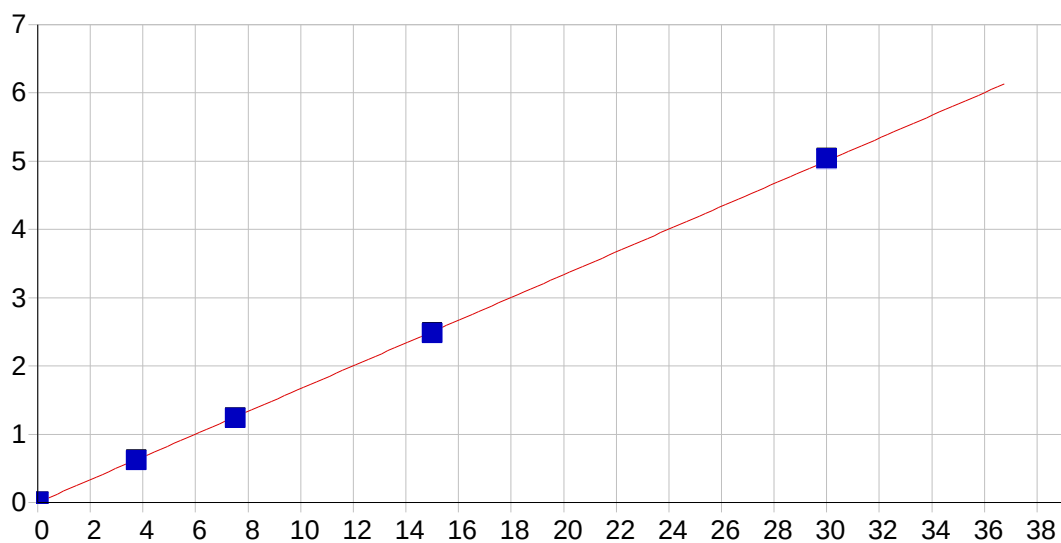


Co 228.616 {448}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000359 Re-Slope: 1.000000  
 A1 (Gain): 0.583010 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999977 Status: OK.  
 Std Error of Est: 0.000105  
 Predicted MDL: 0.000245  
 Predicted MQL: 0.000816

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00036 | .000    | 1        |
| S1        | .05000       | .04905      | -.001      | -1.91   | .02834  | .000    | 1        |
| S2        | .62500       | .62606      | .001       | .170    | .36540  | .001    | 1        |
| S3        | 1.2500       | 1.2620      | .012       | .962    | .73693  | .001    | 1        |
| S4        | 2.5000       | 2.5175      | .017       | .700    | 1.4704  | .002    | 1        |
| S5        | 5.0000       | 4.9704      | -.030      | -.592   | 2.9035  | .006    | 1        |

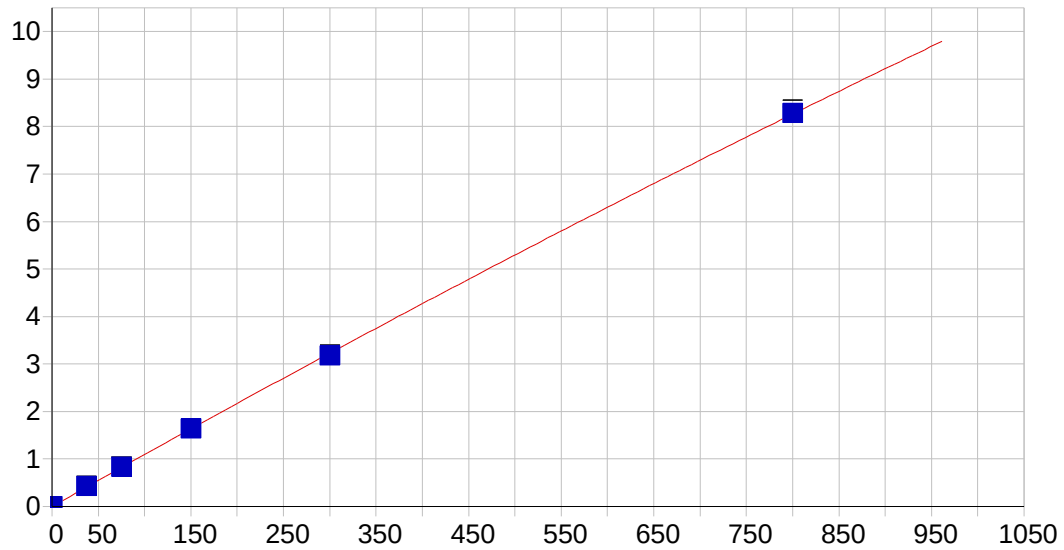


Cu 324.754 {104}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000717 Re-Slope: 1.000000  
 A1 (Gain): 0.166791 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999973 Status: OK.  
 Std Error of Est: 0.000057  
 Predicted MDL: 0.001808  
 Predicted MQL: 0.006025

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00072 | .000    | 1        |
| S1        | .02500       | .02569      | .001       | 2.78    | .00498 | .000    | 1        |
| S2        | 3.7500       | 3.7241      | -.026      | -.691   | .62007 | .002    | 1        |
| S3        | 7.5000       | 7.4366      | -.063      | -.845   | 1.2375 | .004    | 1        |
| S4        | 15.000       | 14.883      | -.117      | -.782   | 2.4759 | .008    | 1        |
| S5        | 30.000       | 30.206      | .206       | .687    | 5.0245 | .007    | 1        |

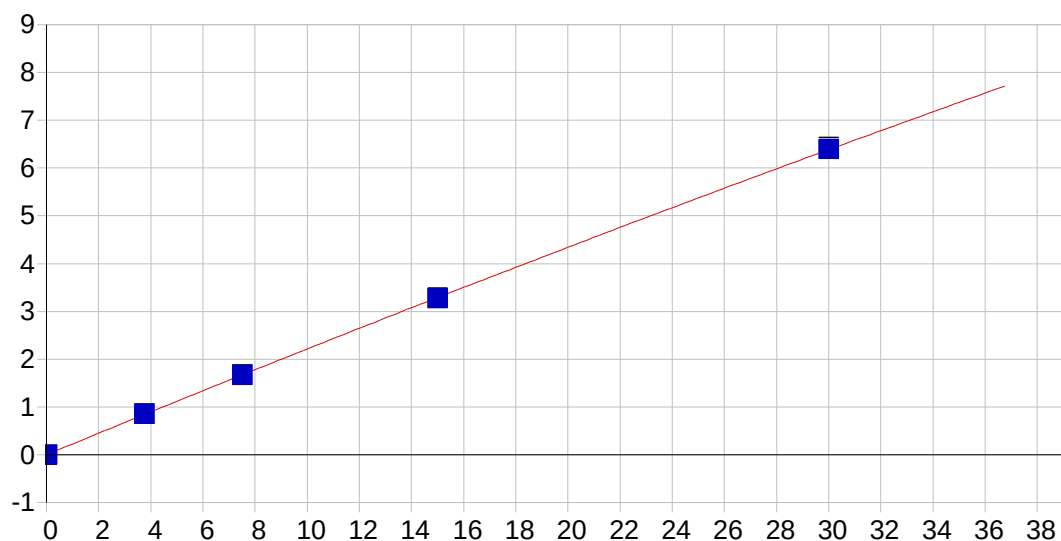


Fe 259.837 {130}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000173 Re-Slope: 1.000000  
 A1 (Gain): 0.011020 Y-int: 0.000000  
 A2 (Curvature): -0.000001  
 n (Exponent): 1.000000  
 Correlation: 0.999947 Status: OK.  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.014317  
 Predicted MQL: 0.047722

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00017 | .000    | 1        |
| S1        | .10000       | .10747      | .007       | 7.47    | .00136 | .000    | 1        |
| S2        | 37.500       | 38.816      | 1.32       | 3.51    | .42713 | .003    | 1        |
| S3        | 75.000       | 76.265      | 1.26       | 1.69    | .83661 | .001    | 1        |
| S4        | 150.00       | 150.38      | .380       | .253    | 1.6398 | .005    | 1        |
| S5        | 300.00       | 295.49      | -4.51      | -1.50   | 3.1851 | .015    | 1        |
| S6        | 800.00       | 801.56      | 1.56       | .195    | 8.2825 | .072    | 1        |

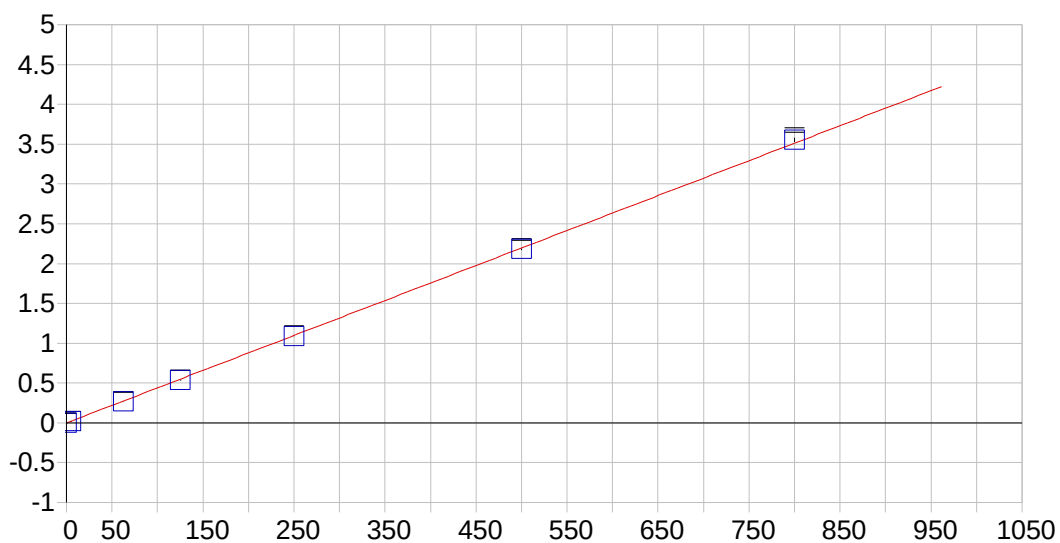


Mn 257.610 {131}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000095 Re-Slope: 1.000000  
 A1 (Gain): 0.225706 Y-int: 0.000000  
 A2 (Curvature): -0.000430  
 n (Exponent): 1.000000  
 Correlation: 0.999989 Status: OK.  
 Std Error of Est: 0.000042  
 Predicted MDL: 0.000797  
 Predicted MQL: 0.002657

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00010 | .000    | 1        |
| S1        | .01500       | .01707      | .002       | 13.8    | .00376  | .000    | 1        |
| S2        | 3.7500       | 3.7951      | .045       | 1.20    | .85047  | .004    | 1        |
| S3        | 7.5000       | 7.4880      | -.012      | -.160   | 1.6663  | .004    | 1        |
| S4        | 15.000       | 14.932      | -.068      | -.455   | 3.2749  | .012    | 1        |
| S5        | 30.000       | 30.033      | .033       | .111    | 6.3922  | .042    | 1        |



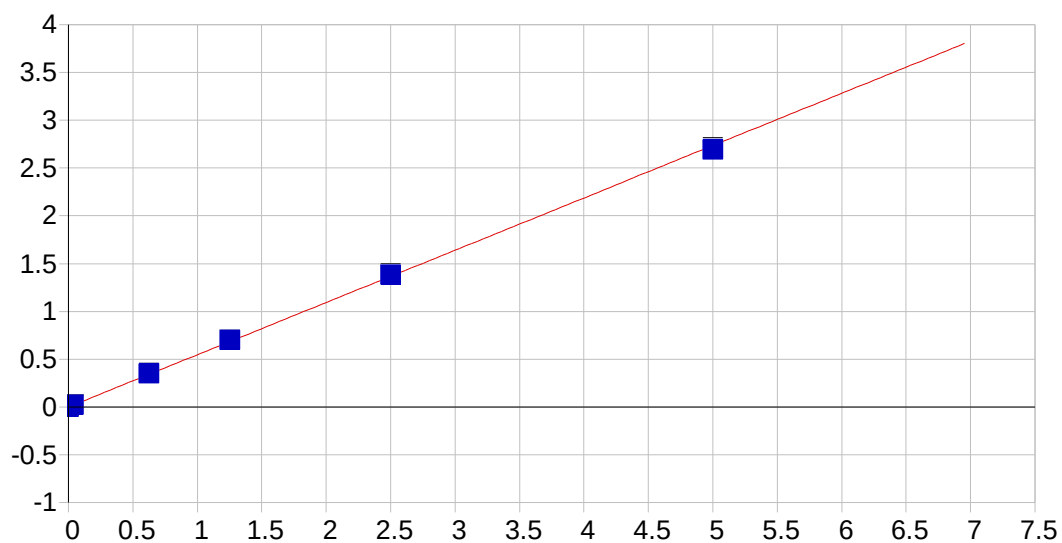
Mg 279.079 {121}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000163 Re-Slope: 1.000000  
 A1 (Gain): 0.004390 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999927 Status: OK.  
 Std Error of Est: 0.000185  
 Predicted MDL: 0.040378  
 Predicted MQL: 0.134593

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00027      | .000       | .000    | -.00016 | .000    | 1        |
| S1        | 5.0000       | 4.9951      | -.005      | -.099   | .02177  | .000    | 1        |
| S2        | 62.500       | 60.534      | -1.97      | -3.14   | .26561  | .002    | 1        |
| S3        | 125.00       | 122.37      | -2.63      | -2.11   | .53707  | .001    | 1        |
| S4        | 250.00       | 248.28      | -1.72      | -.689   | 1.0899  | .002    | 1        |
| S5        | 500.00       | 497.06      | -2.94      | -.589   | 2.1821  | .010    | 1        |
| S6        | 800.00       | 809.27      | 9.27       | 1.16    | 3.5528  | .027    | 1        |



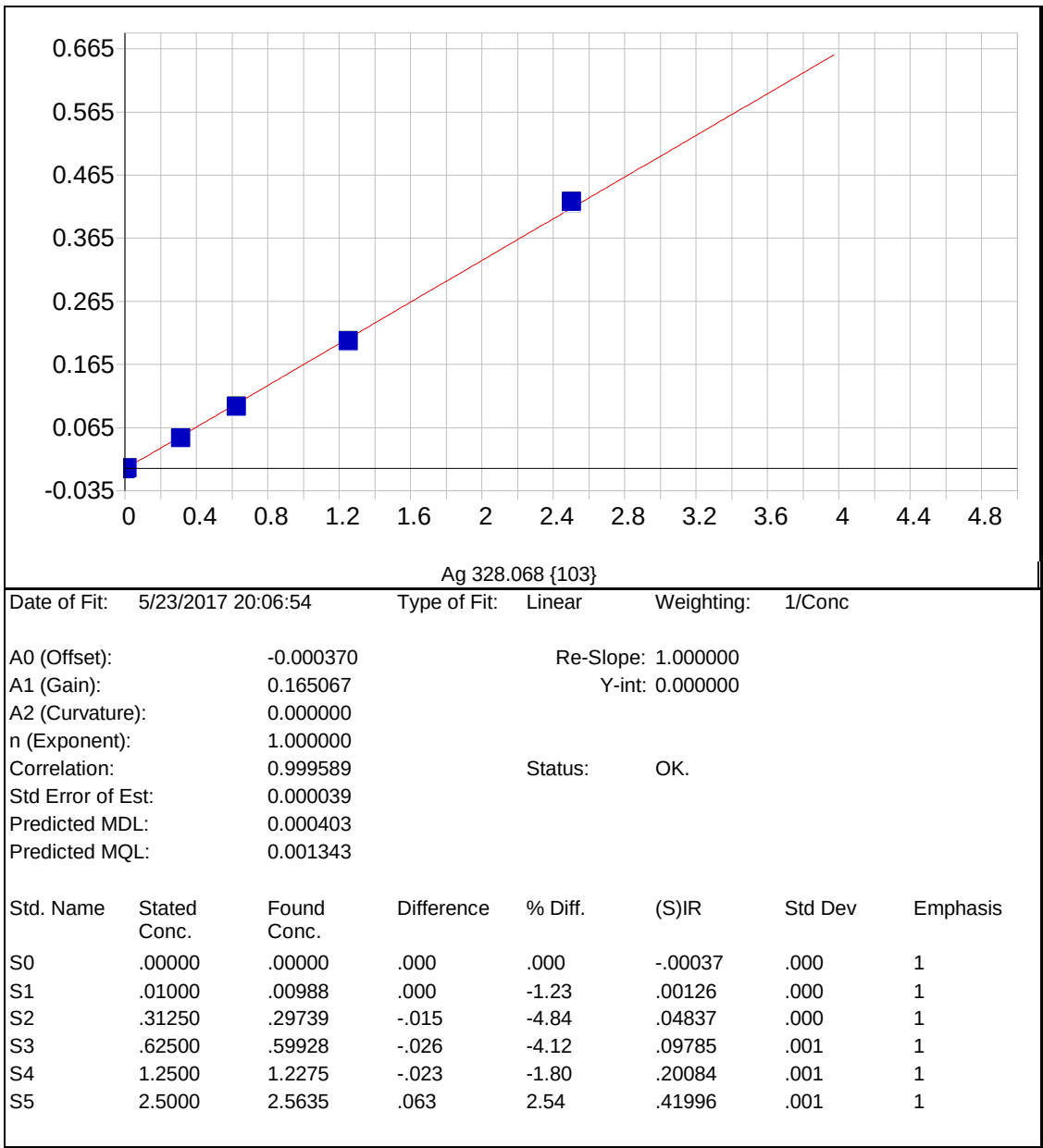


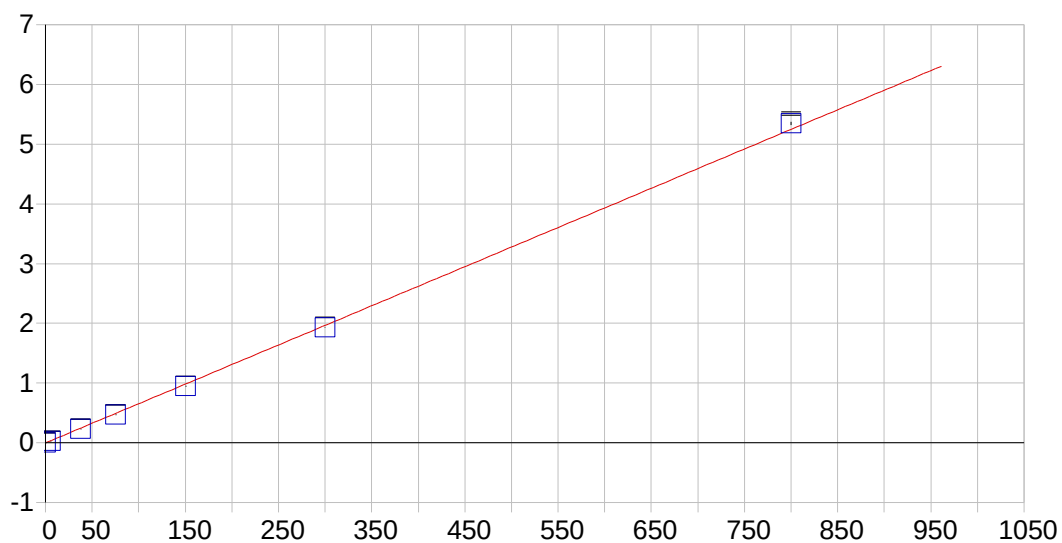
Ni 231.604 {446}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000568 Re-Slope: 1.000000  
 A1 (Gain): 0.546964 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999847 Status: OK.  
 Std Error of Est: 0.000228  
 Predicted MDL: 0.000343  
 Predicted MQL: 0.001144

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00057 | .000    | 1        |
| S1        | .04000       | .04064      | .001       | 1.60    | .02169  | .000    | 1        |
| S2        | .62500       | .64177      | .017       | 2.68    | .35225  | .001    | 1        |
| S3        | 1.2500       | 1.2818      | .032       | 2.54    | .70412  | .001    | 1        |
| S4        | 2.5000       | 2.5304      | .030       | 1.22    | 1.3907  | .004    | 1        |
| S5        | 5.0000       | 4.9204      | -.080      | -1.59   | 2.7051  | .008    | 1        |





Na 818.326 { 41}

Date of Fit: 5/23/2017 20:06:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.002213

Re-Slope: 1.000000

A1 (Gain): 0.006559

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999709

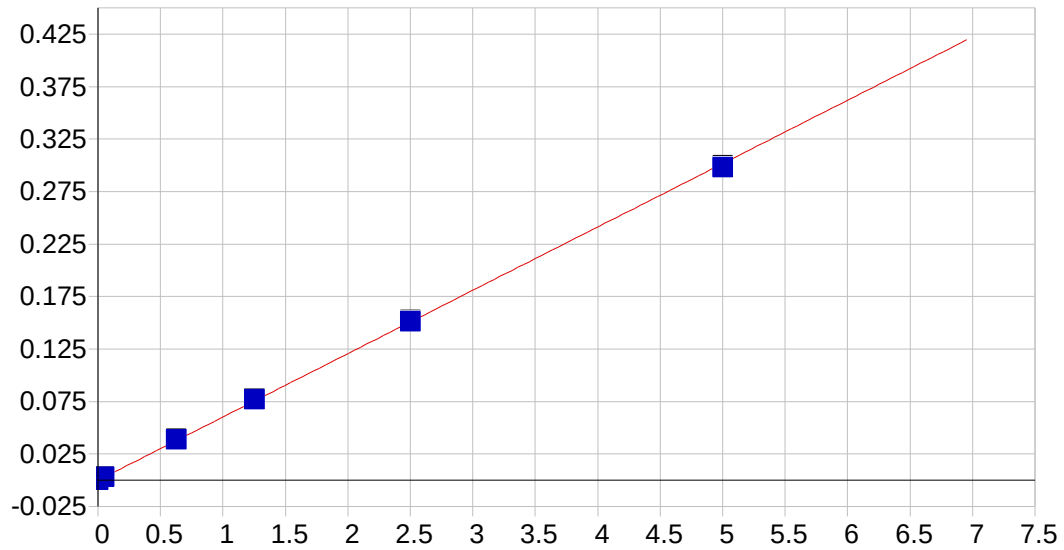
Status: OK.

Std Error of Est: 0.000490

Predicted MDL: 0.167656

Predicted MQL: 0.558854

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00080      | .001       | .000    | -.00221 | .000    | 1        |
| S1        | 5.0000       | 4.8235      | -.176      | -3.53   | .02943  | .001    | 1        |
| S2        | 37.500       | 35.625      | -1.88      | -5.00   | .23146  | .002    | 1        |
| S3        | 75.000       | 71.773      | -3.23      | -4.30   | .46857  | .001    | 1        |
| S4        | 150.00       | 144.99      | -5.01      | -3.34   | .94884  | .003    | 1        |
| S5        | 300.00       | 294.79      | -5.21      | -1.74   | 1.9314  | .004    | 1        |
| S6        | 800.00       | 815.50      | 15.5       | 1.94    | 5.3470  | .030    | 1        |



V 292.402 {115}

Date of Fit: 5/23/2017 20:06:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000069

Re-Slope: 1.000000

A1 (Gain): 0.060340

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999870

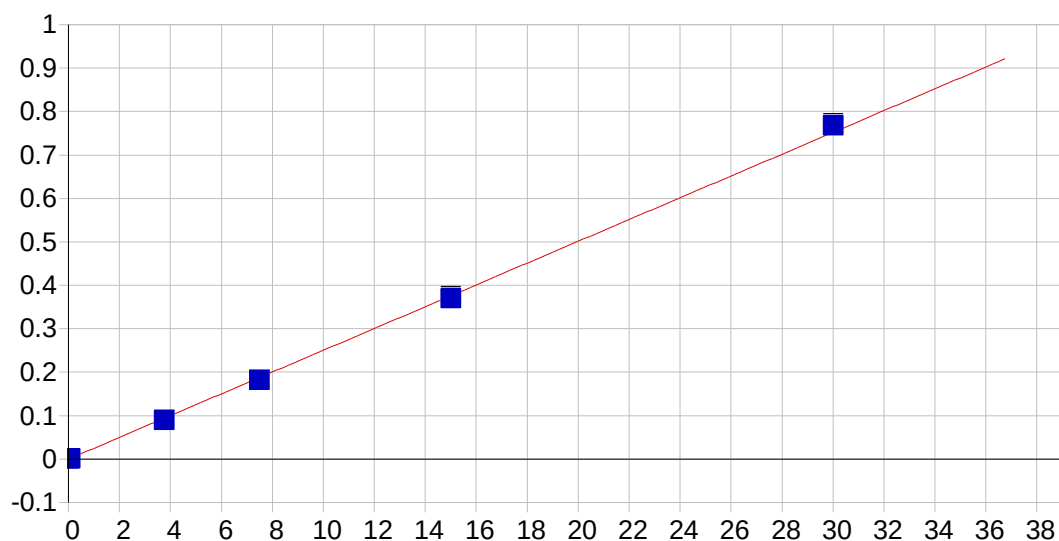
Status: OK.

Std Error of Est: 0.000026

Predicted MDL: 0.003753

Predicted MQL: 0.012510

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00007 | .000    | 1        |
| S1        | .05000       | .05534      | .005       | 10.7    | .00328  | .000    | 1        |
| S2        | .62500       | .64265      | .018       | 2.82    | .03886  | .000    | 1        |
| S3        | 1.2500       | 1.2782      | .028       | 2.26    | .07737  | .000    | 1        |
| S4        | 2.5000       | 2.5093      | .009       | .373    | .15197  | .001    | 1        |
| S5        | 5.0000       | 4.9395      | -.061      | -1.21   | .29923  | .001    | 1        |



Zn 213.856 {158}

Date of Fit: 5/23/2017 20:06:54

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000397

Re-Slope: 1.000000

A1 (Gain): 0.025080

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999708

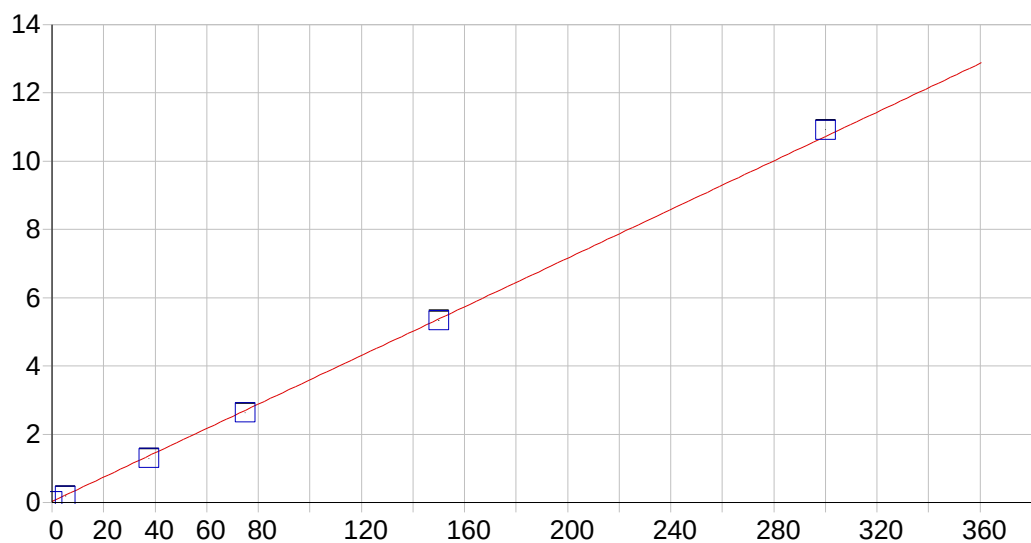
Status: OK.

Std Error of Est: 0.000043

Predicted MDL: 0.016835

Predicted MQL: 0.056117

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00040 | .000    | 1        |
| S1        | .06000       | .05790      | -.002      | -3.50   | .00106  | .000    | 1        |
| S2        | 3.7500       | 3.5742      | -.176      | -4.69   | .08947  | .001    | 1        |
| S3        | 7.5000       | 7.2733      | -.227      | -3.02   | .18247  | .001    | 1        |
| S4        | 15.000       | 14.758      | -.242      | -1.61   | .37062  | .004    | 1        |
| S5        | 30.000       | 30.647      | .647       | 2.16    | .77001  | .003    | 1        |

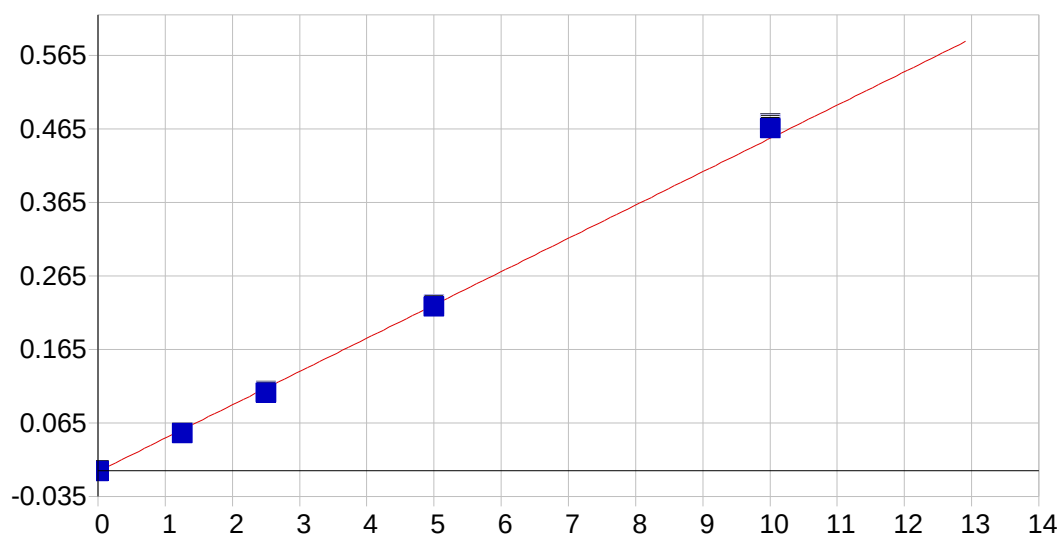


K 769.896 { 44}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.028541 Re-Slope: 1.000000  
 A1 (Gain): 0.035654 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999746 Status: OK.  
 Std Error of Est: 0.001656  
 Predicted MDL: 0.032658  
 Predicted MQL: 0.108860

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00064      | .001       | .000    | .02856 | .001    | 1        |
| S1        | 5.0000       | 4.7134      | -.287      | -5.73   | .19659 | .001    | 1        |
| S2        | 37.500       | 35.521      | -1.98      | -5.28   | 1.2950 | .006    | 1        |
| S3        | 75.000       | 72.950      | -2.05      | -2.73   | 2.6295 | .012    | 1        |
| S4        | 150.00       | 148.80      | -1.20      | -.799   | 5.3339 | .011    | 1        |
| S5        | 300.00       | 305.51      | 5.51       | 1.84    | 10.921 | .012    | 1        |

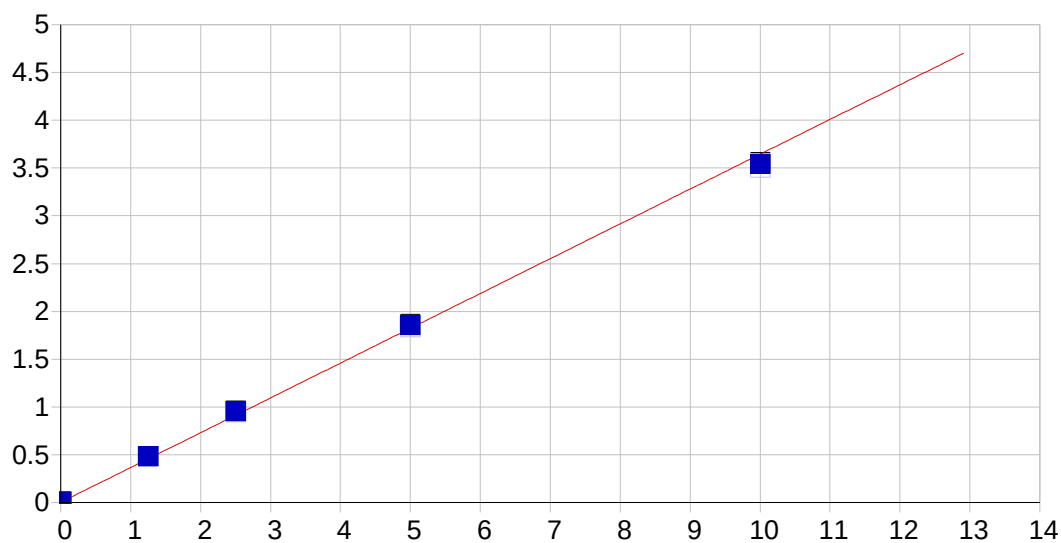


P 177.495 {490}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000947 Re-Slope: 1.000000  
 A1 (Gain): 0.045288 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999257 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.002027  
 Predicted MQL: 0.006758

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00095 | .000    | 1        |
| S1        | .01000       | .01346      | .003       | 34.6    | -.00033 | .000    | 1        |
| S2        | 1.2500       | 1.1377      | -.112      | -8.98   | .05131  | .000    | 1        |
| S3        | 2.5000       | 2.3625      | -.137      | -5.50   | .10751  | .001    | 1        |
| S4        | 5.0000       | 4.9439      | -.056      | -1.12   | .22588  | .001    | 1        |
| S5        | 10.000       | 10.302      | .302       | 3.02    | .47148  | .001    | 1        |



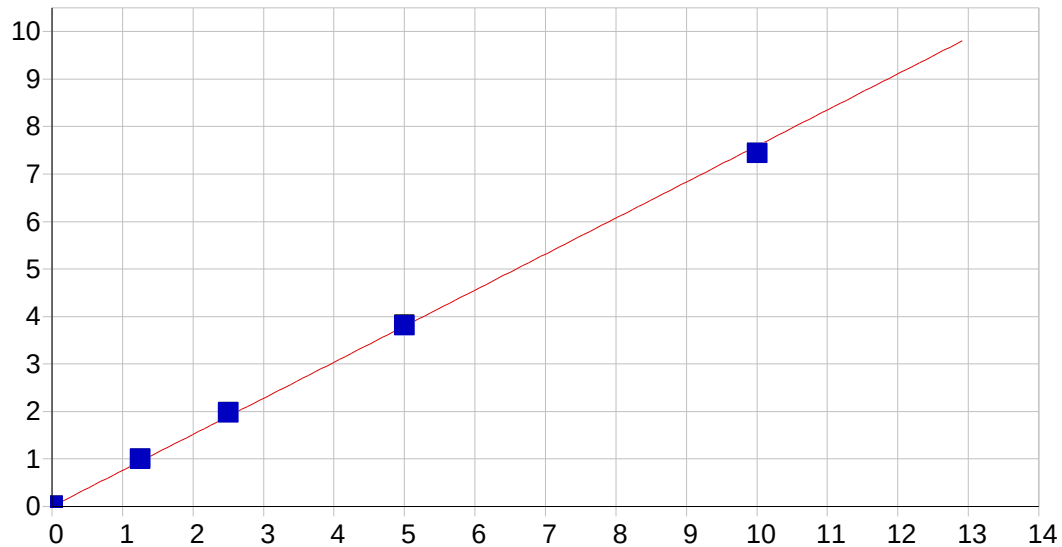
B 249.678 {135}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002527 Re-Slope: 1.000000  
 A1 (Gain): 0.364085 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999519 Status: OK.  
 Std Error of Est: 0.000187  
 Predicted MDL: 0.000969  
 Predicted MQL: 0.003229

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00253 | .000    | 1        |
| S1        | .01000       | .01125      | .001       | 12.5    | .00663 | .000    | 1        |
| S2        | 1.2500       | 1.3125      | .062       | 5.00    | .47469 | .000    | 1        |
| S3        | 2.5000       | 2.6144      | .114       | 4.58    | .94300 | .004    | 1        |
| S4        | 5.0000       | 5.0931      | .093       | 1.86    | 1.8340 | .011    | 1        |
| S5        | 10.000       | 9.7288      | -.271      | -2.71   | 3.4990 | .015    | 1        |



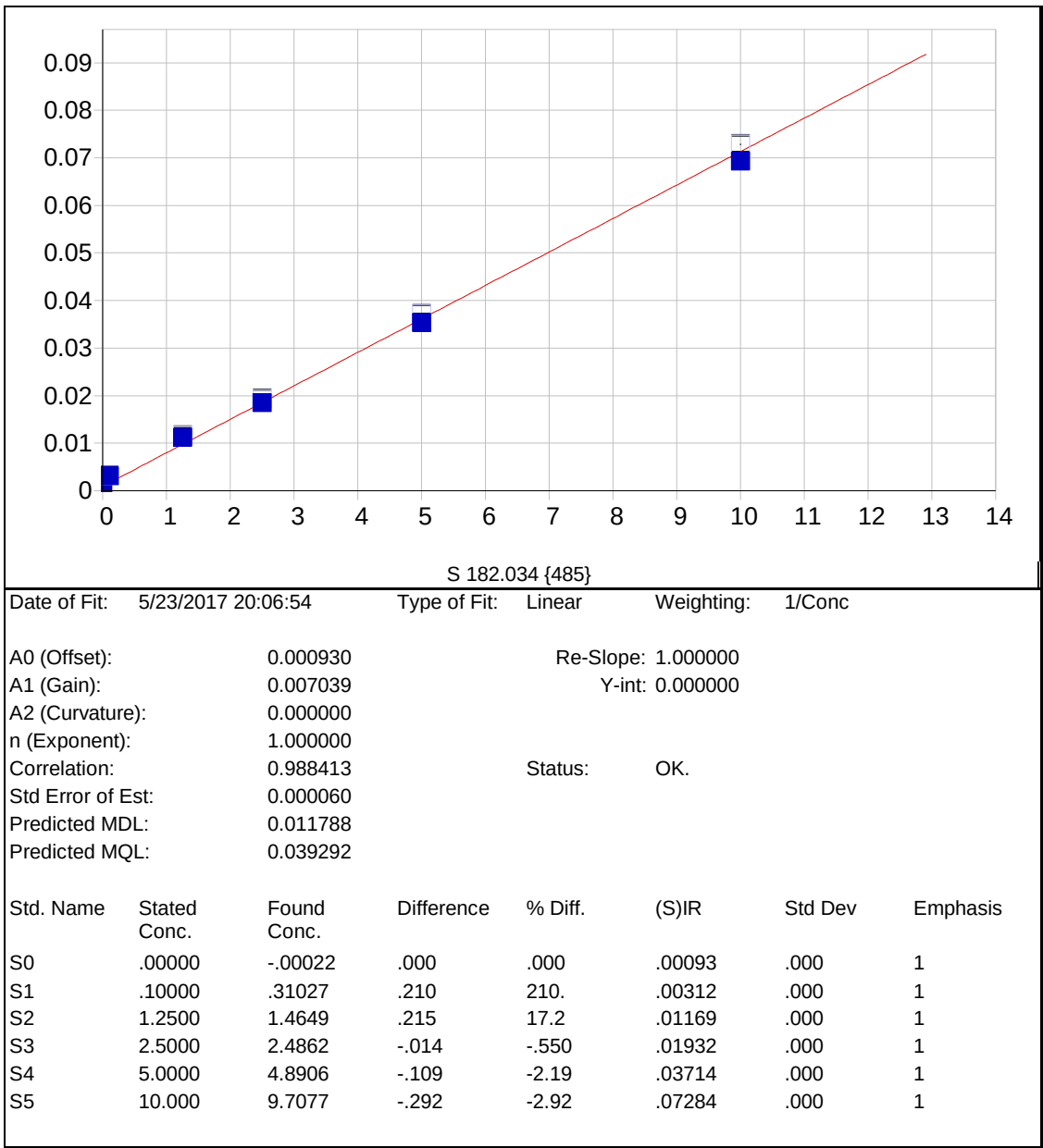


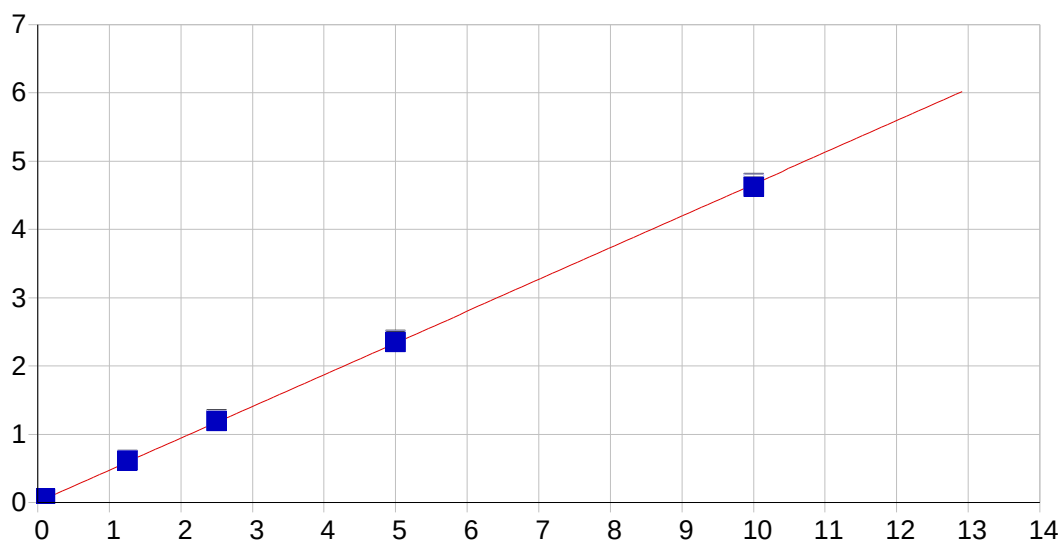
Mo 202.030 {467}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000308 Re-Slope: 1.000000  
 A1 (Gain): 0.759124 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999657 Status: OK.  
 Std Error of Est: 0.000334  
 Predicted MDL: 0.000260  
 Predicted MQL: 0.000866

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00031 | .000    | 1        |
| S1        | .01000       | .01133      | .001       | 13.3    | .00893 | .000    | 1        |
| S2        | 1.2500       | 1.3237      | .074       | 5.89    | 1.0060 | .003    | 1        |
| S3        | 2.5000       | 2.6032      | .103       | 4.13    | 1.9782 | .003    | 1        |
| S4        | 5.0000       | 5.0225      | .022       | .450    | 3.8164 | .011    | 1        |
| S5        | 10.000       | 9.7993      | -.201      | -2.01   | 7.4461 | .009    | 1        |



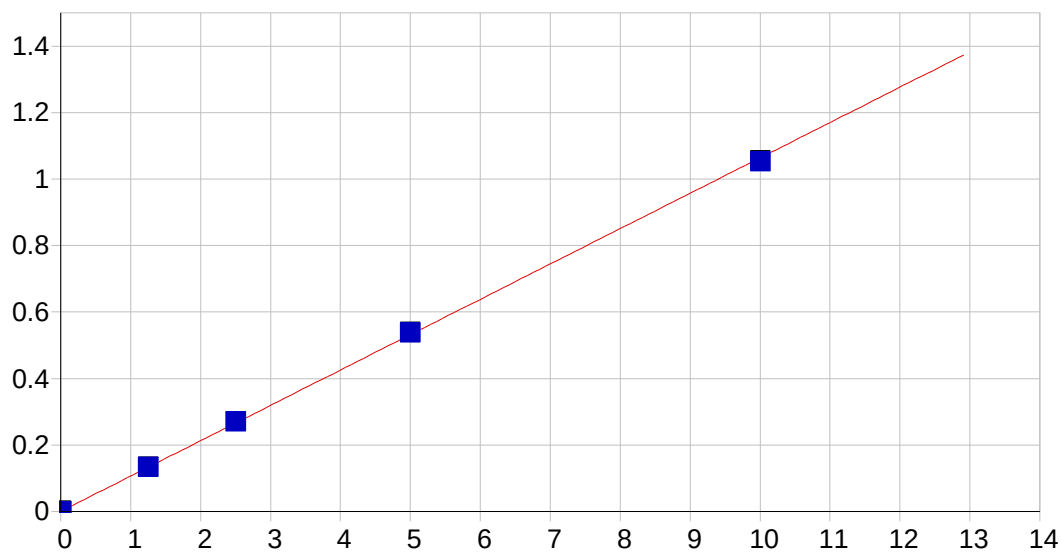


Si 251.611 {134}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009601 Re-Slope: 1.000000  
 A1 (Gain): 0.465435 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913 Status: OK.  
 Std Error of Est: 0.000329  
 Predicted MDL: 0.000894  
 Predicted MQL: 0.002979

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00960 | .001    | 1        |
| S1        | .10000       | .09917      | -.001      | -.832   | .05593 | .001    | 1        |
| S2        | 1.2500       | 1.2954      | .045       | 3.63    | .61938 | .001    | 1        |
| S3        | 2.5000       | 2.5409      | .041       | 1.64    | 1.2059 | .006    | 1        |
| S4        | 5.0000       | 5.0136      | .014       | .271    | 2.3705 | .010    | 1        |
| S5        | 10.000       | 9.9010      | -.099      | -.990   | 4.6727 | .007    | 1        |

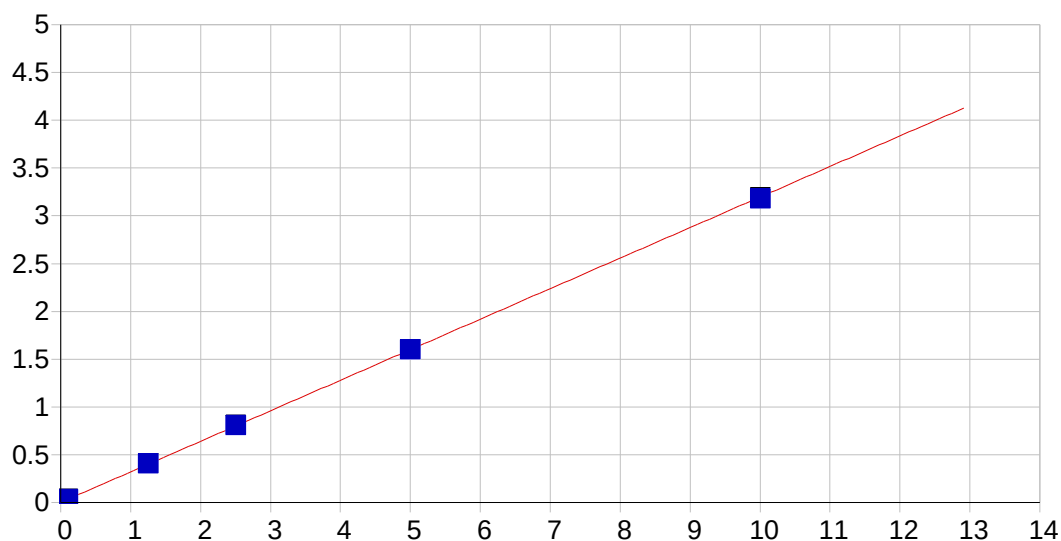


Sn 189.989 {478}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000093 Re-Slope: 1.000000  
 A1 (Gain): 0.106362 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999938 Status: OK.  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.000892  
 Predicted MQL: 0.002975

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00009 | .000    | 1        |
| S1        | .00700       | .00651      | .000       | -7.07   | .00077 | .000    | 1        |
| S2        | 1.2500       | 1.2569      | .007       | .554    | .13368 | .000    | 1        |
| S3        | 2.5000       | 2.5370      | .037       | 1.48    | .26973 | .001    | 1        |
| S4        | 5.0000       | 5.0582      | .058       | 1.16    | .53767 | .002    | 1        |
| S5        | 10.000       | 9.8983      | -.102      | -1.02   | 1.0521 | .003    | 1        |

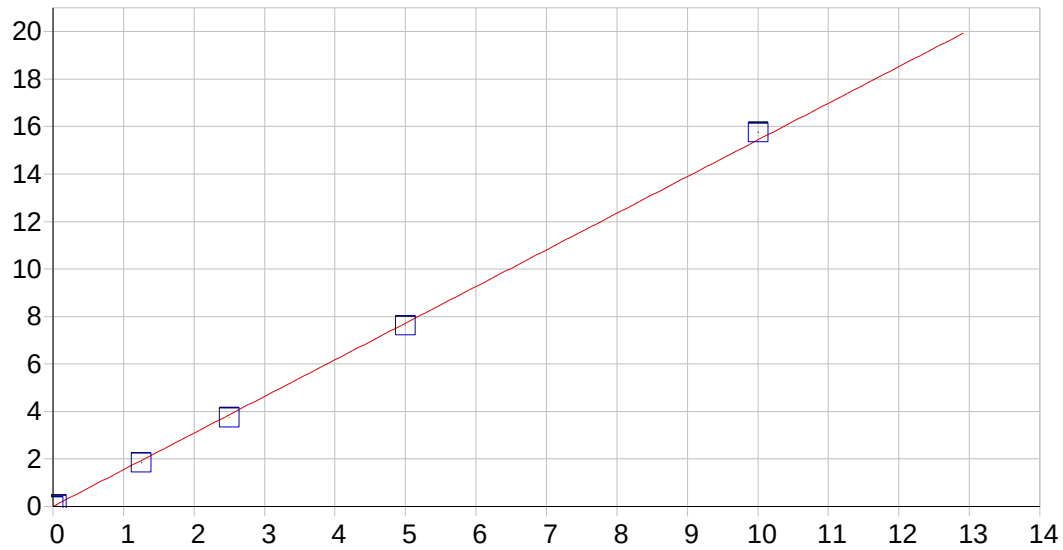


Ti 336.121 {100}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001144 Re-Slope: 1.000000  
 A1 (Gain): 0.319565 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999976 Status: OK.  
 Std Error of Est: 0.000117  
 Predicted MDL: 0.001038  
 Predicted MQL: 0.003460

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00114 | .000    | 1        |
| S1        | .10000       | .10434      | .004       | 4.34    | .03448 | .000    | 1        |
| S2        | 1.2500       | 1.2705      | .021       | 1.64    | .40702 | .001    | 1        |
| S3        | 2.5000       | 2.5208      | .021       | .833    | .80644 | .001    | 1        |
| S4        | 5.0000       | 4.9993      | -.001      | -.014   | 1.5982 | .002    | 1        |
| S5        | 10.000       | 9.9550      | -.045      | -.450   | 3.1813 | .011    | 1        |

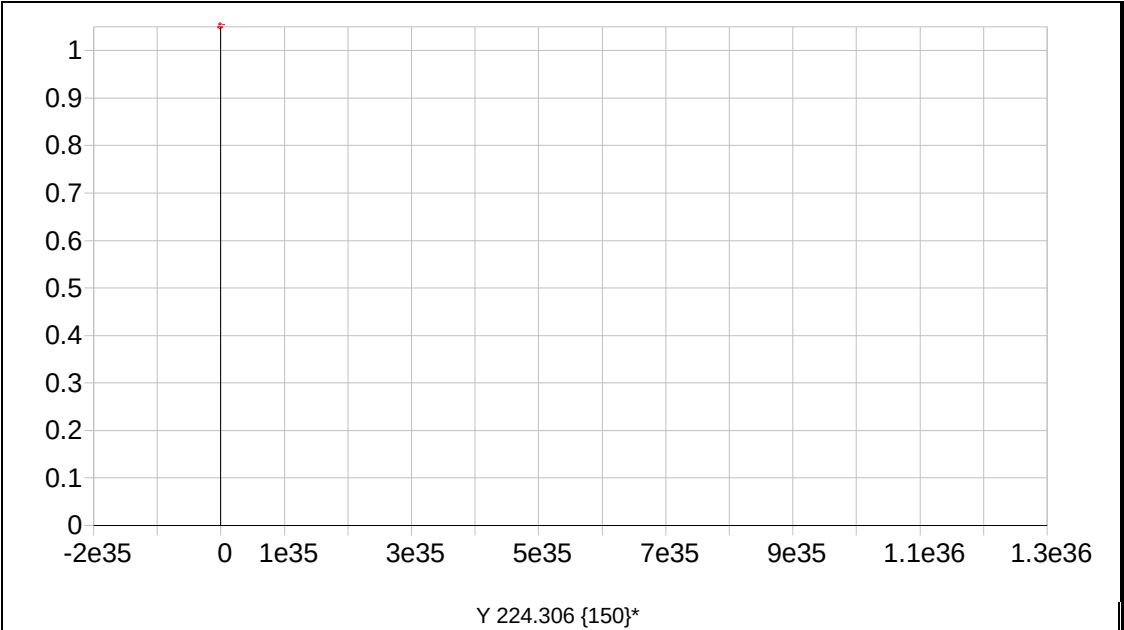


Li 670.784 { 50}

Date of Fit: 5/23/2017 20:06:54 Type of Fit: Linear Weighting: 1/Conc

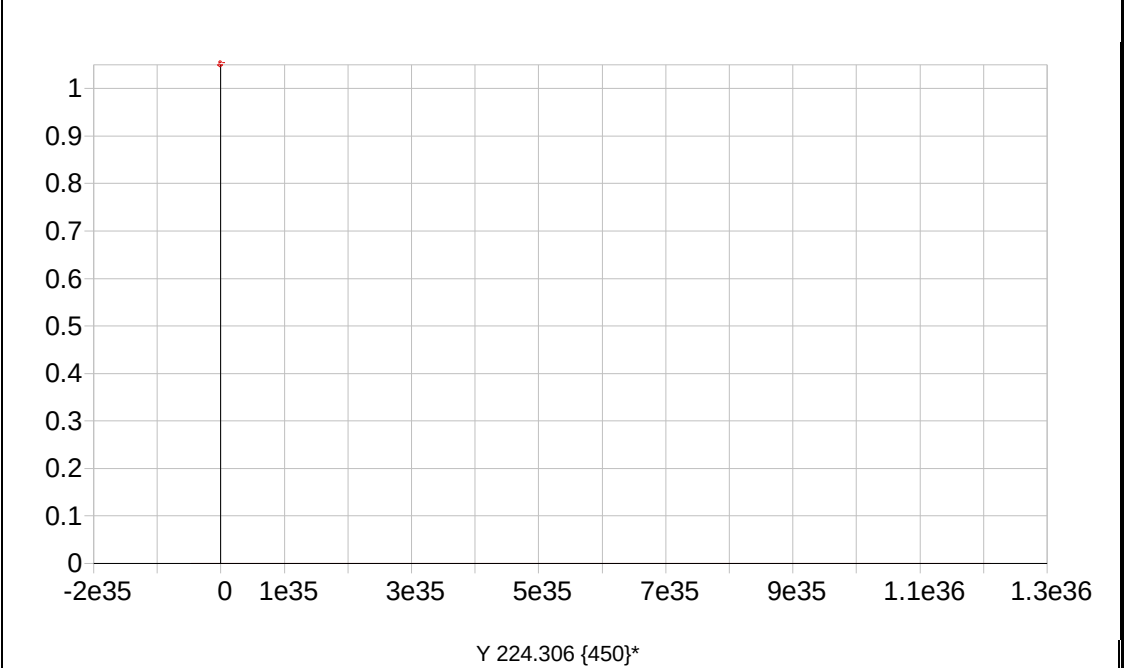
A0 (Offset): 0.005748 Re-Slope: 1.000000  
 A1 (Gain): 1.543186 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999725 Status: OK.  
 Std Error of Est: 0.001359  
 Predicted MDL: 0.000757  
 Predicted MQL: 0.002524

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00576 | .001    | 1        |
| S5        | 10.000       | 10.206      | .206       | 2.06    | 15.755 | .025    | 1        |
| S4        | 5.0000       | 4.9310      | -.069      | -1.38   | 7.6151 | .015    | 1        |
| S3        | 2.5000       | 2.4253      | -.075      | -2.99   | 3.7484 | .016    | 1        |
| S2        | 1.2500       | 1.1909      | -.059      | -4.73   | 1.8435 | .003    | 1        |
| S1        | .05000       | .04728      | -.003      | -5.43   | .07872 | .001    | 1        |

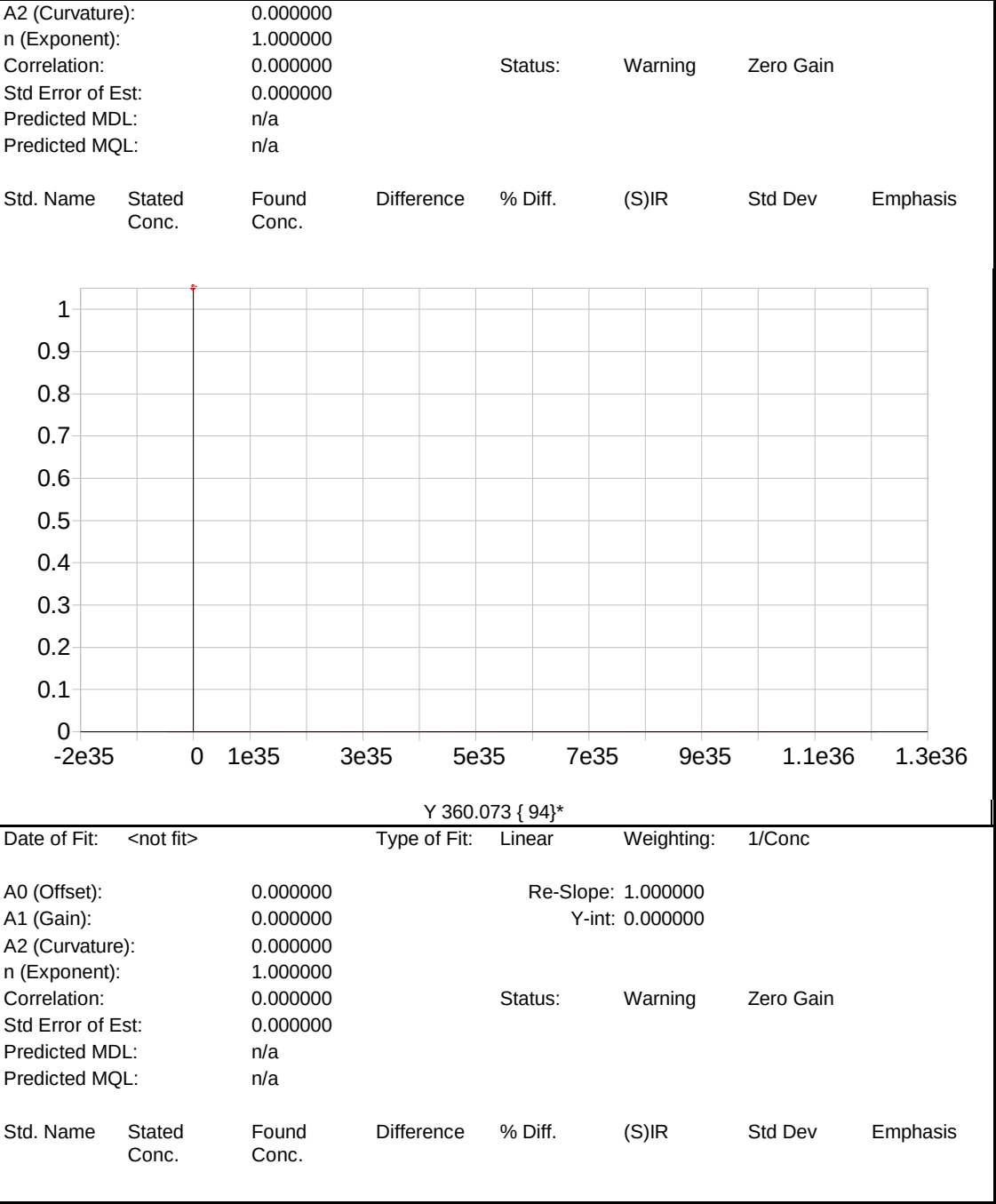


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

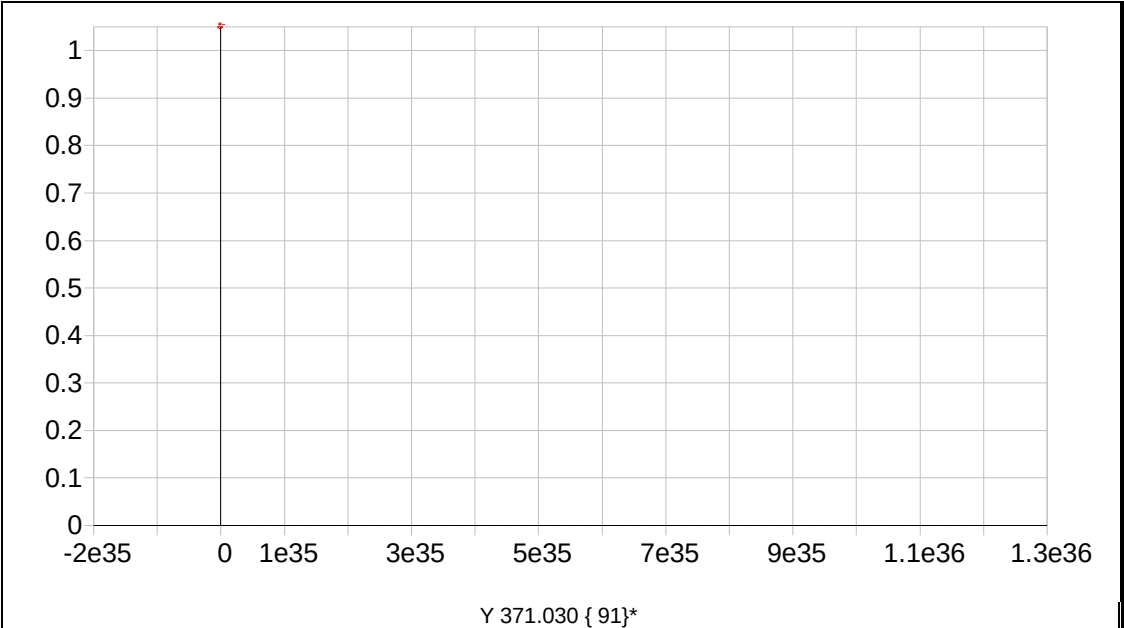
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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



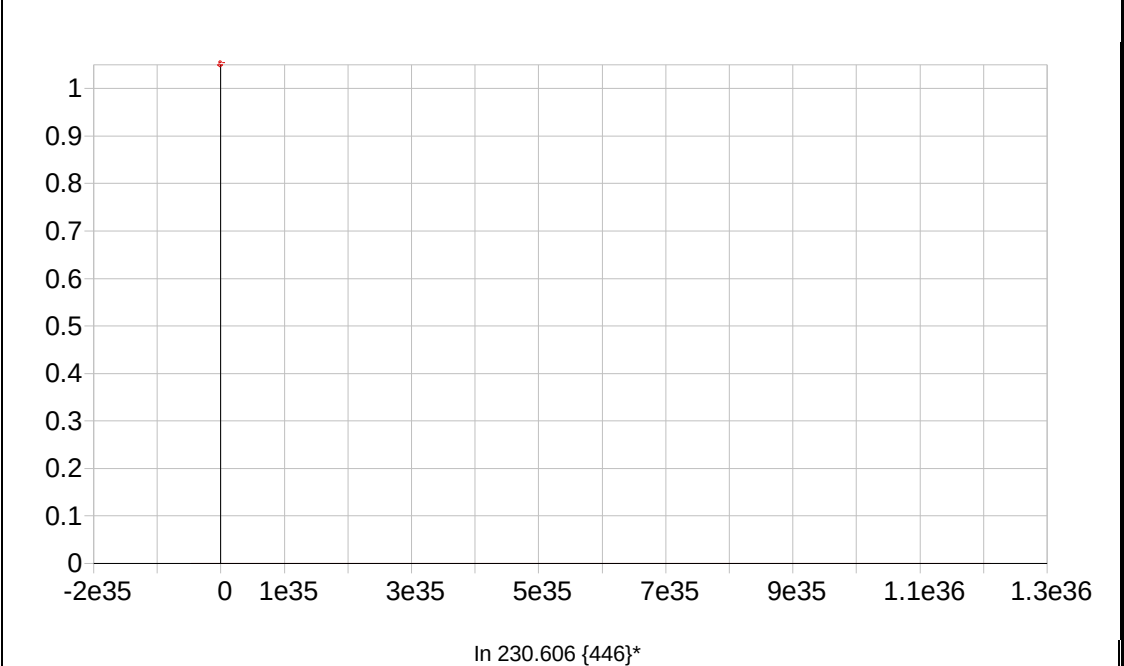




Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

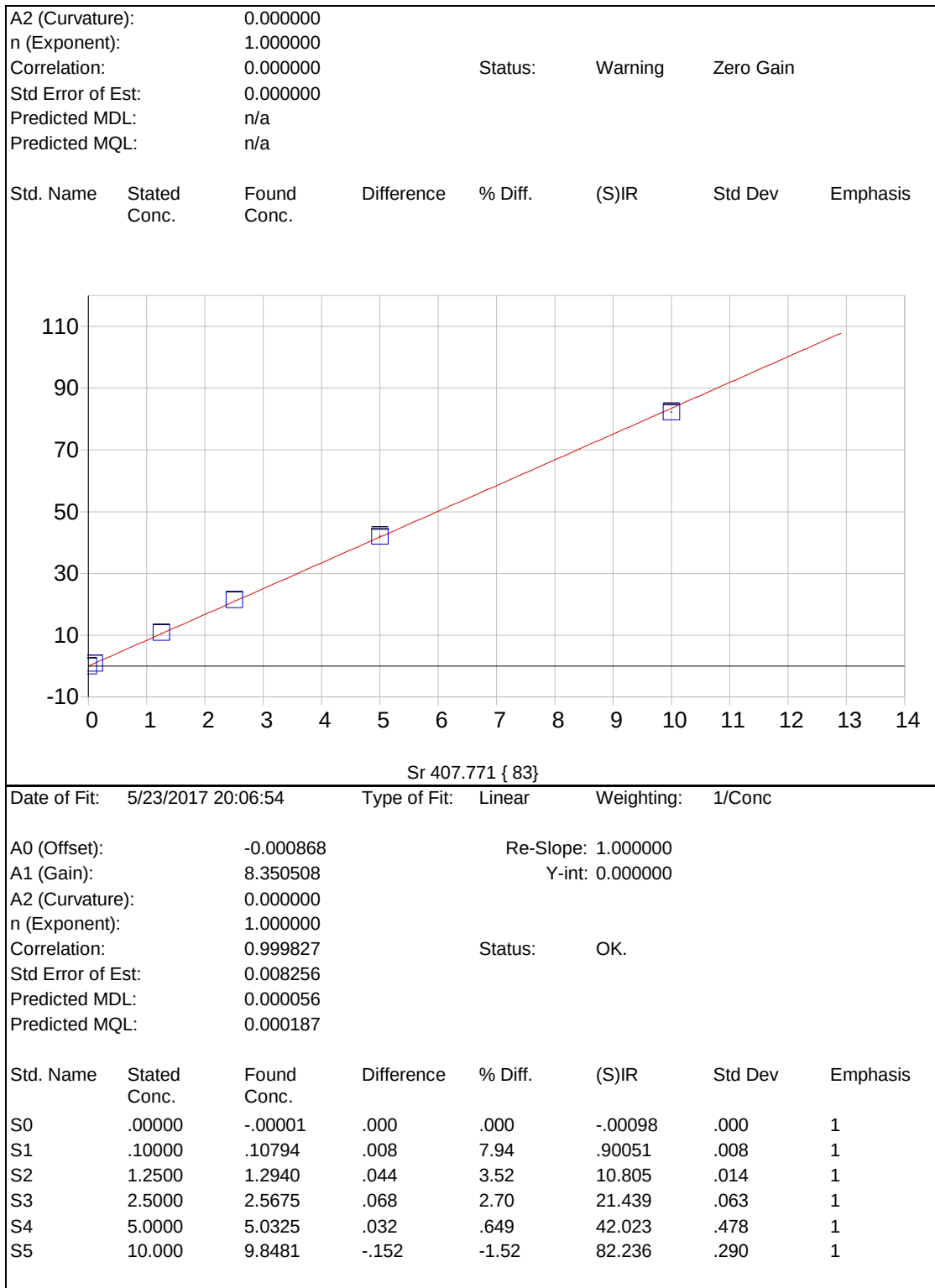
A0 (Offset): 0.000000      Re-Slope: 1.000000  
A1 (Gain): 0.000000      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.000000      Status: Warning      Zero Gain  
Std Error of Est: 0.000000  
Predicted MDL: n/a  
Predicted MQL: n/a

| 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: 5/23/2017 11:31:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.00020 | -.00015 | .00007 | .00018 | .00005 | -.00009 | -.06465 | -.00188 |
| Stddev | .00006  | .00006  | .00015 | .00003 | .00016 | .00031  | .00047  | .00009  |
| %RSD   | 30.442  | 35.838  | 226.42 | 16.065 | 343.20 | 353.12  | .72585  | 4.7873  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00013 | -.00022 | -.00006 | .00021 | .00022  | -.00043 | -.06455 | -.00195 |
| #2 | -.00025 | -.00011 | .00003  | .00016 | .00003  | .00000  | -.06423 | -.00178 |
| #3 | -.00023 | -.00014 | .00023  | .00018 | -.00011 | .00017  | -.06516 | -.00190 |

|        |        |        |         |         |        |        |         |         |
|--------|--------|--------|---------|---------|--------|--------|---------|---------|
| 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    | .00022 | .00202 | -.00001 | -.00036 | .00072 | .00017 | -.00010 | -.00016 |
| Stddev | .00017 | .00023 | .00001  | .00011  | .00027 | .00009 | .00015  | .00019  |
| %RSD   | 76.661 | 11.578 | 97.016  | 31.736  | 37.587 | 54.854 | 157.75  | 118.58  |

|    |        |        |         |         |        |        |         |         |
|----|--------|--------|---------|---------|--------|--------|---------|---------|
| #1 | .00017 | .00176 | -.00003 | -.00045 | .00099 | .00010 | .00006  | -.00022 |
| #2 | .00008 | .00221 | .00000  | -.00023 | .00045 | .00028 | -.00024 | -.00032 |
| #3 | .00041 | .00208 | -.00002 | -.00040 | .00071 | .00014 | -.00011 | .00005  |

|        |         |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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    | -.00057 | -.00037 | -.00221 | -.00007 | -.00040 | .02856  | -.00095 | .00253  |
| Stddev | .00011  | .00006  | .00046  | .00004  | .00017  | .00112  | .00005  | .00035  |
| %RSD   | 19.169  | 15.072  | 20.943  | 59.456  | 43.871  | 3.9240  | 5.7777  | 14.023  |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00048 | -.00043 | -.00168 | -.00008 | -.00060 | .02985 | -.00092 | .00288 |
| #2 | -.00069 | -.00035 | -.00253 | -.00002 | -.00030 | .02778 | -.00101 | .00217 |
| #3 | -.00054 | -.00033 | -.00241 | -.00010 | -.00029 | .02806 | -.00091 | .00252 |

|        |        |         |        |        |        |        |         |  |
|--------|--------|---------|--------|--------|--------|--------|---------|--|
| 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    | .00031 | .00093  | .00960 | .00009 | .00114 | .00576 | -.00098 |  |
| Stddev | .00001 | .00005  | .00053 | .00005 | .00017 | .00107 | .00021  |  |
| %RSD   | 4.5492 | 5.6873  | 5.5047 | 55.838 | 14.658 | 18.584 | 21.192  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00030 | .00087 | .00999 | .00013 | .00132 | .00467 | -.00078 |  |
| #2 | .00032 | .00097 | .00982 | .00003 | .00112 | .00579 | -.00096 |  |
| #3 | .00030 | .00094 | .00900 | .00011 | .00099 | .00681 | -.00119 |  |

Sample Name: S0      Acquired: 5/23/2017 11:31:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1809.8 | 2582.2 | 60416. | 5971.2 | 4088.7 |
| Stddev    | 10.5   | 4.9    | 328.   | 26.6   | 9.6    |
| %RSD      | .58270 | .18806 | .54264 | .44613 | .23438 |
| #1        | 1818.1 | 2579.5 | 60489. | 5966.9 | 4090.9 |
| #2        | 1797.9 | 2579.3 | 60058. | 5947.0 | 4078.2 |
| #3        | 1813.2 | 2587.8 | 60702. | 5999.7 | 4097.0 |

Sample Name: S1      Acquired: 5/23/2017 11:35:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .00021 | .00179 | .00144 | .00247 | .01189 | .01586 | .69342 | .02636 |
| Stddev | .00009 | .00007 | .00006 | .00019 | .00003 | .00063 | .00889 | .00030 |
| %RSD   | 41.321 | 3.7666 | 4.3325 | 7.5385 | .26126 | 3.9877 | 1.2817 | 1.1278 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00029 | .00172 | .00139 | .00262 | .01186 | .01560 | .70245 | .02670 |
| #2 | .00022 | .00183 | .00151 | .00254 | .01190 | .01540 | .69313 | .02618 |
| #3 | .00012 | .00183 | .00141 | .00227 | .01192 | .01658 | .68468 | .02619 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00767 | .17027 | .00125 | .02834 | .00498 | .00136 | .00376 | .02177 |
| Stddev | .00014 | .00189 | .00004 | .00015 | .00023 | .00007 | .00008 | .00030 |
| %RSD   | 1.8341 | 1.1092 | 3.1327 | .51874 | 4.7144 | 5.4137 | 2.1723 | 1.3746 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00770 | .17204 | .00121 | .02826 | .00514 | .00144 | .00386 | .02194 |
| #2 | .00779 | .16828 | .00126 | .02825 | .00508 | .00135 | .00371 | .02142 |
| #3 | .00751 | .17048 | .00129 | .02851 | .00471 | .00130 | .00372 | .02194 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| 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    | .02169 | .00126 | .02943 | .00328  | .00106 | .19659  | -.00033 | .00663  |
| Stddev | .00012 | .00003 | .00105 | .00005  | .00019 | .00063  | .00003  | .00041  |
| %RSD   | .55863 | 2.2739 | 3.5849 | 1.6720  | 17.458 | .32058  | 9.1717  | 6.1831  |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02170 | .00126 | .03064 | .00334 | .00109 | .19709 | -.00036 | .00704 |
| #2 | .02156 | .00128 | .02878 | .00323 | .00123 | .19588 | -.00030 | .00622 |
| #3 | .02181 | .00123 | .02885 | .00327 | .00086 | .19681 | -.00033 | .00664 |

|        |        |         |        |        |        |        |        |  |
|--------|--------|---------|--------|--------|--------|--------|--------|--|
| 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    | .00893 | .00312  | .05593 | .00077 | .03448 | .07872 | .90051 |  |
| Stddev | .00011 | .00009  | .00056 | .00010 | .00013 | .00138 | .00771 |  |
| %RSD   | 1.2105 | 2.7458  | 1.0097 | 13.348 | .37126 | 1.7590 | .85595 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00894 | .00315 | .05652 | .00066 | .03439 | .07998 | .90925 |  |
| #2 | .00881 | .00318 | .05586 | .00081 | .03462 | .07893 | .89468 |  |
| #3 | .00903 | .00302 | .05540 | .00085 | .03442 | .07724 | .89760 |  |

Sample Name: S1      Acquired: 5/23/2017 11:35:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1789.3 | 2551.9 | 59904. | 5969.2 | 3964.8 |
| Stddev    | 10.8   | 1.0    | 68.    | 54.4   | 3.7    |
| %RSD      | .60426 | .03851 | .11324 | .91173 | .09382 |
| #1        | 1801.2 | 2552.2 | 59966. | 5919.9 | 3960.6 |
| #2        | 1786.9 | 2552.7 | 59913. | 6027.6 | 3966.2 |
| #3        | 1780.0 | 2550.8 | 59831. | 5960.3 | 3967.6 |

Sample Name: S2      Acquired: 5/23/2017 11:39:50      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .04692 | .09975 | .86338 | .07522 | .24035 | 2.9528 | 9.2571 | .64002 |
| Stddev | .00022 | .00047 | .00083 | .00027 | .00075 | .0052  | .0098  | .00372 |
| %RSD   | .46241 | .46712 | .09634 | .36231 | .31031 | .17540 | .10607 | .58201 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04668 | .10009 | .86399 | .07518 | .24072 | 2.9482 | 9.2671 | .63743 |
| #2 | .04711 | .09922 | .86371 | .07551 | .24085 | 2.9584 | 9.2475 | .64429 |
| #3 | .04696 | .09995 | .86243 | .07497 | .23950 | 2.9519 | 9.2567 | .63834 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .90285 | 2.0404 | .44455 | .36540 | .62007 | .42713 | .85047 | .26561 |
| Stddev | .00041 | .0048  | .00176 | .00052 | .00207 | .00298 | .00444 | .00181 |
| %RSD   | .04491 | .23577 | .39691 | .14183 | .33394 | .69791 | .52215 | .68096 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .90309 | 2.0350 | .44571 | .36589 | .61892 | .42384 | .84560 | .26355 |
| #2 | .90238 | 2.0442 | .44252 | .36486 | .61884 | .42964 | .85429 | .26696 |
| #3 | .90309 | 2.0422 | .44542 | .36545 | .62246 | .42792 | .85151 | .26631 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .35225 | .04837 | .23146 | .03886 | .08947 | 1.2950 | .05131 | .47469 |
| Stddev | .00054 | .00016 | .00195 | .00046 | .00060 | .0061  | .00020 | .00046 |
| %RSD   | .15360 | .33586 | .84083 | 1.1806 | .66833 | .46873 | .39539 | .09767 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .35287 | .04848 | .22932 | .03913 | .08935 | 1.2892 | .05153 | .47472 |
| #2 | .35185 | .04818 | .23312 | .03913 | .08893 | 1.2945 | .05114 | .47421 |
| #3 | .35205 | .04844 | .23195 | .03833 | .09011 | 1.3013 | .05126 | .47513 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.0060 | .01169 | .61938 | .13368 | .40702 | 1.8435 | 10.805 |  |
| Stddev | .0029  | .00004 | .00107 | .00019 | .00061 | .0032  | .014   |  |
| %RSD   | .28442 | .30874 | .17208 | .13937 | .15033 | .17503 | .13147 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.0049 | .01171 | .61902 | .13362 | .40743 | 1.8401 | 10.797 |  |
| #2 | 1.0093 | .01165 | .61854 | .13388 | .40730 | 1.8465 | 10.821 |  |
| #3 | 1.0039 | .01171 | .62058 | .13352 | .40631 | 1.8440 | 10.796 |  |

Sample Name: S2      Acquired: 5/23/2017 11:39:50      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1670.6 | 2391.1 | 56560. | 5904.7 | 3374.5 |
| Stddev    | 7.6    | 7.3    | 187.   | 16.3   | 4.5    |
| %RSD      | .45719 | .30417 | .33001 | .27550 | .13270 |
| #1        | 1662.8 | 2391.5 | 56381. | 5905.9 | 3370.1 |
| #2        | 1678.1 | 2383.6 | 56753. | 5887.9 | 3374.3 |
| #3        | 1671.0 | 2398.1 | 56547. | 5920.4 | 3379.1 |



Sample Name: S3      Acquired: 5/23/2017 11:43:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .09425 | .19538 | 1.7165 | .14874 | .48151 | 5.9401 | 18.615 | 1.2847 |
| Stddev | .00006 | .00105 | .0031  | .00018 | .00163 | .0035  | .039   | .0086  |
| %RSD   | .06504 | .53823 | .17832 | .12372 | .33836 | .05917 | .20714 | .67201 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .09431 | .19546 | 1.7148 | .14892 | .48329 | 5.9427 | 18.655 | 1.2866 |
| #2 | .09419 | .19639 | 1.7200 | .14874 | .48008 | 5.9414 | 18.578 | 1.2753 |
| #3 | .09425 | .19429 | 1.7146 | .14855 | .48116 | 5.9361 | 18.612 | 1.2923 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.8146 | 4.0201 | .86317 | .73693 | 1.2375 | .83661 | 1.6663 | .53707 |
| Stddev | .0009  | .0067  | .00252 | .00095 | .0038  | .00126 | .0039  | .00073 |
| %RSD   | .04995 | .16585 | .29243 | .12917 | .30668 | .15081 | .23637 | .13551 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8141 | 4.0273 | .86082 | .73773 | 1.2404 | .83747 | 1.6704 | .53730 |
| #2 | 1.8156 | 4.0186 | .86284 | .73718 | 1.2332 | .83719 | 1.6626 | .53625 |
| #3 | 1.8139 | 4.0143 | .86584 | .73588 | 1.2390 | .83516 | 1.6657 | .53765 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .70412 | .09785 | .46857 | .07737 | .18247 | 2.6295 | .10751 | .94300 |
| Stddev | .00126 | .00054 | .00058 | .00013 | .00100 | .0119  | .00057 | .00390 |
| %RSD   | .17949 | .55159 | .12329 | .16818 | .54686 | .45107 | .53215 | .41400 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70359 | .09742 | .46901 | .07726 | .18310 | 2.6364 | .10742 | .94346 |
| #2 | .70556 | .09767 | .46792 | .07734 | .18298 | 2.6158 | .10812 | .93889 |
| #3 | .70321 | .09845 | .46880 | .07751 | .18132 | 2.6363 | .10699 | .94665 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.9782 | .01932 | 1.2059 | .26973 | .80644 | 3.7484 | 21.439 |  |
| Stddev | .0033  | .00007 | .0065  | .00113 | .00055 | .0163  | .063   |  |
| %RSD   | .16735 | .36964 | .53763 | .41828 | .06815 | .43432 | .29189 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.9801 | .01934 | 1.2103 | .26954 | .80583 | 3.7571 | 21.474 |  |
| #2 | 1.9744 | .01939 | 1.1985 | .27093 | .80657 | 3.7296 | 21.367 |  |
| #3 | 1.9801 | .01925 | 1.2089 | .26870 | .80690 | 3.7585 | 21.477 |  |

Sample Name: S3      Acquired: 5/23/2017 11:43:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1622.8 | 2304.0 | 55275. | 5794.7 | 3138.4 |
| Stddev    | 7.2    | 4.2    | 199.   | 15.7   | 7.7    |
| %RSD      | .44544 | .18375 | .36038 | .27113 | .24497 |
| #1        | 1618.7 | 2300.1 | 55319. | 5782.4 | 3132.0 |
| #2        | 1618.5 | 2308.5 | 55057. | 5812.4 | 3136.3 |
| #3        | 1631.1 | 2303.5 | 55448. | 5789.1 | 3146.9 |

Sample Name: S4      Acquired: 5/23/2017 11:47:34      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .18882 | .37606 | 3.3826 | .29279 | .96582 | 12.028 | 36.954 | 2.5590 |
| Stddev | .00076 | .00083 | .0082  | .00103 | .00181 | .021   | .023   | .0164  |
| %RSD   | .40133 | .22125 | .24302 | .35227 | .18732 | .17568 | .06105 | .64149 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18948 | .37615 | 3.3802 | .29377 | .96743 | 12.016 | 36.938 | 2.5683 |
| #2 | .18898 | .37684 | 3.3917 | .29288 | .96617 | 12.052 | 36.980 | 2.5400 |
| #3 | .18799 | .37518 | 3.3758 | .29171 | .96386 | 12.015 | 36.945 | 2.5686 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.5987 | 8.0075 | 1.6574 | 1.4704 | 2.4759 | 1.6398 | 3.2749 | 1.0899 |
| Stddev | .0057  | .0241  | .0124  | .0021  | .0076  | .0048  | .0115  | .0018  |
| %RSD   | .15865 | .30105 | .74807 | .14476 | .30676 | .29375 | .35249 | .16927 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5980 | 8.0276 | 1.6681 | 1.4699 | 2.4812 | 1.6371 | 3.2751 | 1.0900 |
| #2 | 3.6047 | 7.9808 | 1.6438 | 1.4727 | 2.4792 | 1.6454 | 3.2864 | 1.0916 |
| #3 | 3.5934 | 8.0141 | 1.6603 | 1.4686 | 2.4672 | 1.6370 | 3.2633 | 1.0880 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.3907 | .20084 | .94884 | .15197 | .37062 | 5.3339 | .22588 | 1.8340 |
| Stddev | .0037  | .00050 | .00257 | .00068 | .00432 | .0112  | .00058 | .0110  |
| %RSD   | .26739 | .25028 | .27040 | .44445 | 1.1668 | .21038 | .25603 | .59862 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3929 | .20137 | .94588 | .15124 | .37100 | 5.3322 | .22597 | 1.8394 |
| #2 | 1.3928 | .20037 | .95045 | .15258 | .37475 | 5.3458 | .22641 | 1.8214 |
| #3 | 1.3864 | .20078 | .95019 | .15208 | .36612 | 5.3235 | .22526 | 1.8413 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 3.8164 | .03714 | 2.3705 | .53767 | 1.5982 | 7.6151 | 42.023 |  |
| Stddev | .0111  | .00007 | .0096  | .00151 | .0023  | .0146  | .478   |  |
| %RSD   | .29174 | .18668 | .40665 | .28117 | .14407 | .19216 | 1.1380 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 3.8273 | .03708 | 2.3784 | .53775 | 1.5986 | 7.6248 | 42.204 |  |
| #2 | 3.8170 | .03722 | 2.3597 | .53915 | 1.6003 | 7.6223 | 42.384 |  |
| #3 | 3.8051 | .03713 | 2.3733 | .53613 | 1.5957 | 7.5983 | 41.480 |  |

Sample Name: S4      Acquired: 5/23/2017 11:47:34      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1535.0 | 2186.6 | 53005. | 5627.5 | 2853.3 |
| Stddev    | 17.5   | 4.6    | 113.   | 12.0   | 5.0    |
| %RSD      | 1.1429 | .21078 | .21378 | .21392 | .17525 |
| #1        | 1545.1 | 2182.8 | 52990. | 5623.4 | 2851.6 |
| #2        | 1514.7 | 2185.4 | 52900. | 5618.2 | 2849.3 |
| #3        | 1545.0 | 2191.7 | 53125. | 5641.1 | 2858.9 |

Sample Name: S5      Acquired: 5/23/2017 11:51:29      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .38980 | .71950 | 6.6167 | .59305 | 2.0128 | 24.614 | 72.382 | 5.1082 |
| Stddev | .00029 | .00209 | .0181  | .00089 | .0022  | .028   | .119   | .0346  |
| %RSD   | .07528 | .29022 | .27375 | .15046 | .10668 | .11345 | .16467 | .67738 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .38949 | .72190 | 6.6326 | .59396 | 2.0133 | 24.595 | 72.474 | 5.0933 |
| #2 | .38982 | .71813 | 6.6204 | .59218 | 2.0104 | 24.646 | 72.425 | 5.1478 |
| #3 | .39008 | .71847 | 6.5970 | .59301 | 2.0146 | 24.601 | 72.247 | 5.0836 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.0141 | 15.936 | 3.1245 | 2.9035 | 5.0245 | 3.1851 | 6.3922 | 2.1821 |
| Stddev | .0171  | .077   | .0069  | .0059  | .0068  | .0155  | .0420  | .0104  |
| %RSD   | .24385 | .48164 | .22180 | .20185 | .13477 | .48552 | .65764 | .47481 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.0289 | 15.906 | 3.1195 | 2.9094 | 5.0202 | 3.1776 | 6.3700 | 2.1788 |
| #2 | 7.0181 | 16.024 | 3.1325 | 2.9035 | 5.0323 | 3.2028 | 6.4407 | 2.1937 |
| #3 | 6.9954 | 15.880 | 3.1216 | 2.8977 | 5.0210 | 3.1747 | 6.3660 | 2.1738 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.7051 | .41996 | 1.9314 | .29923 | .77001 | 10.921 | .47148 | 3.4990 |
| Stddev | .0078  | .00056 | .0042  | .00094 | .00326 | .012   | .00114 | .0150  |
| %RSD   | .28893 | .13447 | .21760 | .31506 | .42301 | .10758 | .24285 | .42799 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.7127 | .42016 | 1.9316 | .29867 | .76636 | 10.909 | .47253 | 3.4923 |
| #2 | 2.7054 | .42040 | 1.9355 | .30031 | .77261 | 10.922 | .47166 | 3.5162 |
| #3 | 2.6971 | .41932 | 1.9271 | .29870 | .77107 | 10.933 | .47026 | 3.4886 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 7.4461 | .07284 | 4.6727 | 1.0521 | 3.1813 | 15.755 | 82.236 |  |
| Stddev | .0089  | .00019 | .0067  | .0027  | .0111  | .025   | .290   |  |
| %RSD   | .11960 | .25482 | .14452 | .25714 | .34920 | .15725 | .35261 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 7.4561 | .07291 | 4.6707 | 1.0545 | 3.1721 | 15.760 | 82.084 |  |
| #2 | 7.4390 | .07298 | 4.6802 | 1.0525 | 3.1937 | 15.728 | 82.052 |  |
| #3 | 7.4432 | .07263 | 4.6671 | 1.0492 | 3.1782 | 15.776 | 82.570 |  |

Sample Name: S5      Acquired: 5/23/2017 11:51:29      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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       | 1386.5 | 1976.0 | 50132. | 5426.5 | 2509.0 |
| Stddev    | 8.4    | 4.2    | 179.   | 17.7   | 3.5    |
| %RSD      | .60732 | .21371 | .35803 | .32585 | .14119 |
| #1        | 1388.7 | 1976.1 | 50332. | 5438.9 | 2506.7 |
| #2        | 1393.5 | 1980.2 | 50078. | 5406.2 | 2513.1 |
| #3        | 1377.1 | 1971.8 | 49985. | 5434.2 | 2507.2 |

Sample Name: S6      Acquired: 5/23/2017 11:55:34      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 65.381 | 26.160 | 8.2825 | 3.5528 | 5.3470 |
| Stddev | 1.202  | .123   | .0718  | .0272  | .0301  |
| %RSD   | 1.8382 | .46914 | .86674 | .76637 | .56376 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 66.600 | 26.296 | 8.3649 | 3.5842 | 5.3818 |
| #2 | 65.345 | 26.057 | 8.2331 | 3.5351 | 5.3296 |
| #3 | 64.197 | 26.127 | 8.2497 | 3.5392 | 5.3296 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 5129.9 |
| Stddev    | 44.2   |
| %RSD      | .86240 |

|    |        |
|----|--------|
| #1 | 5078.9 |
| #2 | 5152.2 |
| #3 | 5158.5 |

Sample Name: ICV      Acquired: 5/23/2017 11:59:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .9494782 | 1.110963 | .9881850 | .9826554 | .9597750 | 2.429509 |
| Stddev | .0015288 | .001926  | .0064954 | .0009090 | .0016371 | .002973  |
| %RSD   | .1610174 | .1733888 | .6573084 | .0925054 | .1705695 | .1223594 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9512352 | 1.112068 | .9956601 | .9820308 | .9594473 | 2.430113 |
| #2 | .9487476 | 1.108738 | .9839154 | .9836982 | .9583265 | 2.432133 |
| #3 | .9484517 | 1.112081 | .9849796 | .9822370 | .9615511 | 2.426280 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5077128 | .5086024 | .4718917 | 10.24012 | .5359659 | .4778705 |
| Stddev | .0016158 | .0029881 | .0015853 | .02009   | .0022848 | .0011512 |
| %RSD   | .3182582 | .5875176 | .3359505 | .1962249 | .4262945 | .2409032 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5058489 | .5117578 | .4736209 | 10.26186 | .5352728 | .4791646 |
| #2 | .5087168 | .5082336 | .4705068 | 10.23628 | .5341078 | .4774863 |
| #3 | .5085728 | .5058158 | .4715473 | 10.22223 | .5385169 | .4769605 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5159229 | 5.411896 | .5380160 | 6.048303 | .4847885 | .4595288 |
| Stddev | .0022370 | .038388  | .0071052 | .038340  | .0013009 | .0028933 |
| %RSD   | .4335914 | .7093291 | 1.320637 | .6338929 | .2683356 | .6296314 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5134378 | 5.447686 | .5457759 | 6.054333 | .4859295 | .4593394 |
| #2 | .5165551 | 5.371352 | .5318291 | 6.007305 | .4833719 | .4567349 |
| #3 | .5177757 | 5.416650 | .5364430 | 6.083270 | .4850642 | .4625122 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.651414 | .5421415 | .9324611 | 9.468147 | F -.008906 | F -.009794 |
| Stddev | .011511  | .0053043 | .0186001 | .035481  | .000886    | .001091    |
| %RSD   | .1192663 | .9783947 | 1.994733 | .3747446 | 9.948530   | 11.14265   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.657644 | .5423848 | .9112062 | 9.464406 | -.008883 | -.009607 |
| #2 | 9.638131 | .5367198 | .9457603 | 9.434684 | -.009804 | -.008809 |
| #3 | 9.658467 | .5473200 | .9404166 | 9.505351 | -.008032 | -.010967 |



Sample Name: ICV      Acquired: 5/23/2017 11:59:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | F -.000370 | .0083064 | -.007580 | F -.000523 | .0003522 | .0015222 |
| Stddev | .000132    | .0049924 | .001120  | .000353    | .0004636 | .0002515 |
| %RSD   | 35.75649   | 60.10287 | 14.77683 | 67.46774   | 131.6121 | 16.52227 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000362 | .0025822 | -.006451 | -.000137 | -.000173 | .0012337 |
| #2 | -.000506 | .0105776 | -.007598 | -.000605 | .000705  | .0016950 |
| #3 | -.000242 | .0117593 | -.008691 | -.000828 | .000524  | .0016379 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0120684 |
| Stddev | .0001011 |
| %RSD   | .8380871 |

|    |          |
|----|----------|
| #1 | .0121298 |
| #2 | .0119516 |
| #3 | .0121237 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1736.908 | 2487.391 | 58708.76 | 5722.735 | 3784.567 |
| Stddev    | 17.670   | 10.458   | 340.60   | 25.094   | 22.796   |
| %RSD      | 1.017302 | .4204247 | .5801464 | .4384892 | .6023508 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1746.137 | 2475.593 | 58736.81 | 5694.054 | 3758.619 |
| #2 | 1748.053 | 2491.058 | 59034.47 | 5733.507 | 3793.704 |
| #3 | 1716.535 | 2495.521 | 58355.01 | 5740.644 | 3801.378 |

Sample Name: ICB      Acquired: 5/23/2017 12:03:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.000844 | -.000503 | -.000441 | -.000433 | -.000999 | .0088743 | -.002955 |
| Stddev | .001914  | .000265  | .000676  | .000556  | .001274  | .0028035 | .000315  |
| %RSD   | 226.8560 | 52.79698 | 153.3681 | 128.4437 | 127.5342 | 31.59099 | 10.66795 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001421 | -.000526 | .000223  | .000208  | .000463  | .0102661 | -.002592 |
| #2 | -.002403 | -.000756 | -.001128 | -.000783 | -.001589 | .0056473 | -.003151 |
| #3 | .001293  | -.000226 | -.000417 | -.000724 | -.001870 | .0107096 | -.003122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000088 | -.000078 | -.033887 | .0002296 | .0001760 | .0005631 | -.001682 |
| Stddev | .0000502 | .000077  | .007023  | .0000684 | .0002031 | .0005641 | .003457  |
| %RSD   | 571.3636 | 99.56676 | 20.72369 | 29.81152 | 115.4215 | 100.1841 | 205.5867 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000550 | -.000110 | -.041606 | .0001947 | .0002821 | -.000081 | -.000473 |
| #2 | -.000045 | -.000134 | -.027877 | .0003085 | -.000058 | .000801  | -.005581 |
| #3 | .000016  | .000011  | -.032176 | .0001857 | .000304  | .000969  | .001009  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003868 | -.029007 | .0000307 | .0006299 | -.292337 | .0020610 | .0093409 |
| Stddev | .0004412 | .043860  | .0001754 | .0002875 | .048049  | .0053986 | .0146623 |
| %RSD   | 114.0641 | 151.2065 | 571.2921 | 45.64610 | 16.43622 | 261.9391 | 156.9687 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006701 | .016723  | .0001083 | .0005197 | -.316858 | -.004102 | -.007424 |
| #2 | .0006119 | -.070721 | .0001539 | .0009562 | -.323178 | .004333  | .019768  |
| #3 | -.000122 | -.033023 | -.000170 | .0004138 | -.236974 | .005952  | .015679  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0225661 | -.001361 | .0004390 | .0000836 | .0078876 | -.011074 | -.000765 |
| Stddev | .0107718 | .000222  | .0010287 | .0001029 | .0054342 | .000396  | .000874  |
| %RSD   | 47.73419 | 16.27364 | 234.3229 | 123.0232 | 68.89504 | 3.574643 | 114.1648 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0163632 | -.001557 | .0016223 | .0000164 | .0140745 | -.011503 | .000165  |
| #2 | .0350042 | -.001121 | -.000242 | .0002021 | .0038876 | -.010723 | -.001568 |
| #3 | .0163309 | -.001406 | -.000063 | .0000324 | .0057007 | -.010996 | -.000893 |

Sample Name: ICB      Acquired: 5/23/2017 12:03:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0005325 | .0007498 | -.000118 |
| Stddev | .0005185 | .0006607 | .000023  |
| %RSD   | 97.36361 | 88.11594 | 19.91192 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0001721 | .0006893 | -.000091 |
| #2 | .0011268 | .0001214 | -.000136 |
| #3 | .0002987 | .0014386 | -.000127 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1777.731 | 2543.803 | 60141.12 | 5735.400 | 4028.666 |
| Stddev    | 13.739   | 4.169    | 153.52   | 29.287   | 3.509    |
| %RSD      | .7728130 | .1638837 | .2552687 | .5106399 | .0870929 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1763.482 | 2548.617 | 60065.91 | 5755.520 | 4025.912 |
| #2 | 1778.815 | 2541.401 | 60039.70 | 5701.800 | 4032.616 |
| #3 | 1790.895 | 2541.391 | 60317.74 | 5748.880 | 4027.469 |

Sample Name: ICSA      Acquired: 5/23/2017 12:08:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.001931 | -.011777 | -.002904 | -.025959 | .0033388 | 247.4637 |
| Stddev | .007445  | .001717  | .002814  | .000815  | .0003341 | .9642    |
| %RSD   | 385.5872 | 14.57549 | 96.90004 | 3.137772 | 10.00769 | .3896152 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.003549 | -.013338 | -.005602 | -.025200 | .0031248 | 246.3505 |
| #2 | -.008434 | -.012054 | -.003124 | -.026820 | .0037238 | 248.0370 |
| #3 | .006190  | -.009938 | .000013  | -.025857 | .0031678 | 248.0035 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028537 | .0020636 | .0057245 | 248.3724 | .0492196 | .0041023 |
| Stddev | .0004021 | .0001344 | .0000570 | 2.4389   | .0006156 | .0001524 |
| %RSD   | 14.09015 | 6.514695 | .9955049 | .9819659 | 1.250762 | 3.714040 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0025490 | .0020067 | .0057174 | 245.5582 | .0488624 | .0041785 |
| #2 | .0027028 | .0019670 | .0057848 | 249.8715 | .0488659 | .0039269 |
| #3 | .0033095 | .0022171 | .0056715 | 249.6876 | .0499304 | .0042015 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0229862 | 104.3394 | .0147764 | 269.7606 | .0021521 | -.003463 |
| Stddev | .0005429 | 1.1102   | .0006348 | 1.8568   | .0003921 | .000334  |
| %RSD   | 2.361819 | 1.064007 | 4.296139 | .6883070 | 18.21852 | 9.636430 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0235718 | 103.0575 | .0151524 | 267.6598 | .0019458 | -.003083 |
| #2 | .0228870 | 104.9824 | .0151334 | 271.1818 | .0026043 | -.003597 |
| #3 | .0224997 | 104.9783 | .0140435 | 270.4403 | .0019063 | -.003708 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0748119 | .0009389 | .0336163 | -.051196 | -.013533 | F -.291537 |
| Stddev | .0495632 | .0038739 | .0093370 | .011817  | .003932  | .001238    |
| %RSD   | 66.25046 | 412.5951 | 27.77522 | 23.08192 | 29.05127 | .4246363   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1160006 | .0018959 | .0275504 | -.044315 | -.009091 | -.292222 |
| #2 | .0886288 | .0042447 | .0289301 | -.064841 | -.016565 | -.290108 |
| #3 | .0198063 | -.003324 | .0443682 | -.044432 | -.014943 | -.292282 |

Sample Name: ICSA      Acquired: 5/23/2017 12:08:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0025554 | .0747396 | -.013405 | -.000377 | .0020275 | .0082847 |
| Stddev | .0003197 | .0187048 | .000645  | .000564  | .0004146 | .0004074 |
| %RSD   | 12.51191 | 25.02668 | 4.812515 | 149.5878 | 20.44921 | 4.916871 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0028635 | .0540310 | -.013234 | .000053  | .0016654 | .0078486 |
| #2 | .0025775 | .0904078 | -.012864 | -.001015 | .0024798 | .0086554 |
| #3 | .0022252 | .0797800 | -.014119 | -.000169 | .0019373 | .0083500 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1068237 |
| Stddev | .0001015 |
| %RSD   | .0950118 |

|    |          |
|----|----------|
| #1 | .1067399 |
| #2 | .1069366 |
| #3 | .1067947 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1559.937 | 2251.341 | 53324.75 | 5458.375 | 2993.880 |
| Stddev    | 3.256    | 4.569    | 151.57   | 19.247   | 5.234    |
| %RSD      | .2087465 | .2029557 | .2842482 | .3526214 | .1748120 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1556.195 | 2246.171 | 53445.85 | 5480.515 | 2989.403 |
| #2 | 1562.126 | 2253.016 | 53373.63 | 5448.990 | 2992.604 |
| #3 | 1561.491 | 2254.836 | 53154.76 | 5445.621 | 2999.634 |

Sample Name: ICSAB      Acquired: 5/23/2017 12:12:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0908415 | .1048929 | .0452613 | .0252678 | .5790558 | 248.1491 |
| Stddev | .0030903 | .0051928 | .0017347 | .0022188 | .0033406 | .4933    |
| %RSD   | 3.401897 | 4.950604 | 3.832663 | 8.780966 | .5769095 | .1987876 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0888518 | .0992773 | .0451710 | .0237499 | .5754562 | 248.7185 |
| #2 | .0892710 | .1095213 | .0470395 | .0278142 | .5796548 | 247.8504 |
| #3 | .0944017 | .1058800 | .0435736 | .0242394 | .5820564 | 247.8784 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5161695 | .5255366 | 1.008876 | 252.6959 | .5666915 | .5078928 |
| Stddev | .0022246 | .0050108 | .009455  | .6378    | .0012245 | .0026996 |
| %RSD   | .4309920 | .9534557 | .9371910 | .2523825 | .2160801 | .5315256 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5186370 | .5275421 | 1.002427 | 252.6221 | .5668876 | .5062675 |
| #2 | .5155545 | .5198337 | 1.004470 | 253.3673 | .5653807 | .5064020 |
| #3 | .5143171 | .5292340 | 1.019730 | 252.0982 | .5678061 | .5110091 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5456676 | 105.1206 | .5540542 | 271.4861 | .9977762 | .1831861 |
| Stddev | .0021350 | .2138    | .0023484 | .5156    | .0080089 | .0006177 |
| %RSD   | .3912563 | .2033725 | .4238501 | .1899194 | .8026711 | .3372088 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5477516 | 105.0068 | .5513878 | 271.8709 | .9926984 | .1832356 |
| #2 | .5434851 | 104.9878 | .5558145 | 270.9003 | .9936215 | .1837776 |
| #3 | .5457660 | 105.3672 | .5549604 | 271.6872 | 1.007009 | .1825451 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4334289 | .5238530 | 1.005214 | -.141569 | -.021310 | F .6827577 |
| Stddev | .0837878 | .0028641 | .021948  | .028668  | .001276  | .0058379   |
| %RSD   | 19.33137 | .5467348 | 2.183431 | 20.24997 | 5.986256 | .8550522   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3550676 | .5232884 | 1.003234 | -.108598 | -.019880 | .6883620 |
| #2 | .5217524 | .5213132 | .984323  | -.160607 | -.022331 | .6767113 |
| #3 | .4234668 | .5269573 | 1.028086 | -.155503 | -.021719 | .6831998 |

Sample Name: ICSAB      Acquired: 5/23/2017 12:12:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | <span style="color: red;">F</span> .8221534 | .0494682 | .8453749 | <span style="color: red;">F</span> .8405576 | .8859494 | .6454876 |
| Stddev | .0040044                                    | .0118481 | .0049402 | .0055196                                    | .0032437 | .0034252 |
| %RSD   | .4870644                                    | 23.95084 | .5843792 | .6566587                                    | .3661253 | .5306346 |
|        |                                             |          |          |                                             |          |          |
| #1     | .8182942                                    | .0430358 | .8444634 | .8397987                                    | .8873842 | .6483350 |
| #2     | .8218773                                    | .0422276 | .8409539 | .8354567                                    | .8822358 | .6416867 |
| #3     | .8262888                                    | .0631412 | .8507074 | .8464174                                    | .8882283 | .6464410 |

| Elem   | Sr4077   |
|--------|----------|
| Units  | ppm      |
| Avg    | .7544528 |
| Stddev | .0010055 |
| %RSD   | .1332791 |
|        |          |
| #1     | .7546547 |
| #2     | .7533616 |
| #3     | .7553420 |

| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
|-----------|----------|----------|----------|----------|----------|
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1563.253 | 2244.309 | 53183.67 | 5402.407 | 2975.191 |
| Stddev    | 10.707   | 6.525    | 93.65    | 20.936   | 10.698   |
| %RSD      | .6849021 | .2907163 | .1760824 | .3875383 | .3595710 |
|           |          |          |          |          |          |
| #1        | 1560.392 | 2241.818 | 53159.05 | 5384.253 | 2973.040 |
| #2        | 1554.267 | 2251.712 | 53104.79 | 5425.310 | 2986.800 |
| #3        | 1575.100 | 2239.396 | 53287.16 | 5397.657 | 2965.731 |

Sample Name: CCV033      Acquired: 5/23/2017 12:16:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.857758 | 4.775333 | 24.14071 | 4.731942 | 4.875628 | 402.0134 |
| Stddev | .015613  | .026925  | .07890   | .006695  | .017265  | .0474    |
| %RSD   | .3214000 | .5638304 | .3268409 | .1414829 | .3541180 | .0117900 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.841771 | 4.802529 | 24.20712 | 4.730940 | 4.856059 | 402.0140 |
| #2 | 4.858535 | 4.748688 | 24.05349 | 4.725804 | 4.888716 | 402.0605 |
| #3 | 4.872968 | 4.774782 | 24.16151 | 4.739081 | 4.882107 | 401.9657 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.12398 | .5232481 | 2.509416 | 405.3139 | 15.05041 | 2.502597 |
| Stddev | .02920   | .0025503 | .010589  | 1.0423   | .09536   | .010837  |
| %RSD   | .2884723 | .4874018 | .4219510 | .2571474 | .6336006 | .4330217 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.15101 | .5203780 | 2.517827 | 405.5186 | 15.00703 | 2.512772 |
| #2 | 10.12794 | .5252540 | 2.497525 | 404.1845 | 15.15974 | 2.491202 |
| #3 | 10.09300 | .5241124 | 2.512894 | 406.2386 | 14.98445 | 2.503818 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.53270 | 416.2841 | 15.58338 | 423.1789 | 2.441814 | 1.249629 |
| Stddev | .05039   | 1.7348   | .10166   | 1.7690   | .008410  | .003680  |
| %RSD   | .3244138 | .4167343 | .6523863 | .4180238 | .3444063 | .2944571 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.59028 | 416.2433 | 15.61425 | 423.8082 | 2.450215 | 1.245487 |
| #2 | 15.51111 | 414.5700 | 15.46986 | 421.1813 | 2.433396 | 1.252519 |
| #3 | 15.49669 | 418.0389 | 15.66602 | 424.5471 | 2.441831 | 1.250883 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 406.9757 | 2.525419 | 15.00832 | 159.1769 | 5.088018 | F 4.366919 |
| Stddev | .5488    | .001992  | .10467   | .2164    | .023493  | .019270    |
| %RSD   | .1348604 | .0788666 | .6973832 | .1359285 | .4617322 | .4412678   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 407.0949 | 2.524960 | 15.10245 | 159.4261 | 5.108580 | 4.356169 |
| #2 | 406.3771 | 2.523698 | 14.89561 | 159.0682 | 5.062413 | 4.355423 |
| #3 | 407.4552 | 2.527601 | 15.02690 | 159.0364 | 5.093059 | 4.389166 |



Sample Name: CCV033      Acquired: 5/23/2017 12:16:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.720276 | 4.836545 | 5.238196 | 4.893534 | 5.139175 | 5.229409 |
| Stddev | .008837  | .021001  | .014041  | .016847  | .001426  | .019289  |
| %RSD   | .1872088 | .4342083 | .2680530 | .3442681 | .0277392 | .3688533 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.711375 | 4.852630 | 5.222853 | 4.907554 | 5.138860 | 5.247716 |
| #2 | 4.720405 | 4.812787 | 5.241328 | 4.874845 | 5.137933 | 5.231242 |
| #3 | 4.729047 | 4.844219 | 5.250407 | 4.898202 | 5.140732 | 5.209269 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.186969 |
| Stddev | .008532  |
| %RSD   | .1644865 |

|    |          |
|----|----------|
| #1 | 5.193680 |
| #2 | 5.177367 |
| #3 | 5.189861 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1409.533 | 2044.281 | 49623.07 | 5154.850 | 2551.522 |
| Stddev    | 13.710   | 1.449    | 166.06   | 13.871   | 8.279    |
| %RSD      | .9726837 | .0708981 | .3346424 | .2690909 | .3244684 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1398.807 | 2044.794 | 49447.89 | 5149.134 | 2543.131 |
| #2 | 1424.980 | 2045.404 | 49643.12 | 5170.666 | 2559.684 |
| #3 | 1404.812 | 2042.645 | 49778.19 | 5144.750 | 2551.749 |

Sample Name: CCB033      Acquired: 5/23/2017 12:19:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0016526 | -.001097 | -.001026 | -.000718 | -.001013 | .0135874 | -.003518 |
| Stddev | .0044415 | .000641  | .000421  | .001428  | .001047  | .0006778 | .000520  |
| %RSD   | 268.7596 | 58.46602 | 40.97826 | 198.8785 | 103.3272 | 4.988416 | 14.78832 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067676 | -.000988 | -.000660 | -.001274 | -.001578 | .0137362 | -.002982 |
| #2 | -.000581 | -.001785 | -.001486 | -.001785 | -.001657 | .0141785 | -.004021 |
| #3 | -.001228 | -.000517 | -.000933 | .000904  | .000195  | .0128476 | -.003551 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000200 | -.000141 | -.025752 | .0005456 | -.000008 | .0013947 | -.001311 |
| Stddev | .0000839 | .000072  | .006509  | .0001848 | .000215  | .0005791 | .013242  |
| %RSD   | 420.5436 | 51.10674 | 25.27605 | 33.86992 | 2556.043 | 41.51835 | 1009.696 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000057 | -.000161 | -.018236 | .0007521 | -.000132 | .0009784 | .006067  |
| #2 | .000110  | -.000061 | -.029521 | .0004891 | -.000134 | .0020560 | -.016599 |
| #3 | .000007  | -.000201 | -.029499 | .0003957 | .000240  | .0011498 | .006597  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000825 | .0435258 | -.000239 | .0003189 | -.242512 | .0004496 | -.010602 |
| Stddev | .0003072 | .0270209 | .000155  | .0006722 | .049015  | .0056777 | .016020  |
| %RSD   | 372.1107 | 62.08020 | 65.00684 | 210.7572 | 20.21154 | 1262.772 | 151.1047 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002611 | .0495491 | -.000365 | .0010947 | -.189195 | -.000553 | -.002998 |
| #2 | .0002586 | .0140015 | -.000285 | -.000092 | -.285616 | -.004660 | .000200  |
| #3 | -.000272 | .0670268 | -.000066 | -.000046 | -.252724 | .006562  | -.029008 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0270914 | -.001863 | .0047119 | .0002120 | -.008456 | -.009370 | -.000342 |
| Stddev | .0184631 | .000945  | .0000993 | .0003592 | .006694  | .000865  | .001241  |
| %RSD   | 68.15112 | 50.71604 | 2.106788 | 169.4611 | 79.16537 | 9.229500 | 362.3152 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0465642 | -.002753 | .0047473 | .0004972 | -.012869 | -.010263 | -.001462 |
| #2 | .0248711 | -.001965 | .0047885 | -.000191 | -.000753 | -.008536 | -.000557 |
| #3 | .0098388 | -.000871 | .0045997 | .000330  | -.011745 | -.009313 | .000992  |

Sample Name: CCB033      Acquired: 5/23/2017 12:19:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0002605 | .0009952 | .0000292 |
| Stddev | .0011892 | .0005194 | .0000330 |
| %RSD   | 456.4767 | 52.18354 | 112.9888 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006836 | .0014591 | .0000635 |
| #2 | -.001082 | .0004342 | -.000002 |
| #3 | .001180  | .0010925 | .000026  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1754.773 | 2513.291 | 59270.37 | 5566.113 | 3984.785 |
| Stddev    | 19.135   | 5.757    | 600.13   | 45.730   | 13.490   |
| %RSD      | 1.090481 | .2290436 | 1.012535 | .8215721 | .3385279 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1740.237 | 2507.442 | 58893.78 | 5596.670 | 3969.266 |
| #2 | 1747.629 | 2513.478 | 58954.88 | 5513.540 | 3993.704 |
| #3 | 1776.452 | 2518.951 | 59962.44 | 5588.130 | 3991.385 |

Sample Name: PB99162BL      Acquired: 5/23/2017 12:26:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.002086 | .0000947 | -.000412 | .0022593 | -.001034 | .0104258 | -.003992 |
| Stddev | .002046  | .0004278 | .001653  | .0036146 | .000247  | .0032347 | .000209  |
| %RSD   | 98.10217 | 451.8412 | 400.9316 | 159.9864 | 23.91408 | 31.02572 | 5.230605 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003329 | .0005653 | -.001990 | .0016037 | -.000905 | .0073387 | -.003818 |
| #2 | -.003205 | -.000271 | -.000555 | -.000983 | -.001319 | .0101485 | -.003935 |
| #3 | .000276  | -.000010 | .001307  | .006157  | -.000878 | .0137903 | -.004223 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000062 | -.000127 | -.021204 | .0001286 | .0000206 | .0014404 | -.010462 |
| Stddev | .000017  | .000055  | .006889  | .0002650 | .0002789 | .0010143 | .002369  |
| %RSD   | 26.94918 | 43.41695 | 32.48788 | 206.0451 | 1352.735 | 70.41783 | 22.64937 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000055 | -.000078 | -.018566 | .0002516 | -.000217 | .0003294 | -.012767 |
| #2 | -.000049 | -.000116 | -.016024 | .0003097 | -.000049 | .0016749 | -.008033 |
| #3 | -.000080 | -.000186 | -.029022 | -.000176 | .000328  | .0023169 | -.010585 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008021 | -.026826 | .0000182 | .0004016 | -.155276 | .0009413 | -.011513 |
| Stddev | .0009140 | .021367  | .0002098 | .0001552 | .048438  | .0014234 | .007883  |
| %RSD   | 113.9482 | 79.65095 | 1150.448 | 38.64074 | 31.19486 | 151.2184 | 68.47216 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011526 | -.024227 | .0002601 | .0002532 | -.165973 | .0013453 | -.014772 |
| #2 | .0014890 | -.049373 | -.000114 | .0005628 | -.102383 | -.000640 | -.002523 |
| #3 | -.000235 | -.006877 | -.000092 | .0003887 | -.197471 | .002119  | -.017245 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.028825 | -.002752 | -.000218 | .0000594 | -.006912 | -.009119 | -.000916 |
| Stddev | .021100  | .001992  | .000812  | .0001020 | .004482  | .000628  | .000991  |
| %RSD   | 73.20020 | 72.39859 | 373.0661 | 171.6860 | 64.84528 | 6.889369 | 108.1994 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.025629 | -.004640 | .000586  | .0000564 | -.010500 | -.009188 | -.000751 |
| #2 | -.009506 | -.002945 | -.000203 | .0001628 | -.008348 | -.008459 | -.001978 |
| #3 | -.051341 | -.000670 | -.001037 | -.000041 | -.001888 | -.009710 | -.000017 |

Sample Name: PB99162BL      Acquired: 5/23/2017 12:26:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0002523 | -.000331 | -.000068 |
| Stddev | .0003299 | .000571  | .000028  |
| %RSD   | 130.7449 | 172.3258 | 40.62206 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0003332 | .000288  | -.000051 |
| #2 | -.000110 | -.000836 | -.000100 |
| #3 | .000534  | -.000445 | -.000053 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1734.547 | 2495.998 | 59190.91 | 5587.737 | 3967.465 |
| Stddev    | 10.140   | 4.425    | 113.26   | 14.104   | 7.407    |
| %RSD      | .5846116 | .1772740 | .1913436 | .2524052 | .1866945 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1746.155 | 2494.337 | 59119.56 | 5598.680 | 3972.338 |
| #2 | 1727.411 | 2492.644 | 59131.67 | 5592.710 | 3958.941 |
| #3 | 1730.076 | 2501.013 | 59321.50 | 5571.820 | 3971.116 |

Sample Name: PB99162BS      Acquired: 5/23/2017 12:30:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0162100 | .0511572 | .0190534 | .0663514 | .1114331 | .3842290 |
| Stddev | .0007728 | .0003473 | .0011191 | .0009938 | .0009488 | .0034507 |
| %RSD   | 4.767113 | .6788537 | 5.873470 | 1.497768 | .8514622 | .8980876 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0157274 | .0508006 | .0182445 | .0655150 | .1104008 | .3855405 |
| #2 | .0171013 | .0514944 | .0203306 | .0674500 | .1122671 | .3868316 |
| #3 | .0158014 | .0511767 | .0185852 | .0660891 | .1116314 | .3803148 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3879632 | .0097953 | .0090593 | 9.568532 | .0224498 | .0903351 |
| Stddev | .0006362 | .0001092 | .0000694 | .040812  | .0002347 | .0003055 |
| %RSD   | .1639770 | 1.114806 | .7663277 | .4265212 | 1.045547 | .3381504 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3872396 | .0098350 | .0090015 | 9.612573 | .0223309 | .0905183 |
| #2 | .3884343 | .0098791 | .0090401 | 9.561033 | .0227202 | .0899825 |
| #3 | .3882158 | .0096718 | .0091363 | 9.531990 | .0222983 | .0905046 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0514784 | .2166645 | .0363578 | 9.816335 | .0723323 | .0180156 |
| Stddev | .0009993 | .0107194 | .0007160 | .011086  | .0003372 | .0001406 |
| %RSD   | 1.941207 | 4.947445 | 1.969347 | .1129292 | .4662429 | .7804422 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0519482 | .2280338 | .0357487 | 9.819704 | .0721176 | .0178745 |
| #2 | .0521561 | .2152177 | .0371465 | 9.825345 | .0721582 | .0181557 |
| #3 | .0503307 | .2067421 | .0361781 | 9.803956 | .0727210 | .0180166 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.620421 | .1041356 | .0960501 | 8.862625 | F .0295470 | F .0217783 |
| Stddev | .079127  | .0007449 | .0166427 | .025303  | .0009140   | .0015297   |
| %RSD   | .8224910 | .7152888 | 17.32712 | .2855073 | 3.093482   | 7.024069   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.711241 | .1039472 | .0962741 | 8.838247 | .0285156 | .0232939 |
| #2 | 9.566361 | .1035030 | .1125797 | 8.860866 | .0302567 | .0218060 |
| #3 | 9.583661 | .1049566 | .0792965 | 8.888763 | .0298687 | .0202349 |

Sample Name: PB99162BS      Acquired: 5/23/2017 12:30:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0211923 | .5347482 | .1898428 | F .0144353 | .2066490 | .0924912 |
| Stddev | .0004283 | .0187053 | .0011179 | .0005822   | .0008331 | .0003715 |
| %RSD   | 2.020858 | 3.497971 | .5888359 | 4.033037   | .4031569 | .4016130 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0206991 | .5533892 | .1906911 | .0150295 | .2060836 | .0920667 |
| #2 | .0214076 | .5348761 | .1902611 | .0144104 | .2062576 | .0927566 |
| #3 | .0214702 | .5159792 | .1885761 | .0138659 | .2076057 | .0926503 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2088620 |
| Stddev | .0003751 |
| %RSD   | .1796080 |

|    |          |
|----|----------|
| #1 | .2084328 |
| #2 | .2090262 |
| #3 | .2091270 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1690.541 | 2408.523 | 58545.30 | 5658.569 | 3749.133 |
| Stddev    | 13.868   | 1.123    | 174.20   | 4.710    | 4.021    |
| %RSD      | .8203083 | .0466405 | .2975390 | .0832354 | .1072484 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1703.631 | 2408.336 | 58675.29 | 5661.173 | 3750.235 |
| #2 | 1676.008 | 2407.506 | 58347.38 | 5653.132 | 3752.489 |
| #3 | 1691.984 | 2409.729 | 58613.24 | 5661.403 | 3744.677 |

Sample Name: I3268-01      Acquired: 5/23/2017 12:34:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC64      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0962812 | .0082654 | 2.720667 | -.002970 | .0045301 | 13.04662 | .5960080 |
| Stddev | .0036244 | .0008779 | .003204  | .002757  | .0013963 | .01150   | .0029837 |
| %RSD   | 3.764426 | 10.62158 | .1177660 | 92.80220 | 30.82355 | .0881607 | .5006175 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0953857 | .0087817 | 2.719715 | -.005070 | .0038512 | 13.03830 | .5994122 |
| #2 | .0931885 | .0087628 | 2.724238 | .000151  | .0061361 | 13.05974 | .5947656 |
| #3 | .1002694 | .0072518 | 2.718046 | -.003993 | .0036030 | 13.04181 | .5938462 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008581 | .0038633 | 316.3694 | .1840936 | .0206697 | 1.765505 | 26.51734 |
| Stddev | .0000303 | .0000930 | 1.8578   | .0005661 | .0001487 | .008057  | .18765   |
| %RSD   | 3.535581 | 2.406370 | .5872220 | .3074971 | .7194608 | .4563593 | .7076335 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008440 | .0039502 | 314.2254 | .1839668 | .0207138 | 1.756218 | 26.30487 |
| #2 | .0008374 | .0038743 | 317.3795 | .1847123 | .0205040 | 1.770636 | 26.66036 |
| #3 | .0008929 | .0037653 | 317.5033 | .1836017 | .0207914 | 1.769660 | 26.58679 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.610041 | 118.2973 | .0249462 | -.000169 | .2374383 | .4390561 | .8098879 |
| Stddev | .010191  | .5857    | .0002360 | .000210  | .0941898 | .0054184 | .0308426 |
| %RSD   | .6329932 | .4950701 | .9461726 | 124.3254 | 39.66915 | 1.234093 | 3.808250 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.598288 | 117.6400 | .0251323 | -.000304 | .1384692 | .4353762 | .7857494 |
| #2 | 1.615399 | 118.7637 | .0246807 | .000073  | .2478645 | .4452781 | .7992797 |
| #3 | 1.616436 | 118.4882 | .0250256 | -.000275 | .3259811 | .4365140 | .8446345 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.633229 | .8218774 | -.031188 | .0131987 | 18.43260 | 2.726545 | -.002328 |
| Stddev | .051106  | .0015410 | .001612  | .0007284 | .03696   | .019940  | .000637  |
| %RSD   | 1.103033 | .1874932 | 5.167756 | 5.518585 | .2005046 | .7313460 | 27.36548 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.582120 | .8211618 | -.029514 | .0137912 | 18.39000 | 2.728668 | -.003031 |
| #2 | 4.684332 | .8208244 | -.032730 | .0134195 | 18.45171 | 2.745339 | -.001791 |
| #3 | 4.633234 | .8236461 | -.031318 | .0123855 | 18.45609 | 2.705628 | -.002160 |



Sample Name: I3268-01      Acquired: 5/23/2017 12:34:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC64      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2471186 | .0368823 | .8654068 |
| Stddev | .0022564 | .0003876 | .0020845 |
| %RSD   | .9130726 | 1.050911 | .2408742 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2446595 | .0370574 | .8631765 |
| #2 | .2490938 | .0364380 | .8673060 |
| #3 | .2476025 | .0371514 | .8657379 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1562.300 | 2236.404 | 54422.73 | 5467.706 | 3145.995 |
| Stddev    | 4.667    | 3.007    | 161.09   | 40.978   | .671     |
| %RSD      | .2987147 | .1344536 | .2959895 | .7494463 | .0213356 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1567.131 | 2233.202 | 54608.35 | 5511.358 | 3145.306 |
| #2 | 1561.952 | 2236.842 | 54319.50 | 5430.068 | 3146.034 |
| #3 | 1557.817 | 2239.168 | 54340.35 | 5461.692 | 3146.646 |

Sample Name: I3268-02      Acquired: 5/23/2017 12:38:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC43      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1744483 | -.061603 | .8502301 | -.115803 | .0121234 | 93.18112 |
| Stddev | .0024997 | .001674  | .0033978 | .005163  | .0016821 | .12396   |
| %RSD   | 1.432916 | 2.717839 | .3996361 | 4.458442 | 13.87486 | .1330351 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1773249 | -.059914 | .8464792 | -.117947 | .0140561 | 93.31900 |
| #2 | .1728041 | -.061634 | .8531022 | -.109914 | .0109896 | 93.07888 |
| #3 | .1732158 | -.063262 | .8511088 | -.119549 | .0113245 | 93.14548 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.871515 | .0190687 | .0308181 | 74.77715 | .5100869 | .2635330 |
| Stddev | .020746  | .0001573 | .0002292 | .30872   | .0011722 | .0007603 |
| %RSD   | .3533363 | .8249196 | .7436336 | .4128481 | .2297964 | .2885147 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.892243 | .0189430 | .0310624 | 75.12958 | .5102242 | .2641936 |
| #2 | 5.871551 | .0192451 | .0306079 | 74.64731 | .5088521 | .2637037 |
| #3 | 5.850751 | .0190180 | .0307839 | 74.55456 | .5111843 | .2627019 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2517343 | 540.1087 | F 74.86032 | 29.06289 | .0853542 | -.013354 |
| Stddev | .0033109 | 1.3075   | .18866     | .07547   | .0007326 | .000594  |
| %RSD   | 1.315219 | .2420862 | .2520117   | .2596870 | .8583602 | 4.448830 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2541008 | 541.6183 | 75.07185 | 29.09142 | .0851267 | -.012879 |
| #2 | .2531514 | 539.3737 | 74.79962 | 29.11994 | .0861737 | -.014020 |
| #3 | .2479508 | 539.3341 | 74.70948 | 28.97732 | .0847624 | -.013164 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.592644 | .8453876 | 1.184008 | 3.412464 | 6.056812 | -1.51341 |
| Stddev | .040172  | .0082879 | .016048  | .025335  | .006903  | .00948   |
| %RSD   | 1.549464 | .9803652 | 1.355437 | .7424205 | .1139713 | .6264421 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.637617 | .8524265 | 1.196926 | 3.441716 | 6.062281 | -1.52405 |
| #2 | 2.560316 | .8474833 | 1.189057 | 3.398189 | 6.049056 | -1.51033 |
| #3 | 2.579999 | .8362530 | 1.166043 | 3.397489 | 6.059100 | -1.50585 |

Sample Name: I3268-02      Acquired: 5/23/2017 12:38:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC43      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0293757 | 4.790675 | 2.089358 | .0764452 | .8473740 | .0999920 |
| Stddev | .0002534 | .038356  | .020278  | .0008339 | .0037915 | .0007101 |
| %RSD   | .8625774 | .8006417 | .9705524 | 1.090798 | .4474424 | .7101482 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0290834 | 4.771003 | 2.087676 | .0771503 | .8466722 | .1002499 |
| #2 | .0295100 | 4.834876 | 2.110425 | .0766606 | .8514674 | .1005372 |
| #3 | .0295336 | 4.766146 | 2.069973 | .0755248 | .8439824 | .0991891 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3994868 |
| Stddev | .0012277 |
| %RSD   | .3073158 |

|    |          |
|----|----------|
| #1 | .4004328 |
| #2 | .3999281 |
| #3 | .3980995 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1752.276 | 2527.090 | 61776.74 | 6159.660 | 3138.155 |
| Stddev    | 9.233    | 7.307    | 150.37   | 20.384   | 4.391    |
| %RSD      | .5269386 | .2891294 | .2434137 | .3309243 | .1399167 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1743.305 | 2526.630 | 61732.71 | 6143.815 | 3137.356 |
| #2 | 1751.772 | 2534.615 | 61944.21 | 6152.511 | 3142.891 |
| #3 | 1761.752 | 2520.024 | 61653.29 | 6182.656 | 3134.219 |

Sample Name: I3268-03      Acquired: 5/23/2017 12:42:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC44      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0768053 | -.069488 | .2735909 | -.149719 | .0140636 | 101.6691 | 1.406698 |
| Stddev | .0030511 | .001768  | .0044089 | .006671  | .0018815 | .0450    | .003104  |
| %RSD   | 3.972519 | 2.544895 | 1.611509 | 4.455878 | 13.37879 | .0442470 | .2206299 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0764226 | -.068684 | .2786819 | -.153245 | .0158886 | 101.7060 | 1.409710 |
| #2 | .0800298 | -.071516 | .2710537 | -.153887 | .0141719 | 101.6823 | 1.406873 |
| #3 | .0739637 | -.068265 | .2710371 | -.142024 | .0121302 | 101.6190 | 1.403510 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0276776 | .0379877 | 21.58010 | .8826786 | .1800350 | .1931912 | 797.6872 |
| Stddev | .0002272 | .0001873 | .10605   | .0045429 | .0011113 | .0013383 | 2.1983   |
| %RSD   | .8210036 | .4930258 | .4914322 | .5146673 | .6172883 | .6927469 | .2755888 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0275221 | .0380970 | 21.60257 | .8850272 | .1809730 | .1919708 | 796.9112 |
| #2 | .0275724 | .0380947 | 21.46462 | .8855664 | .1803242 | .1929804 | 795.9822 |
| #3 | .0279384 | .0377714 | 21.67312 | .8774422 | .1788076 | .1946224 | 800.1683 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.26508 | 6.360589 | .0635805 | -.022182 | 3.079336 | 1.258774 | .3360145 |
| Stddev | .09442   | .047362  | .0005142 | .000237  | .080125  | .005709  | .0165889 |
| %RSD   | .3594719 | .7446219 | .8087812 | 1.068598 | 2.602024 | .4535365 | 4.936952 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.24249 | 6.313727 | .0635899 | -.022282 | 3.157613 | 1.262140 | .3546096 |
| #2 | 26.18400 | 6.359605 | .0630616 | -.022352 | 2.997483 | 1.252182 | .3306991 |
| #3 | 26.36873 | 6.408436 | .0640899 | -.021911 | 3.082911 | 1.261999 | .3227349 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4276642 | 4.392753 | -2.23990 | .0015400 | 1.110184 | 1.779252 | .0189607 |
| Stddev | .0135123 | .014502  | .00379   | .0004546 | .007923  | .009883  | .0006720 |
| %RSD   | 3.159569 | .3301423 | .1692441 | 29.52182 | .7136883 | .5554494 | 3.544407 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4370367 | 4.395821 | -2.23990 | .0012718 | 1.110609 | 1.784541 | .0197302 |
| #2 | .4337808 | 4.405475 | -2.23611 | .0012834 | 1.117886 | 1.767850 | .0186623 |
| #3 | .4121752 | 4.376962 | -2.24370 | .0020650 | 1.102056 | 1.785364 | .0184894 |

Sample Name: I3268-03      Acquired: 5/23/2017 12:42:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC44      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5363250 | .0108419 | .0825002 |
| Stddev | .0023773 | .0002272 | .0000909 |
| %RSD   | .4432482 | 2.095257 | .1101689 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5385182 | .0106334 | .0825921 |
| #2 | .5337988 | .0110840 | .0824983 |
| #3 | .5366579 | .0108084 | .0824103 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1868.310 | 2696.402 | 65107.39 | 6424.737 | 3256.867 |
| Stddev    | 9.530    | 8.766    | 85.73    | 16.073   | 7.343    |
| %RSD      | .5101072 | .3251032 | .1316681 | .2501670 | .2254761 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1870.331 | 2689.891 | 65136.69 | 6425.924 | 3250.897 |
| #2 | 1876.669 | 2692.944 | 65010.86 | 6440.183 | 3254.636 |
| #3 | 1857.932 | 2706.369 | 65174.63 | 6408.104 | 3265.067 |

Sample Name: I3268-04      Acquired: 5/23/2017 12:46:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC45      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0549867 | -.048969 | .1914096 | -.097406 | .0090992 | 105.5847 | 1.130351 |
| Stddev | .0021130 | .003692  | .0018694 | .003683  | .0004074 | .3261    | .002391  |
| %RSD   | 3.842703 | 7.539652 | .9766469 | 3.781577 | 4.476919 | .3088589 | .2115500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0551197 | -.046669 | .1922802 | -.093264 | .0091738 | 105.2138 | 1.128112 |
| #2 | .0570301 | -.047010 | .1926848 | -.100315 | .0094641 | 105.8266 | 1.132870 |
| #3 | .0528104 | -.053227 | .1892637 | -.098638 | .0086597 | 105.7137 | 1.130070 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0206462 | .0280682 | 18.52406 | .4966376 | .1421282 | .1380366 | 501.5006 |
| Stddev | .0001528 | .0000899 | .07470   | .0007187 | .0003503 | .0018127 | 1.3879   |
| %RSD   | .7401294 | .3202553 | .4032709 | .1447165 | .2464996 | 1.313209 | .2767576 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0208002 | .0281505 | 18.57002 | .4960266 | .1421458 | .1400714 | 500.6431 |
| #2 | .0204946 | .0280817 | 18.43787 | .4974295 | .1417694 | .1374444 | 500.7568 |
| #3 | .0206440 | .0279723 | 18.56430 | .4964567 | .1424695 | .1365941 | 503.1019 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.41454 | 6.418158 | .0694530 | -.013946 | 2.164992 | .7759126 | .3521339 |
| Stddev | .09921   | .032850  | .0001274 | .000569  | .035142  | .0026345 | .0064396 |
| %RSD   | .4236967 | .5118287 | .1834731 | 4.077843 | 1.623214 | .3395328 | 1.828734 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 23.34210 | 6.398676 | .0695157 | -.013698 | 2.170425 | .7756497 | .3447208 |
| #2 | 23.37390 | 6.399712 | .0695369 | -.013544 | 2.197102 | .7786687 | .3553376 |
| #3 | 23.52761 | 6.456085 | .0693064 | -.014597 | 2.127450 | .7734194 | .3563433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.099600 | 2.159998 | -1.40955 | -.000594 | 1.242982 | 1.484754 | .0156933 |
| Stddev | .010502  | .013096  | .00373   | .000106  | .007656  | .015777  | .0007619 |
| %RSD   | .9550557 | .6063181 | .2644014 | 17.91180 | .6159461 | 1.062580 | 4.854618 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.092850 | 2.147674 | -1.41219 | -.000694 | 1.246341 | 1.502970 | .0150241 |
| #2 | 1.111699 | 2.158570 | -1.41117 | -.000607 | 1.248385 | 1.475442 | .0165224 |
| #3 | 1.094250 | 2.173750 | -1.40528 | -.000482 | 1.234221 | 1.475851 | .0155333 |

Sample Name: I3268-04      Acquired: 5/23/2017 12:46:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC45      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2696428 | .0190149 | .0771512 |
| Stddev | .0015424 | .0002641 | .0001138 |
| %RSD   | .5720338 | 1.389142 | .1475226 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2683068 | .0188162 | .0771895 |
| #2 | .2692908 | .0193147 | .0772410 |
| #3 | .2713308 | .0189140 | .0770232 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1963.766 | 2818.149 | 68224.56 | 6780.806 | 3256.361 |
| Stddev    | 13.126   | 9.337    | 84.92    | 2.980    | 4.875    |
| %RSD      | .6684248 | .3313258 | .1244710 | .0439451 | .1496945 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1974.621 | 2816.861 | 68320.45 | 6781.351 | 3255.071 |
| #2 | 1967.501 | 2809.522 | 68158.85 | 6783.476 | 3252.262 |
| #3 | 1949.178 | 2828.063 | 68194.39 | 6777.592 | 3261.751 |

Sample Name: I3268-05      Acquired: 5/23/2017 12:50:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC46      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1776679 | -.047103 | 1.758094 | -.095468 | .0110156 | 103.2974 | 2.609748 |
| Stddev | .0040238 | .001641  | .009457  | .006454  | .0003192 | .4207    | .009678  |
| %RSD   | 2.264803 | 3.482820 | .5379288 | 6.760030 | 2.897745 | .4072624 | .3708584 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1760844 | -.045254 | 1.749863 | -.088021 | .0113312 | 102.8129 | 2.598837 |
| #2 | .1822425 | -.047673 | 1.755995 | -.099439 | .0110226 | 103.5703 | 2.617298 |
| #3 | .1746767 | -.048383 | 1.768425 | -.098943 | .0106930 | 103.5090 | 2.613110 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0198139 | .0342642 | 110.4675 | .3972783 | .1533708 | .3936412 | 504.2781 |
| Stddev | .0002189 | .0003572 | .3589    | .0042619 | .0009995 | .0033846 | 2.4243   |
| %RSD   | 1.104899 | 1.042405 | .3248685 | 1.072777 | .6517088 | .8598126 | .4807435 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0196381 | .0339607 | 110.2199 | .3993211 | .1522488 | .3932259 | 502.0495 |
| #2 | .0200591 | .0346578 | 110.8790 | .3923795 | .1536970 | .3972142 | 506.8594 |
| #3 | .0197444 | .0341742 | 110.3035 | .4001343 | .1541664 | .3904834 | 503.9252 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.47433 | 26.89773 | .0949624 | -.012965 | 2.907115 | .7261886 | 2.422479 |
| Stddev | .10254   | .14055   | .0021368 | .000560  | .102988  | .0013274 | .033712  |
| %RSD   | .5550393 | .5225353 | 2.250141 | 4.317291 | 3.542635 | .1827868 | 1.391616 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.36361 | 26.74797 | .0936817 | -.013548 | 2.987909 | .7256296 | 2.399274 |
| #2 | 18.56602 | 27.02677 | .0937763 | -.012432 | 2.942288 | .7277041 | 2.461148 |
| #3 | 18.49336 | 26.91845 | .0974291 | -.012915 | 2.791148 | .7252322 | 2.407015 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.609512 | 7.177595 | -1.40093 | .0069422 | 15.93811 | 3.860800 | .2328817 |
| Stddev | .022645  | .038523  | .00227   | .0001527 | .06102   | .010716  | .0005391 |
| %RSD   | .3426106 | .5367067 | .1618954 | 2.199934 | .3828775 | .2775540 | .2314682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.600135 | 7.134756 | -1.40286 | .0070048 | 15.86764 | 3.853390 | .2323823 |
| #2 | 6.593062 | 7.209388 | -1.40150 | .0067681 | 15.97330 | 3.855923 | .2328096 |
| #3 | 6.635339 | 7.188642 | -1.39843 | .0070536 | 15.97338 | 3.873087 | .2334532 |



Sample Name: I3268-05      Acquired: 5/23/2017 12:50:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC46      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.504458 | .1161243 | .4785073 |
| Stddev | .007645  | .0004112 | .0020447 |
| %RSD   | .5081827 | .3540689 | .4273027 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.503370 | .1158022 | .4769728 |
| #2 | 1.512589 | .1159834 | .4808284 |
| #3 | 1.497415 | .1165874 | .4777206 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1787.619 | 2585.549 | 63435.68 | 6316.151 | 3117.419 |
| Stddev    | 14.621   | 3.992    | 131.56   | 16.429   | 11.522   |
| %RSD      | .8178762 | .1543837 | .2073887 | .2601165 | .3695858 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1790.371 | 2586.102 | 63338.14 | 6322.948 | 3129.976 |
| #2 | 1771.818 | 2581.309 | 63383.58 | 6297.414 | 3107.334 |
| #3 | 1800.668 | 2589.235 | 63585.30 | 6328.091 | 3114.948 |

Sample Name: I3268-06      Acquired: 5/23/2017 12:54:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC47      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1533526 | -.044584 | .8249192 | -.093416 | .0102781 | 88.44326 |
| Stddev | .0054974 | .001061  | .0012652 | .003579  | .0017162 | .28505   |
| %RSD   | 3.584812 | 2.378869 | .1533776 | 3.831760 | 16.69745 | .3222950 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1571954 | -.043742 | .8263759 | -.092830 | .0083177 | 88.12968 |
| #2 | .1558067 | -.045775 | .8240943 | -.097253 | .0115089 | 88.68667 |
| #3 | .1470556 | -.044235 | .8242873 | -.090166 | .0110077 | 88.51342 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.805147 | .0177956 | .0259626 | 69.44217 | .4756459 | .1936492 |
| Stddev | .011478  | .0001817 | .0002015 | .43258   | .0006910 | .0007613 |
| %RSD   | .3016335 | 1.021273 | .7760057 | .6229405 | .1452688 | .3931247 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.798548 | .0178065 | .0261066 | 68.94286 | .4764236 | .1940582 |
| #2 | 3.818400 | .0179716 | .0260489 | 69.67956 | .4754115 | .1941186 |
| #3 | 3.798493 | .0176086 | .0257324 | 69.70407 | .4751027 | .1927709 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2253108 | 476.6246 | F 44.40563 | 24.42741 | .0905022 | -.011340 |
| Stddev | .0014717 | 4.2711   | .45250     | .24488   | .0006232 | .000455  |
| %RSD   | .6532030 | .8961156 | 1.019024   | 1.002496 | .6886188 | 4.009877 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2251372 | 471.8773 | 43.90593 | 24.17780 | .0907957 | -.011442 |
| #2 | .2239337 | 477.8411 | 44.52324 | 24.43715 | .0897865 | -.011734 |
| #3 | .2268617 | 480.1556 | 44.78772 | 24.66728 | .0909245 | -.010842 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.301689 | .7497666 | 1.056273 | 3.534443 | 6.362171 | -1.35686 |
| Stddev | .069678  | .0076561 | .008046  | .037110  | .047662  | .00790   |
| %RSD   | 3.027234 | 1.021135 | .7617399 | 1.049940 | .7491404 | .5824804 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.225243 | .7409302 | 1.062645 | 3.502511 | 6.410231 | -1.34877 |
| #2 | 2.361636 | .7539525 | 1.047232 | 3.575155 | 6.361364 | -1.35723 |
| #3 | 2.318188 | .7544172 | 1.058943 | 3.525663 | 6.314918 | -1.36457 |

Sample Name: I3268-06      Acquired: 5/23/2017 12:54:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC47      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0156931 | 5.826678 | 1.934821 | .0765275 | .7442679 | .1062563 |
| Stddev | .0003546 | .077526  | .013374  | .0012285 | .0030021 | .0010565 |
| %RSD   | 2.259360 | 1.330535 | .6912502 | 1.605263 | .4033600 | .9942446 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0160790 | 5.916022 | 1.926466 | .0757865 | .7425127 | .1067513 |
| #2 | .0153817 | 5.777154 | 1.950247 | .0758504 | .7425566 | .1069743 |
| #3 | .0156185 | 5.786859 | 1.927750 | .0779455 | .7477343 | .1050432 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3647340 |
| Stddev | .0011198 |
| %RSD   | .3070035 |

|    |          |
|----|----------|
| #1 | .3635202 |
| #2 | .3657268 |
| #3 | .3649551 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1801.291 | 2599.809 | 63065.51 | 6213.965 | 3225.976 |
| Stddev    | 5.075    | 22.177   | 149.13   | 29.832   | 16.624   |
| %RSD      | .2817634 | .8530239 | .2364742 | .4800724 | .5153184 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1804.049 | 2584.759 | 62894.30 | 6245.878 | 3210.336 |
| #2 | 1804.391 | 2589.391 | 63135.18 | 6209.235 | 3224.157 |
| #3 | 1795.434 | 2625.277 | 63167.07 | 6186.780 | 3243.435 |

Sample Name: I3268-07      Acquired: 5/23/2017 12:58:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC48      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1210323 | -.038188 | .5866577 | -.070173 | .0053951 | 111.9646 | .8879315 |
| Stddev | .0025822 | .002264  | .0019808 | .001674  | .0007700 | .1120    | .0029848 |
| %RSD   | 2.133445 | 5.927290 | .3376404 | 2.385455 | 14.27243 | .1000404 | .3361572 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1209455 | -.036956 | .5851256 | -.071374 | .0051583 | 111.9874 | .8892065 |
| #2 | .1184947 | -.036808 | .5888945 | -.070884 | .0047713 | 111.8430 | .8845209 |
| #3 | .1236568 | -.040801 | .5859531 | -.068261 | .0062558 | 112.0635 | .8900671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0151605 | .0175887 | 24.29520 | .4622034 | .2877396 | .1792851 | 376.9888 |
| Stddev | .0000839 | .0001925 | .01225   | .0010818 | .0006400 | .0011826 | 1.6010   |
| %RSD   | .5532035 | 1.094337 | .0504142 | .2340480 | .2224099 | .6596053 | .4246935 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0151653 | .0177423 | 24.30623 | .4616723 | .2884721 | .1781112 | 375.2820 |
| #2 | .0150743 | .0173728 | 24.28202 | .4634481 | .2874577 | .1792681 | 378.4574 |
| #3 | .0152419 | .0176510 | 24.29734 | .4614898 | .2872890 | .1804761 | 377.2270 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.95381 | 3.812707 | .1314019 | -.009776 | 1.662789 | .4390013 | .5861274 |
| Stddev | .08701   | .022562  | .0006491 | .000281  | .101231  | .0062574 | .0121836 |
| %RSD   | .3228217 | .5917467 | .4939586 | 2.879269 | 6.088010 | 1.425373 | 2.078654 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.86291 | 3.823714 | .1306689 | -.010100 | 1.625886 | .4419784 | .5726589 |
| #2 | 27.03633 | 3.827652 | .1316329 | -.009645 | 1.585188 | .4432142 | .5963813 |
| #3 | 26.96220 | 3.786754 | .1319038 | -.009584 | 1.777295 | .4318111 | .5893422 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.997238 | 2.776301 | -1.06181 | .0105730 | 1.630888 | 2.597971 | .0137473 |
| Stddev | .017949  | .019901  | .00490   | .0002291 | .014706  | .024786  | .0024446 |
| %RSD   | .2992955 | .7168203 | .4611287 | 2.167180 | .9016963 | .9540551 | 17.78246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.003245 | 2.799061 | -1.06375 | .0103473 | 1.617607 | 2.597746 | .0146109 |
| #2 | 5.977055 | 2.767662 | -1.05624 | .0105664 | 1.628364 | 2.573298 | .0109880 |
| #3 | 6.011414 | 2.762179 | -1.06544 | .0108054 | 1.646692 | 2.622869 | .0156428 |

Sample Name: I3268-07      Acquired: 5/23/2017 12:58:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC48      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7488548 | .0329378 | .1371256 |
| Stddev | .0024212 | .0004879 | .0002631 |
| %RSD   | .3233167 | 1.481252 | .1918775 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7468434 | .0325996 | .1371952 |
| #2 | .7515421 | .0327168 | .1368347 |
| #3 | .7481789 | .0334971 | .1373469 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1877.506 | 2718.280 | 64941.65 | 6356.319 | 3367.242 |
| Stddev    | 3.003    | 3.358    | 168.85   | 18.681   | 4.556    |
| %RSD      | .1599466 | .1235325 | .2600095 | .2939031 | .1352893 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1874.128 | 2714.415 | 64749.15 | 6365.842 | 3362.172 |
| #2 | 1879.872 | 2720.481 | 65011.07 | 6368.321 | 3368.561 |
| #3 | 1878.519 | 2719.944 | 65064.73 | 6334.796 | 3370.992 |

Sample Name: I3268-08      Acquired: 5/23/2017 13:02:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC49      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1517444 | -.048821 | .4836287 | -.091213 | .0069554 | 124.3458 |
| Stddev | .0050195 | .001039  | .0018167 | .001512  | .0016985 | .5015    |
| %RSD   | 3.307877 | 2.128745 | .3756354 | 1.658172 | 24.41966 | .4033170 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1515468 | -.049729 | .4819961 | -.092622 | .0080606 | 124.2678 |
| #2 | .1468266 | -.047687 | .4855857 | -.089614 | .0078058 | 124.8818 |
| #3 | .1568598 | -.049045 | .4833044 | -.091402 | .0049997 | 123.8879 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.163295 | .0142374 | .0209902 | 22.98058 | .5463991 | .3650546 |
| Stddev | .006106  | .0003825 | .0001239 | .08936   | .0022258 | .0012696 |
| %RSD   | .5248643 | 2.686552 | .5901479 | .3888659 | .4073622 | .3477803 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.161080 | .0138878 | .0208844 | 23.07823 | .5451771 | .3643936 |
| #2 | 1.170199 | .0141785 | .0211265 | 22.90287 | .5450521 | .3665183 |
| #3 | 1.158606 | .0146460 | .0209597 | 22.96063 | .5489683 | .3642519 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2017511 | 470.5251 | F 40.08564 | 3.847270 | .1305390 | -.012493 |
| Stddev | .0022403 | 1.0471   | .09235     | .040054  | .0005347 | .000307  |
| %RSD   | 1.110448 | .2225417 | .2303882   | 1.041090 | .4096491 | 2.459343 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2000519 | 469.3185 | 39.97923 | 3.827881 | .1303363 | -.012282 |
| #2 | .2042900 | 471.1968 | 40.14481 | 3.893329 | .1311454 | -.012353 |
| #3 | .2009114 | 471.0598 | 40.13289 | 3.820600 | .1301352 | -.012846 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.835179 | .5551968 | .3239797 | 5.792471 | 2.066038 | -1.31250 |
| Stddev | .078518  | .0022164 | .0276975 | .088012  | .004485  | .00466   |
| %RSD   | 4.278517 | .3992143 | 8.549135 | 1.519420 | .2170829 | .3552796 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.915175 | .5569441 | .3549869 | 5.731833 | 2.068104 | -1.30716 |
| #2 | 1.758226 | .5559427 | .3152629 | 5.893418 | 2.060892 | -1.31573 |
| #3 | 1.832137 | .5527037 | .3016892 | 5.752161 | 2.069117 | -1.31462 |

Sample Name: I3268-08      Acquired: 5/23/2017 13:02:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC49      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0112145 | .6605496 | 2.031140 | .0147391 | .7399301 | .0339107 |
| Stddev | .0001550 | .0148425 | .008351  | .0002415 | .0049635 | .0004869 |
| %RSD   | 1.382131 | 2.246997 | .4111312 | 1.638390 | .6708138 | 1.435909 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0110756 | .6646069 | 2.021632 | .0148142 | .7369201 | .0333872 |
| #2 | .0111861 | .6441003 | 2.037287 | .0149340 | .7456590 | .0343501 |
| #3 | .0113817 | .6729415 | 2.034500 | .0144689 | .7372111 | .0339950 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1193237 |
| Stddev | .0003011 |
| %RSD   | .2523666 |

|    |          |
|----|----------|
| #1 | .1189797 |
| #2 | .1195395 |
| #3 | .1194519 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1801.811 | 2582.401 | 62245.18 | 6163.929 | 3319.324 |
| Stddev    | 16.245   | 11.002   | 213.56   | 10.696   | 6.209    |
| %RSD      | .9016173 | .4260333 | .3430882 | .1735267 | .1870597 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1783.074 | 2588.731 | 62018.91 | 6167.892 | 3326.434 |
| #2 | 1811.951 | 2588.775 | 62443.21 | 6151.816 | 3316.571 |
| #3 | 1810.408 | 2569.697 | 62273.41 | 6172.077 | 3314.968 |

Sample Name: I3268-09      Acquired: 5/23/2017 13:06:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC50      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2607368 | -.114915 | .8385922 | -.197286 | .0150197 | 173.6213 |
| Stddev | .0026716 | .001503  | .0043095 | .005790  | .0018708 | .1100    |
| %RSD   | 1.024631 | 1.307814 | .5139033 | 2.934680 | 12.45593 | .0633332 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2596396 | -.116176 | .8405810 | -.203954 | .0169243 | 173.6872 |
| #2 | .2587885 | -.115319 | .8415481 | -.193527 | .0149502 | 173.4944 |
| #3 | .2637823 | -.113252 | .8336474 | -.194379 | .0131845 | 173.6824 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.734634 | .0252524 | .0479797 | 29.58795 | 1.548451 | .6578591 |
| Stddev | .007939  | .0003127 | .0001666 | .26855   | .010240  | .0019359 |
| %RSD   | .2903136 | 1.238364 | .3473190 | .9076407 | .6613218 | .2942684 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.737481 | .0253594 | .0480068 | 29.83608 | 1.554423 | .6574246 |
| #2 | 2.725664 | .0249003 | .0481311 | 29.30281 | 1.536626 | .6599753 |
| #3 | 2.740757 | .0254976 | .0478012 | 29.62495 | 1.554303 | .6561774 |

|        |          |            |            |          |          |          |
|--------|----------|------------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3815917 | F 988.2995 | F 92.69774 | 4.509933 | .2506298 | -.023010 |
| Stddev | .0021313 | .4772      | .02582     | .069994  | .0021630 | .000184  |
| %RSD   | .5585322 | .0482840   | .0278491   | 1.551992 | .8630152 | .7979621 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3840508 | 988.7666 | 92.70609 | 4.499455 | .2519250 | -.023199 |
| #2 | .3804469 | 987.8128 | 92.66879 | 4.445768 | .2518316 | -.022999 |
| #3 | .3802774 | 988.3191 | 92.71835 | 4.584575 | .2481328 | -.022832 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 3.758074 | 1.039261 | .5114345 | 5.964492 | 3.482961 | ^ ***** |
| Stddev | .097257  | .007450  | .0205765 | .019952  | .021812  | -----   |
| %RSD   | 2.587960 | .7168623 | 4.023286 | .3345211 | .6262585 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 3.744722 | 1.047587 | .5218170 | 5.952878 | 3.466349 | ^ ----- |
| #2 | 3.668182 | 1.036970 | .5247512 | 5.953066 | 3.507663 | ^ ----- |
| #3 | 3.861317 | 1.033225 | .4877353 | 5.987531 | 3.474873 | ^ ----- |



Sample Name: I3268-09      Acquired: 5/23/2017 13:06:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC50      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0214976 | -.506873 | 2.392190 | .0223803 | .8241780 | .0500813 |
| Stddev | .0005211 | .009167  | .018824  | .0002346 | .0041782 | .0004149 |
| %RSD   | 2.423948 | 1.808482 | .7868805 | 1.048110 | .5069561 | .8285617 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0220982 | -.497781 | 2.395451 | .0224902 | .8221618 | .0500061 |
| #2 | .0211660 | -.506725 | 2.371949 | .0225397 | .8213901 | .0497092 |
| #3 | .0212285 | -.516112 | 2.409171 | .0221109 | .8289819 | .0505288 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1187940 |
| Stddev | .0004040 |
| %RSD   | .3401238 |

|    |          |
|----|----------|
| #1 | .1191765 |
| #2 | .1183714 |
| #3 | .1188342 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1736.589 | 2550.719 | 61216.58 | 6095.231 | 3104.937 |
| Stddev    | 25.778   | 9.138    | 95.62    | 26.489   | 14.922   |
| %RSD      | 1.484426 | .3582391 | .1561970 | .4345823 | .4805777 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1730.396 | 2540.191 | 61154.77 | 6066.567 | 3093.043 |
| #2 | 1714.471 | 2556.596 | 61168.25 | 6118.806 | 3100.087 |
| #3 | 1764.899 | 2555.369 | 61326.71 | 6100.319 | 3121.680 |

Sample Name: I3268-10      Acquired: 5/23/2017 13:10:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC51      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1588219 | -.050703 | 1.012447 | -.080011 | .0087130 | 112.8800 | 1.518179 |
| Stddev | .0022673 | .001800  | .003440  | .002034  | .0010225 | .0439    | .003963  |
| %RSD   | 1.427588 | 3.550014 | .3398000 | 2.542625 | 11.73583 | .0388516 | .2610131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1608909 | -.049157 | 1.009693 | -.078029 | .0093798 | 112.9161 | 1.521887 |
| #2 | .1591767 | -.050273 | 1.011346 | -.082094 | .0075357 | 112.8927 | 1.514003 |
| #3 | .1563981 | -.052679 | 1.016304 | -.079911 | .0092234 | 112.8312 | 1.518647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0190112 | .0298091 | 124.1104 | .5294790 | .3183910 | .2710169 | 402.2364 |
| Stddev | .0001268 | .0002425 | .3413    | .0009107 | .0008921 | .0028111 | 1.1153   |
| %RSD   | .6670572 | .8136168 | .2750158 | .1719967 | .2801780 | 1.037243 | .2772689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0188700 | .0298468 | 124.1588 | .5289648 | .3177764 | .2731624 | 401.8217 |
| #2 | .0191153 | .0295500 | 124.4250 | .5305304 | .3179824 | .2720538 | 403.4996 |
| #3 | .0190482 | .0300306 | 123.7475 | .5289417 | .3194142 | .2678347 | 401.3879 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.97901 | 20.17879 | .1616841 | -.010783 | 1.964598 | .4514658 | 2.151343 |
| Stddev | .06010   | .11413   | .0002176 | .000501  | .094633  | .0020275 | .016292  |
| %RSD   | .2004627 | .5655969 | .1345515 | 4.648540 | 4.816927 | .4490911 | .7572767 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 29.92608 | 20.24128 | .1614786 | -.010624 | 1.972227 | .4531330 | 2.142623 |
| #2 | 30.04434 | 20.24803 | .1619120 | -.011345 | 1.866382 | .4520556 | 2.141267 |
| #3 | 29.96660 | 20.04706 | .1616616 | -.010381 | 2.055186 | .4492088 | 2.170138 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.581411 | 4.681070 | -1.14647 | .0144879 | 7.058184 | 3.012953 | .0227977 |
| Stddev | .048792  | .030253  | .00489   | .0002371 | .083416  | .014962  | .0014248 |
| %RSD   | .6435708 | .6462787 | .4265312 | 1.636564 | 1.181828 | .4965797 | 6.249544 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.529090 | 4.652063 | -1.14463 | .0143910 | 7.016921 | 3.023749 | .0242493 |
| #2 | 7.625669 | 4.678714 | -1.15202 | .0143145 | 7.003441 | 3.019235 | .0214014 |
| #3 | 7.589474 | 4.712431 | -1.14277 | .0147581 | 7.154189 | 2.995874 | .0227424 |

Sample Name: I3268-10      Acquired: 5/23/2017 13:10:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC51      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7651965 | .0588252 | .2780845 |
| Stddev | .0008400 | .0004769 | .0003894 |
| %RSD   | .1097707 | .8107593 | .1400243 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7656112 | .0592591 | .2784421 |
| #2 | .7642298 | .0583146 | .2781419 |
| #3 | .7657485 | .0589020 | .2776696 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1955.052 | 2838.535 | 68449.42 | 6835.144 | 3146.700 |
| Stddev    | 13.133   | 11.523   | 76.09    | 37.971   | 12.751   |
| %RSD      | .6717675 | .4059652 | .1111684 | .5555211 | .4052142 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1939.887 | 2850.060 | 68364.25 | 6834.849 | 3154.398 |
| #2 | 1962.602 | 2838.532 | 68510.71 | 6797.321 | 3153.721 |
| #3 | 1962.667 | 2827.013 | 68473.30 | 6873.261 | 3131.982 |

Sample Name: I3268-11      Acquired: 5/23/2017 13:14:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC52      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1197228 | -.045493 | .8004283 | -.066968 | .0076434 | 106.6508 |
| Stddev | .0028449 | .000407  | .0055395 | .000565  | .0011307 | .5921    |
| %RSD   | 2.376270 | .8947742 | .6920615 | .8435651 | 14.79333 | .5551661 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1205107 | -.045916 | .7948419 | -.067619 | .0066916 | 106.8178 |
| #2 | .1165670 | -.045105 | .8059196 | -.066606 | .0088933 | 107.1415 |
| #3 | .1220908 | -.045457 | .8005235 | -.066679 | .0073454 | 105.9932 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.375535 | .0176898 | .0201158 | 24.69941 | .4987854 | .3953818 |
| Stddev | .007244  | .0000931 | .0004326 | .06843   | .0054555 | .0023052 |
| %RSD   | .5266185 | .5262333 | 2.150295 | .2770592 | 1.093751 | .5830232 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.377737 | .0177914 | .0196623 | 24.62071 | .5036106 | .3927910 |
| #2 | 1.381422 | .0176087 | .0201613 | 24.73261 | .4928656 | .3972061 |
| #3 | 1.367445 | .0176694 | .0205238 | 24.74490 | .4998800 | .3961482 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1916214 | 347.7402 | F 33.38752 | 3.639037 | .1481475 | -.008604 |
| Stddev | .0019263 | .8245    | .03620     | .057078  | .0014951 | .000017  |
| %RSD   | 1.005283 | .2371150 | .1084370   | 1.568487 | 1.009199 | .1937293 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1906128 | 348.6660 | 33.42677 | 3.573368 | .1470564 | -.008590 |
| #2 | .1904087 | 347.0850 | 33.38033 | 3.676725 | .1498517 | -.008599 |
| #3 | .1938426 | 347.4695 | 33.35545 | 3.667017 | .1475345 | -.008623 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.319322 | .4068435 | .5373778 | 6.048601 | 2.665293 | -.987426 |
| Stddev | .041950  | .0047780 | .0043796 | .056101  | .029627  | .002491  |
| %RSD   | 3.179693 | 1.174417 | .8149863 | .9275054 | 1.111580 | .2522472 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.316209 | .4108744 | .5414700 | 6.097093 | 2.637894 | -.990156 |
| #2 | 1.279014 | .4080904 | .5379049 | 6.061555 | 2.696733 | -.986845 |
| #3 | 1.362742 | .4015656 | .5327586 | 5.987157 | 2.661253 | -.985277 |

Sample Name: I3268-11      Acquired: 5/23/2017 13:14:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC52      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097000 | 1.871317 | 1.972999 | .0157976 | .5783376 | .0343117 |
| Stddev | .0003593 | .032066  | .006246  | .0010909 | .0034112 | .0006911 |
| %RSD   | 3.704574 | 1.713536 | .3165683 | 6.905442 | .5898358 | 2.014067 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0095462 | 1.838294 | 1.979304 | .0153831 | .5778883 | .0348350 |
| #2 | .0101106 | 1.873326 | 1.972879 | .0149747 | .5819513 | .0345717 |
| #3 | .0094430 | 1.902331 | 1.966814 | .0170350 | .5751733 | .0335283 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1333482 |
| Stddev | .0004727 |
| %RSD   | .3544843 |

|    |          |
|----|----------|
| #1 | .1336249 |
| #2 | .1336173 |
| #3 | .1328024 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2025.073 | 2904.677 | 70305.38 | 6867.444 | 3290.404 |
| Stddev    | 18.398   | 19.466   | 610.33   | 27.780   | 25.910   |
| %RSD      | .9085061 | .6701470 | .8681135 | .4045218 | .7874488 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2007.159 | 2927.083 | 69694.10 | 6864.425 | 3319.330 |
| #2 | 2043.920 | 2891.928 | 70914.75 | 6841.296 | 3269.324 |
| #3 | 2024.140 | 2895.021 | 70307.30 | 6896.610 | 3282.557 |

Sample Name: I3268-12      Acquired: 5/23/2017 13:18:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC67      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0950575 | -.054450 | .4370095 | -.102092 | .0102320 | 131.6283 | .8651139 |
| Stddev | .0042194 | .001161  | .0031945 | .002191  | .0022608 | 1.1080   | .0102796 |
| %RSD   | 4.438834 | 2.131982 | .7309994 | 2.145722 | 22.09503 | .8417352 | 1.188238 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0993154 | -.053881 | .4391834 | -.101503 | .0109474 | 132.0710 | .8673345 |
| #2 | .0908776 | -.055785 | .4385034 | -.104516 | .0077002 | 130.3675 | .8539055 |
| #3 | .0949794 | -.053683 | .4333417 | -.100255 | .0120486 | 132.4465 | .8741017 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0176507 | .0260335 | 21.47255 | .5467076 | .4369344 | .1771879 | 567.2979 |
| Stddev | .0002619 | .0004117 | .12596   | .0009085 | .0008393 | .0023158 | 2.8163   |
| %RSD   | 1.483731 | 1.581509 | .5865901 | .1661840 | .1920951 | 1.306997 | .4964475 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0179470 | .0265082 | 21.56453 | .5457393 | .4377440 | .1765927 | 570.1558 |
| #2 | .0174503 | .0257733 | 21.32899 | .5475414 | .4360682 | .1752277 | 564.5251 |
| #3 | .0175547 | .0258189 | 21.52413 | .5468421 | .4369910 | .1797432 | 567.2128 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.93237 | 4.762519 | .1318193 | -.015524 | 2.515053 | .7055336 | .2120478 |
| Stddev | .04596   | .053005  | .0008540 | .000435  | .112318  | .0060005 | .0220327 |
| %RSD   | .2427448 | 1.112960 | .6478222 | 2.804638 | 4.465842 | .8504895 | 10.39042 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.98517 | 4.749328 | .1308442 | -.015157 | 2.556924 | .7032995 | .2247606 |
| #2 | 18.90137 | 4.717356 | .1321799 | -.015411 | 2.387813 | .7009707 | .1866067 |
| #3 | 18.91056 | 4.820874 | .1324339 | -.016005 | 2.600421 | .7123307 | .2247761 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.916118 | 1.909278 | -1.61557 | .0153479 | 1.490025 | 2.020139 | .0141450 |
| Stddev | .049942  | .005488  | .00118   | .0005265 | .009806  | .005191  | .0016077 |
| %RSD   | 1.015887 | .2874521 | .0729116 | 3.430454 | .6580922 | .2569841 | 11.36578 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.932442 | 1.915615 | -1.61650 | .0148999 | 1.500453 | 2.016062 | .0126109 |
| #2 | 4.860056 | 1.906141 | -1.61425 | .0159278 | 1.488633 | 2.018371 | .0140067 |
| #3 | 4.955855 | 1.906077 | -1.61597 | .0152159 | 1.480990 | 2.025983 | .0158174 |

Sample Name: I3268-12      Acquired: 5/23/2017 13:18:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC67      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3882279 | .0431546 | .1277609 |
| Stddev | .0016095 | .0000922 | .0008948 |
| %RSD   | .4145685 | .2136905 | .7004042 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3887848 | .0431861 | .1285037 |
| #2 | .3864140 | .0430507 | .1267675 |
| #3 | .3894850 | .0432269 | .1280116 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1841.996 | 2667.050 | 63878.14 | 6261.204 | 3299.388 |
| Stddev    | 14.995   | 10.821   | 267.59   | 22.737   | 2.646    |
| %RSD      | .8140592 | .4057427 | .4189136 | .3631376 | .0801920 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1825.514 | 2678.443 | 63579.28 | 6243.277 | 3302.295 |
| #2 | 1845.642 | 2656.909 | 63959.64 | 6286.778 | 3297.120 |
| #3 | 1854.831 | 2665.798 | 64095.52 | 6253.555 | 3298.749 |

Sample Name: I3268-13      Acquired: 5/23/2017 13:22:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC68      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1297676 | -.086333 | 1.126968 | -.170681 | .0174136 | 119.6229 |
| Stddev | .0062713 | .001979  | .001721  | .004130  | .0002740 | .2039    |
| %RSD   | 4.832691 | 2.292241 | .1527521 | 2.419555 | 1.573662 | .1704312 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1235307 | -.088584 | 1.127691 | -.173480 | .0176891 | 119.8155 |
| #2 | .1296994 | -.085548 | 1.125002 | -.165938 | .0171410 | 119.4094 |
| #3 | .1360726 | -.084868 | 1.128209 | -.172624 | .0174107 | 119.6439 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.410460 | .0216586 | .0410607 | 18.19906 | .8146898 | .3715764 |
| Stddev | .009592  | .0001081 | .0002890 | .02215   | .0018704 | .0005682 |
| %RSD   | .3979150 | .4990360 | .7037018 | .1216873 | .2295817 | .1529029 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.415247 | .0215806 | .0408032 | 18.19278 | .8137922 | .3714437 |
| #2 | 2.399417 | .0217820 | .0410057 | 18.22367 | .8134374 | .3710864 |
| #3 | 2.416715 | .0216133 | .0413732 | 18.18073 | .8168398 | .3721992 |

|        |          |            |            |          |          |          |
|--------|----------|------------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2305822 | F 919.0946 | F 38.12328 | 3.027350 | .1337613 | -.023669 |
| Stddev | .0013361 | 4.0811     | .17398     | .017926  | .0010523 | .000144  |
| %RSD   | .5794491 | .4440320   | .4563563   | .5921331 | .7867043 | .6077612 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2298961 | 916.4633 | 37.99941 | 3.047090 | .1331448 | -.023518 |
| #2 | .2321220 | 923.7959 | 38.32218 | 3.022873 | .1331628 | -.023804 |
| #3 | .2297285 | 917.0246 | 38.04824 | 3.012086 | .1349764 | -.023685 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.582338 | 1.191918 | .2143385 | 2.737885 | 1.947334 | -2.57847 |
| Stddev | .046681  | .004519  | .0058998 | .015720  | .004644  | .00868   |
| %RSD   | 1.303098 | .3791432 | 2.752588 | .5741787 | .2384556 | .3366216 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.589865 | 1.194536 | .2145602 | 2.747516 | 1.942006 | -2.57904 |
| #2 | 3.532350 | 1.186700 | .2083308 | 2.719744 | 1.949479 | -2.58686 |
| #3 | 3.624798 | 1.194517 | .2201243 | 2.746395 | 1.950518 | -2.56953 |



Sample Name: I3268-13      Acquired: 5/23/2017 13:22:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC68      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0190601 | .9864097 | 2.010171 | .0187835 | .5541238 | .0236169 |
| Stddev | .0003396 | .0252324 | .013592  | .0004120 | .0020621 | .0004595 |
| %RSD   | 1.781823 | 2.558000 | .6761641 | 2.193473 | .3721323 | 1.945782 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0194463 | 1.001548 | 2.013582 | .0189560 | .5556984 | .0231077 |
| #2 | .0188081 | 1.000400 | 2.021732 | .0190813 | .5548833 | .0237424 |
| #3 | .0189259 | .957281  | 1.995198 | .0183133 | .5517897 | .0240006 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0886511 |
| Stddev | .0001014 |
| %RSD   | .1144286 |

|    |          |
|----|----------|
| #1 | .0887489 |
| #2 | .0885463 |
| #3 | .0886581 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1769.260 | 2562.573 | 61868.76 | 6089.260 | 3201.054 |
| Stddev    | 16.818   | 5.259    | 117.20   | 29.895   | 9.009    |
| %RSD      | .9505712 | .2052373 | .1894352 | .4909405 | .2814232 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1758.518 | 2564.148 | 61733.76 | 6098.564 | 3201.513 |
| #2 | 1760.621 | 2566.864 | 61928.00 | 6055.820 | 3209.825 |
| #3 | 1788.642 | 2556.706 | 61944.51 | 6113.397 | 3191.825 |

Sample Name: I3268-14      Acquired: 5/23/2017 13:26:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC69      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1555834 | -.045856 | 1.820009 | -.081089 | .0090931 | 106.7215 | 2.198216 |
| Stddev | .0033634 | .001954  | .000716  | .002224  | .0008542 | .3961    | .007343  |
| %RSD   | 2.161794 | 4.260908 | .0393343 | 2.742365 | 9.393429 | .3711149 | .3340629 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1565861 | -.047183 | 1.820809 | -.082111 | .0086554 | 106.7659 | 2.197217 |
| #2 | .1518327 | -.046773 | 1.819428 | -.078538 | .0100774 | 107.0935 | 2.206007 |
| #3 | .1583314 | -.043613 | 1.819789 | -.082618 | .0085465 | 106.3052 | 2.191423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0173288 | .0284141 | 119.3868 | .4387384 | .2271917 | .7269627 | 414.7436 |
| Stddev | .0000878 | .0003439 | .1179    | .0003623 | .0013049 | .0049407 | 1.1633   |
| %RSD   | .5067587 | 1.210225 | .0987828 | .0825674 | .5743703 | .6796306 | .2804813 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0173662 | .0285899 | 119.3414 | .4386717 | .2260474 | .7249726 | 415.3992 |
| #2 | .0173918 | .0280178 | 119.5207 | .4391293 | .2269149 | .7325881 | 415.4312 |
| #3 | .0172285 | .0286345 | 119.2983 | .4384140 | .2286128 | .7233275 | 413.4005 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.09287 | 28.92647 | .1358540 | -.011445 | 2.854963 | .5085006 | 2.548663 |
| Stddev | .05590   | .11871   | .0003598 | .000418  | .039952  | .0051954 | .023346  |
| %RSD   | .2781973 | .4103802 | .2648260 | 3.653660 | 1.399391 | 1.021706 | .9160253 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.11293 | 29.04089 | .1360409 | -.011213 | 2.882879 | .5128906 | 2.547936 |
| #2 | 20.13597 | 28.93463 | .1360818 | -.011193 | 2.872812 | .5027647 | 2.525689 |
| #3 | 20.02971 | 28.80389 | .1354392 | -.011927 | 2.809198 | .5098465 | 2.572364 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.341550 | 6.770266 | -1.16626 | .0208543 | 14.95448 | 8.017235 | .0686858 |
| Stddev | .077331  | .014284  | .00526   | .0001381 | .08756   | .042051  | .0007114 |
| %RSD   | 1.053337 | .2109784 | .4506198 | .6624304 | .5854827 | .5245032 | 1.035654 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.354643 | 6.786440 | -1.16939 | .0208677 | 15.03097 | 8.010939 | .0695014 |
| #2 | 7.411499 | 6.759381 | -1.16919 | .0209852 | 14.85898 | 8.062079 | .0683626 |
| #3 | 7.258508 | 6.764977 | -1.16019 | .0207099 | 14.97349 | 7.978688 | .0681934 |

Sample Name: I3268-14      Acquired: 5/23/2017 13:26:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC69      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9131833 | .0910839 | .3942384 |
| Stddev | .0045045 | .0006050 | .0016166 |
| %RSD   | .4932748 | .6641700 | .4100510 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9148673 | .0909752 | .3944011 |
| #2 | .9166031 | .0917358 | .3957675 |
| #3 | .9080794 | .0905406 | .3925466 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1721.751 | 2479.313 | 60791.81 | 6051.794 | 3096.022 |
| Stddev    | 7.591    | 6.430    | 266.89   | 36.512   | 4.208    |
| %RSD      | .4408604 | .2593323 | .4390217 | .6033217 | .1359284 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1716.975 | 2475.235 | 60517.97 | 6038.564 | 3098.736 |
| #2 | 1730.504 | 2486.725 | 61051.16 | 6023.742 | 3098.156 |
| #3 | 1717.775 | 2475.980 | 60806.28 | 6093.077 | 3091.174 |

Sample Name: I3268-15      Acquired: 5/23/2017 13:30:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1902937 | -.032698 | 2.470495 | -.066090 | .0116519 | 105.6450 | 3.332586 |
| Stddev | .0023176 | .001393  | .012678  | .003036  | .0023273 | .1464    | .005813  |
| %RSD   | 1.217919 | 4.260250 | .5131610 | 4.593307 | 19.97316 | .1386056 | .1744152 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1877512 | -.031124 | 2.470051 | -.064798 | .0133430 | 105.7352 | 3.336536 |
| #2 | .1922881 | -.033769 | 2.458046 | -.063914 | .0126151 | 105.4761 | 3.325912 |
| #3 | .1908419 | -.033203 | 2.483389 | -.069558 | .0089977 | 105.7238 | 3.335311 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0177522 | .0276209 | 65.03741 | .4543876 | .1712431 | .8160651 | 350.9416 |
| Stddev | .0000982 | .0003065 | .42407   | .0023009 | .0015607 | .0032116 | 1.4194   |
| %RSD   | .5531521 | 1.109687 | .6520346 | .5063747 | .9114099 | .3935443 | .4044406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0178436 | .0275684 | 65.50115 | .4522387 | .1711978 | .8179821 | 352.5786 |
| #2 | .0177646 | .0273440 | 64.94168 | .4568151 | .1697055 | .8123574 | 350.1913 |
| #3 | .0176484 | .0279503 | 64.66938 | .4541088 | .1728259 | .8178557 | 350.0547 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.95960 | 7.887967 | .1530765 | -.006827 | 2.298072 | .5340796 | 3.316668 |
| Stddev | .06714   | .012881  | .0011552 | .000459  | .033106  | .0024938 | .009293  |
| %RSD   | .3203289 | .1632985 | .7546256 | 6.717242 | 1.440615 | .4669307 | .2802018 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.03472 | 7.873185 | .1528772 | -.006731 | 2.334698 | .5321687 | 3.317858 |
| #2 | 20.90544 | 7.896786 | .1520340 | -.006424 | 2.289243 | .5331696 | 3.306837 |
| #3 | 20.93863 | 7.893929 | .1543183 | -.007326 | 2.270275 | .5369006 | 3.325308 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.022069 | 12.55087 | -.968616 | .0319970 | 9.538011 | 3.459689 | .1413735 |
| Stddev | .029797  | .11658   | .001829  | .0005755 | .066710  | .018375  | .0004278 |
| %RSD   | .4243293 | .9288370 | .1888646 | 1.798540 | .6994080 | .5311101 | .3025776 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.035100 | 12.43428 | -.969964 | .0315017 | 9.503045 | 3.471481 | .1416335 |
| #2 | 6.987977 | 12.55092 | -.969352 | .0318610 | 9.496053 | 3.469068 | .1408798 |
| #3 | 7.043131 | 12.66743 | -.966534 | .0326283 | 9.614935 | 3.438517 | .1416071 |

Sample Name: I3268-15      Acquired: 5/23/2017 13:30:51      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC70      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.335633 | .1773610 | .8911662 |
| Stddev | .004798  | .0004193 | .0023301 |
| %RSD   | .3592041 | .2364392 | .2614669 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.337821 | .1770835 | .8938158 |
| #2 | 1.338947 | .1771561 | .8894360 |
| #3 | 1.330132 | .1778434 | .8902470 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1808.454 | 2606.115 | 63562.14 | 6259.671 | 3198.697 |
| Stddev    | 14.793   | 14.256   | 275.03   | 20.076   | 14.003   |
| %RSD      | .8180030 | .5470395 | .4326886 | .3207178 | .4377804 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1823.811 | 2619.367 | 63860.69 | 6236.617 | 3205.191 |
| #2 | 1807.251 | 2607.946 | 63506.63 | 6269.095 | 3208.275 |
| #3 | 1794.298 | 2591.031 | 63319.11 | 6273.301 | 3182.626 |

Sample Name: I3268-16      Acquired: 5/23/2017 13:34:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1859611 | -.031413 | 2.442350 | -.064948 | .0127671 | 104.5525 | 3.282651 |
| Stddev | .0025698 | .000714  | .008206  | .002647  | .0019445 | .2976    | .014952  |
| %RSD   | 1.381878 | 2.273937 | .3359788 | 4.075323 | 15.23058 | .2846666 | .4554909 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1872145 | -.031260 | 2.432981 | -.066270 | .0143282 | 104.8535 | 3.299203 |
| #2 | .1876637 | -.032192 | 2.448260 | -.061900 | .0105890 | 104.5456 | 3.278626 |
| #3 | .1830052 | -.030788 | 2.445809 | -.066672 | .0133842 | 104.2584 | 3.270123 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0174285 | .0268781 | 63.46829 | .4505380 | .1690330 | .8065662 | 344.4332 |
| Stddev | .0000208 | .0000759 | .23944   | .0009574 | .0003057 | .0021106 | 1.3886   |
| %RSD   | .1191210 | .2824024 | .3772584 | .2125123 | .1808257 | .2616824 | .4031675 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0174175 | .0269442 | 63.19190 | .4494360 | .1687029 | .8087072 | 343.5019 |
| #2 | .0174154 | .0268949 | 63.61250 | .4510130 | .1690900 | .8065041 | 343.7684 |
| #3 | .0174524 | .0267952 | 63.60048 | .4511651 | .1693062 | .8044873 | 346.0292 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.60312 | 7.761763 | .1511111 | -.006735 | 2.277222 | .5260178 | 3.293814 |
| Stddev | .04040   | .083810  | .0002488 | .000183  | .112386  | .0088410 | .012855  |
| %RSD   | .1960728 | 1.079784 | .1646181 | 2.716101 | 4.935212 | 1.680733 | .3902795 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.56839 | 7.666800 | .1508332 | -.006659 | 2.402174 | .5227929 | 3.292610 |
| #2 | 20.59353 | 7.825391 | .1511872 | -.006602 | 2.245090 | .5192420 | 3.281603 |
| #3 | 20.64746 | 7.793097 | .1513129 | -.006944 | 2.184402 | .5360185 | 3.307229 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.904202 | 12.42646 | -.947234 | .0315425 | 9.457992 | 3.372441 | .1422639 |
| Stddev | .058929  | .04017   | .001291  | .0004343 | .057375  | .007286  | .0017090 |
| %RSD   | .8535302 | .3232835 | .1362511 | 1.376847 | .6066347 | .2160374 | 1.201278 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.971868 | 12.38017 | -.948669 | .0318284 | 9.399399 | 3.364031 | .1441991 |
| #2 | 6.876588 | 12.45220 | -.946866 | .0310427 | 9.460508 | 3.376832 | .1409616 |
| #3 | 6.864149 | 12.44701 | -.946168 | .0317563 | 9.514068 | 3.376460 | .1416311 |

Sample Name: I3268-16      Acquired: 5/23/2017 13:34:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.317661 | .1757171 | .8745191 |
| Stddev | .003971  | .0009244 | .0012521 |
| %RSD   | .3013554 | .5261020 | .1431736 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.320283 | .1767702 | .8758712 |
| #2 | 1.313093 | .1753416 | .8742864 |
| #3 | 1.319608 | .1750395 | .8733997 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1824.129 | 2641.220 | 64215.07 | 6374.670 | 3252.180 |
| Stddev    | 14.783   | 15.549   | 180.84   | 8.682    | 8.914    |
| %RSD      | .8104266 | .5887028 | .2816214 | .1361905 | .2740909 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1807.082 | 2623.627 | 64140.38 | 6383.466 | 3242.289 |
| #2 | 1831.889 | 2653.123 | 64421.30 | 6374.437 | 3259.592 |
| #3 | 1833.416 | 2646.908 | 64083.54 | 6366.107 | 3254.660 |

Sample Name: I3268-17      Acquired: 5/23/2017 13:38:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2478713 | .0809481 | 1.762707 | -.009959 | .0702395 | 108.6278 | 6.330889 |
| Stddev | .0071765 | .0014230 | .004807  | .004976  | .0006868 | .1758    | .021028  |
| %RSD   | 2.895256 | 1.757865 | .2726827 | 49.96867 | .9777915 | .1618575 | .3321563 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2453337 | .0795878 | 1.764869 | -.009378 | .0694519 | 108.5414 | 6.311234 |
| #2 | .2423084 | .0824264 | 1.766053 | -.015199 | .0707140 | 108.8301 | 6.353064 |
| #3 | .2559719 | .0808302 | 1.757199 | -.005298 | .0705525 | 108.5119 | 6.328370 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1073040 | .1229043 | 54.50867 | .9765674 | 1.152504 | 1.093097 | 430.1782 |
| Stddev | .0000875 | .0003434 | .12864   | .0042416 | .000772  | .009867  | 1.4816   |
| %RSD   | .0815415 | .2794256 | .2359927 | .4343382 | .0670239 | .9026628 | .3444089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1073590 | .1227600 | 54.45429 | .9720791 | 1.151899 | 1.089943 | 431.8832 |
| #2 | .1073500 | .1232964 | 54.65556 | .9805093 | 1.153374 | 1.104156 | 429.4476 |
| #3 | .1072031 | .1226566 | 54.41615 | .9771139 | 1.152239 | 1.085193 | 429.2039 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.74891 | 9.176268 | 1.102400 | .0265104 | 2.464264 | 1.574827 | 3.367580 |
| Stddev | .05896   | .095805  | .003181  | .0002836 | .050709  | .003304  | .022978  |
| %RSD   | .2985527 | 1.044055 | .2885529 | 1.069937 | 2.057766 | .2097748 | .6823191 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.81458 | 9.145841 | 1.105168 | .0268345 | 2.430944 | 1.578122 | 3.394009 |
| #2 | 19.73164 | 9.099372 | 1.103108 | .0263071 | 2.439227 | 1.571515 | 3.352334 |
| #3 | 19.70051 | 9.283592 | 1.098925 | .0263898 | 2.522622 | 1.574844 | 3.356399 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.842868 | 10.58530 | -1.20397 | .0331045 | 7.028088 | 3.026888 | .1793531 |
| Stddev | .012646  | .04307   | .00807   | .0005476 | .010661  | .016488  | .0006165 |
| %RSD   | .2164387 | .4068942 | .6704248 | 1.654116 | .1516939 | .5447139 | .3437082 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.850050 | 10.61824 | -1.20414 | .0330458 | 7.040270 | 3.037798 | .1800576 |
| #2 | 5.828266 | 10.60109 | -1.21196 | .0336791 | 7.020461 | 3.034944 | .1790888 |
| #3 | 5.850288 | 10.53656 | -1.19582 | .0325886 | 7.023533 | 3.007921 | .1789128 |



Sample Name: I3268-17      Acquired: 5/23/2017 13:38:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.236278 | .1672110 | .7094812 |
| Stddev | .005227  | .0002908 | .0028317 |
| %RSD   | .4228035 | .1739264 | .3991173 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.231710 | .1669869 | .7089503 |
| #2 | 1.235146 | .1675397 | .7125407 |
| #3 | 1.241978 | .1671066 | .7069525 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1832.989 | 2630.245 | 63863.00 | 6293.445 | 3257.254 |
| Stddev    | 11.303   | 17.896   | 212.85   | 28.296   | 10.493   |
| %RSD      | .6166209 | .6803959 | .3332940 | .4496111 | .3221382 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1825.370 | 2628.811 | 63709.58 | 6265.382 | 3252.722 |
| #2 | 1827.623 | 2648.815 | 63773.41 | 6292.987 | 3269.252 |
| #3 | 1845.976 | 2613.109 | 64106.00 | 6321.968 | 3249.790 |

Sample Name: I3268-15LX5      Acquired: 5/23/2017 13:42:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0449139 | -.007351 | .5080645 | -.014576 | .0018551 | 22.80284 | .7045516 |
| Stddev | .0031784 | .001727  | .0007014 | .002608  | .0003649 | .12622   | .0038865 |
| %RSD   | 7.076609 | 23.49068 | .1380584 | 17.89395 | 19.66782 | .5535078 | .5516218 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0418743 | -.009141 | .5083071 | -.011615 | .0018198 | 22.87504 | .7058780 |
| #2 | .0482149 | -.007216 | .5072740 | -.015579 | .0022363 | 22.87638 | .7076012 |
| #3 | .0446525 | -.005695 | .5086124 | -.016534 | .0015092 | 22.65710 | .7001756 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040306 | .0046677 | 14.29782 | .1044837 | .0327238 | .1781070 | 78.61051 |
| Stddev | .0000767 | .0001112 | .02739   | .0007352 | .0000659 | .0020178 | .31847   |
| %RSD   | 1.904028 | 2.382127 | .1915686 | .7036550 | .2012952 | 1.132892 | .4051224 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0041141 | .0047819 | 14.32837 | .1041696 | .0327441 | .1804127 | 78.85946 |
| #2 | .0040145 | .0045598 | 14.27545 | .1039578 | .0326502 | .1772441 | 78.72043 |
| #3 | .0039632 | .0046613 | 14.28965 | .1053238 | .0327772 | .1766641 | 78.25164 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.642170 | 1.738933 | .0300273 | -.001286 | .2666417 | .1161694 | .7180400 |
| Stddev | .007569  | .022968  | .0002255 | .000296  | .1867284 | .0028827 | .0287417 |
| %RSD   | .1630512 | 1.320786 | .7508302 | 22.98001 | 70.02971 | 2.481459 | 4.002800 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.644677 | 1.724122 | .0300836 | -.000945 | .4816159 | .1137072 | .7383655 |
| #2 | 4.648167 | 1.727285 | .0297790 | -.001474 | .1447641 | .1154605 | .7305981 |
| #3 | 4.633665 | 1.765390 | .0302193 | -.001439 | .1735452 | .1193404 | .6851563 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.361793 | 2.409666 | -.222647 | .0069703 | 1.833761 | .7892010 | .0279478 |
| Stddev | .015362  | .003815  | .001073  | .0005659 | .014411  | .0050652 | .0010531 |
| %RSD   | 1.128072 | .1583197 | .4821105 | 8.117922 | .7858710 | .6418128 | 3.768171 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.347548 | 2.409479 | -.222693 | .0067079 | 1.836759 | .7949686 | .0285923 |
| #2 | 1.378070 | 2.405949 | -.221551 | .0076197 | 1.818087 | .7854763 | .0267325 |
| #3 | 1.359761 | 2.413572 | -.223696 | .0065834 | 1.846438 | .7871580 | .0285186 |

Sample Name: I3268-15LX5      Acquired: 5/23/2017 13:42:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC70L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2936044 | .0362358 | .1943708 |
| Stddev | .0024058 | .0004661 | .0010387 |
| %RSD   | .8194019 | 1.286415 | .5343687 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2958169 | .0367544 | .1948594 |
| #2 | .2910433 | .0361014 | .1950751 |
| #3 | .2939531 | .0358516 | .1931780 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1753.916 | 2549.721 | 59869.32 | 5685.986 | 3709.770 |
| Stddev    | 6.706    | 11.123   | 104.70   | 20.110   | 8.141    |
| %RSD      | .3823514 | .4362320 | .1748793 | .3536764 | .2194442 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1761.624 | 2547.954 | 59990.02 | 5667.305 | 3712.452 |
| #2 | 1749.425 | 2539.588 | 59814.98 | 5683.383 | 3700.626 |
| #3 | 1750.698 | 2561.622 | 59802.98 | 5707.271 | 3716.231 |

Sample Name: CCV034      Acquired: 5/23/2017 13:46:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV11136      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.771836 | 4.723338 | 23.84378 | 4.688067 | 4.785754 | 402.1890 |
| Stddev | .024320  | .004608  | .01781   | .025937  | .024171  | 1.2640   |
| %RSD   | .5096518 | .0975532 | .0747151 | .5532591 | .5050716 | .3142847 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.778422 | 4.728437 | 23.85353 | 4.693749 | 4.801192 | 402.9716 |
| #2 | 4.744902 | 4.722103 | 23.82322 | 4.659759 | 4.757898 | 402.8647 |
| #3 | 4.792185 | 4.719473 | 23.85460 | 4.710691 | 4.798172 | 400.7308 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.06666 | .5278131 | 2.478871 | 403.0606 | 14.82521 | 2.478474 |
| Stddev | .01763   | .0038229 | .002237  | 1.0875   | .09128   | .003146  |
| %RSD   | .1750860 | .7243004 | .0902628 | .2697992 | .6157232 | .1269146 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.07474 | .5267525 | 2.480709 | 401.9344 | 14.83735 | 2.479161 |
| #2 | 10.07879 | .5320544 | 2.479525 | 403.1427 | 14.90982 | 2.475041 |
| #3 | 10.04644 | .5246325 | 2.476380 | 404.1046 | 14.72846 | 2.481219 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.46502 | 417.2268 | 15.71199 | 427.9257 | 2.383243 | 1.226798 |
| Stddev | .03124   | 1.6272   | .06402   | 2.3631   | .002557  | .002787  |
| %RSD   | .2020024 | .3900117 | .4074304 | .5522334 | .1073007 | .2271501 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.47910 | 417.9477 | 15.71637 | 429.6916 | 2.385427 | 1.229215 |
| #2 | 15.48675 | 418.3690 | 15.77371 | 428.8442 | 2.383874 | 1.227429 |
| #3 | 15.42922 | 415.3636 | 15.64590 | 425.2412 | 2.380430 | 1.223750 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 412.5927 | 2.499861 | 14.11337 | 160.0266 | 5.152884 | F 4.410152 |
| Stddev | 1.7699   | .004267  | .19640   | .8800    | .008891  | .027862    |
| %RSD   | .4289721 | .1707086 | 1.391553 | .5498893 | .1725350 | .6317688   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 413.8502 | 2.502650 | 14.14025 | 160.2193 | 5.144331 | 4.406808 |
| #2 | 413.3591 | 2.501985 | 13.90492 | 160.7943 | 5.162077 | 4.439535 |
| #3 | 410.5687 | 2.494949 | 14.29494 | 159.0663 | 5.152244 | 4.384113 |

Sample Name: CCV034      Acquired: 5/23/2017 13:46:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV11136      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.587768 | 4.785019 | 5.352419 | 4.802441 | 5.173506 | 5.270041 |
| Stddev | .015498  | .024260  | .022326  | .009719  | .006104  | .022858  |
| %RSD   | .3378079 | .5069944 | .4171236 | .2023818 | .1179792 | .4337372 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.594775 | 4.793325 | 5.356284 | 4.805391 | 5.179090 | 5.277256 |
| #2 | 4.570004 | 4.804035 | 5.372560 | 4.810343 | 5.174439 | 5.288421 |
| #3 | 4.598525 | 4.757697 | 5.328412 | 4.791588 | 5.166990 | 5.244446 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.207124 |
| Stddev | .012869  |
| %RSD   | .2471439 |

|    |          |
|----|----------|
| #1 | 5.205557 |
| #2 | 5.220704 |
| #3 | 5.195110 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1405.440 | 2045.396 | 49213.45 | 5031.449 | 2550.714 |
| Stddev    | 12.606   | 11.295   | 102.79   | 13.886   | 6.057    |
| %RSD      | .8969527 | .5522041 | .2088664 | .2759744 | .2374815 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1402.370 | 2046.335 | 49206.26 | 5032.535 | 2553.404 |
| #2 | 1419.297 | 2056.192 | 49319.64 | 5017.053 | 2554.961 |
| #3 | 1394.651 | 2033.661 | 49114.44 | 5044.760 | 2543.778 |

Sample Name: CCB034      Acquired: 5/23/2017 13:50:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0002714 | .0005423 | .0007621 | -.000063 | -.000928 | .0229194 | -.004671 |
| Stddev | .0023759 | .0004584 | .0013299 | .000551  | .000554  | .0051380 | .000633  |
| %RSD   | 875.4440 | 84.53709 | 174.5147 | 868.2075 | 59.67991 | 22.41756 | 13.54135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027632 | .0009945 | .0010780 | -.000081 | -.001507 | .0281880 | -.004872 |
| #2 | -.001969 | .0000778 | -.000697 | -.000605 | -.000402 | .0179229 | -.005179 |
| #3 | .000020  | .0005546 | .001905  | .000496  | -.000876 | .0226471 | -.003963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000011 | -.000007 | -.004072 | .0003145 | .0002140 | .0020433 | .0181627 |
| Stddev | .0000394 | .000062  | .012135  | .0000944 | .0001499 | .0011986 | .0024345 |
| %RSD   | 3540.851 | 943.9954 | 298.0004 | 30.01730 | 70.02961 | 58.65955 | 13.40404 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000466 | -.000024 | .009940  | .0003254 | .0000979 | .0033238 | .0202672 |
| #2 | -.000022 | .000062  | -.011147 | .0002151 | .0003831 | .0009483 | .0187244 |
| #3 | -.000021 | -.000058 | -.011009 | .0004030 | .0001609 | .0018577 | .0154964 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006872 | .0122195 | -.000147 | .0006751 | -.249228 | -.000207 | .0184759 |
| Stddev | .0008374 | .0284389 | .000144  | .0003846 | .048056  | .002997  | .0043825 |
| %RSD   | 121.8470 | 232.7328 | 98.07578 | 56.96572 | 19.28211 | 1445.920 | 23.72011 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000269 | -.014553 | -.000313 | .0007982 | -.284434 | -.003004 | .0233959 |
| #2 | .001040  | .009138  | -.000069 | .0009831 | -.194479 | -.000576 | .0149905 |
| #3 | .001290  | .042074  | -.000058 | .0002441 | -.268771 | .002957  | .0170413 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.064060 | -.001593 | .0009583 | .0003647 | .0006010 | -.011205 | -.000418 |
| Stddev | .013444  | .001190  | .0007007 | .0001679 | .0068534 | .000171  | .000217  |
| %RSD   | 20.98587 | 74.68637 | 73.12333 | 46.03244 | 1140.285 | 1.526887 | 51.87372 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.060726 | -.000767 | .0017673 | .0005386 | -.000855 | -.011403 | -.000497 |
| #2 | -.052598 | -.001055 | .0005678 | .0002037 | -.005407 | -.011110 | -.000173 |
| #3 | -.078858 | -.002956 | .0005398 | .0003517 | .008066  | -.011103 | -.000584 |

Sample Name: CCB034      Acquired: 5/23/2017 13:50:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0010815 | .0001069 | .0001140 |
| Stddev | .0005016 | .0004380 | .0000932 |
| %RSD   | 46.37560 | 409.6600 | 81.77355 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0016501 | -.000126 | .0002076 |
| #2 | .0007018 | .000612  | .0001130 |
| #3 | .0008927 | -.000165 | .0000212 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1743.000 | 2489.379 | 58881.70 | 5488.690 | 3958.889 |
| Stddev    | 12.045   | 2.952    | 290.43   | 30.303   | 1.854    |
| %RSD      | .6910290 | .1185657 | .4932385 | .5521012 | .0468188 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1729.200 | 2486.102 | 58567.09 | 5489.900 | 3961.017 |
| #2 | 1751.398 | 2490.208 | 58938.44 | 5518.370 | 3958.022 |
| #3 | 1748.403 | 2491.828 | 59139.58 | 5457.800 | 3957.628 |

Sample Name: I3268-18      Acquired: 5/23/2017 13:54:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC71      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1330596 | -.024948 | 1.228289 | -.056473 | .0087481 | 114.1098 | 2.232924 |
| Stddev | .0068727 | .000899  | .002506  | .000496  | .0008238 | .4224    | .010953  |
| %RSD   | 5.165097 | 3.601947 | .2040370 | .8788400 | 9.417572 | .3701278 | .4905363 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1251363 | -.025777 | 1.229831 | -.056696 | .0078595 | 114.3178 | 2.236790 |
| #2 | .1366343 | -.023993 | 1.225397 | -.055904 | .0094867 | 114.3878 | 2.241420 |
| #3 | .1374081 | -.025074 | 1.229638 | -.056818 | .0088979 | 113.6238 | 2.220562 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0142105 | .0205023 | 75.94277 | .3941461 | .1538130 | .5836894 | 304.2484 |
| Stddev | .0000656 | .0001430 | .18190   | .0020051 | .0003134 | .0027993 | .7283    |
| %RSD   | .4618713 | .6975839 | .2395223 | .5087085 | .2037394 | .4795816 | .2393671 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0142559 | .0205984 | 76.09581 | .3926457 | .1534683 | .5853117 | 305.0297 |
| #2 | .0142403 | .0203379 | 75.99084 | .3964233 | .1538902 | .5852994 | 304.1272 |
| #3 | .0141352 | .0205705 | 75.74166 | .3933692 | .1540807 | .5804571 | 303.5883 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.96391 | 12.88279 | .1182988 | -.005946 | 2.355540 | .5285182 | 2.592436 |
| Stddev | .03190   | .06398   | .0003312 | .000050  | .053968  | .0088394 | .035409  |
| %RSD   | .1880431 | .4966388 | .2799698 | .8334727 | 2.291122 | 1.672490 | 1.365842 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.99507 | 12.95303 | .1182616 | -.005907 | 2.366707 | .5377840 | 2.591301 |
| #2 | 16.96533 | 12.86751 | .1186470 | -.005929 | 2.296862 | .5275925 | 2.557609 |
| #3 | 16.93131 | 12.82783 | .1179878 | -.006002 | 2.403051 | .5201780 | 2.628398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.626113 | 9.740600 | -.841415 | .0227842 | 7.667004 | 4.435510 | .0483956 |
| Stddev | .059793  | .010321  | .006321  | .0001807 | .038088  | .022716  | .0017179 |
| %RSD   | .9023833 | .1059546 | .7512588 | .7928613 | .4967782 | .5121291 | 3.549696 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.675746 | 9.743410 | -.839442 | .0226882 | 7.689061 | 4.441986 | .0483142 |
| #2 | 6.642862 | 9.749224 | -.848487 | .0229926 | 7.623024 | 4.454284 | .0467199 |
| #3 | 6.559732 | 9.729165 | -.836316 | .0226718 | 7.688928 | 4.410260 | .0501528 |



Sample Name: I3268-18      Acquired: 5/23/2017 13:54:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC71      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.668871 | .1223639 | .8794238 |
| Stddev | .005582  | .0002159 | .0046136 |
| %RSD   | .3344501 | .1764094 | .5246156 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.675268 | .1225038 | .8819168 |
| #2 | 1.666349 | .1221153 | .8822546 |
| #3 | 1.664995 | .1224725 | .8741001 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1768.591 | 2547.437 | 61610.23 | 6056.652 | 3258.876 |
| Stddev    | 11.934   | 2.395    | 64.28    | 31.214   | 10.004   |
| %RSD      | .6747735 | .0940191 | .1043395 | .5153728 | .3069621 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1758.754 | 2545.544 | 61609.14 | 6044.052 | 3251.575 |
| #2 | 1781.867 | 2550.130 | 61675.06 | 6033.706 | 3270.279 |
| #3 | 1765.152 | 2546.639 | 61546.50 | 6092.197 | 3254.775 |

Sample Name: I3268-19      Acquired: 5/23/2017 13:58:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC72      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1775873 | -.019650 | .8390653 | -.045606 | .0089012 | 106.2891 | 2.400979 |
| Stddev | .0021522 | .001594  | .0031754 | .004478  | .0007305 | .0954    | .007756  |
| %RSD   | 1.211899 | 8.113137 | .3784410 | 9.819515 | 8.206120 | .0897527 | .3230372 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1751458 | -.020294 | .8417761 | -.044157 | .0086018 | 106.3635 | 2.403634 |
| #2 | .1784066 | -.020821 | .8398479 | -.042031 | .0083681 | 106.3223 | 2.407059 |
| #3 | .1792095 | -.017834 | .8355718 | -.050629 | .0097338 | 106.1816 | 2.392244 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0148979 | .0151364 | 45.00483 | .2869721 | .1440676 | .5098704 | 256.5694 |
| Stddev | .0001038 | .0003103 | .18661   | .0011878 | .0006411 | .0008680 | 1.1389   |
| %RSD   | .6964677 | 2.049761 | .4146454 | .4139184 | .4449727 | .1702456 | .4439105 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0150167 | .0154385 | 44.81092 | .2878110 | .1445952 | .5108075 | 256.2187 |
| #2 | .0148519 | .0151523 | 45.02039 | .2856129 | .1442536 | .5090938 | 255.6472 |
| #3 | .0148251 | .0148186 | 45.18317 | .2874926 | .1433542 | .5097101 | 257.8425 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.166476 | 6.547849 | .1451059 | -.005992 | 2.249629 | .4368783 | 1.447843 |
| Stddev | .048921  | .066728  | .0010111 | .000283  | .160872  | .0027590 | .016516  |
| %RSD   | .5336969 | 1.019079 | .6967664 | 4.720285 | 7.151050 | .6315318 | 1.140699 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.163783 | 6.474400 | .1462707 | -.006318 | 2.434479 | .4339251 | 1.439380 |
| #2 | 9.118957 | 6.564415 | .1445922 | -.005842 | 2.173094 | .4373199 | 1.466875 |
| #3 | 9.216688 | 6.604734 | .1444548 | -.005815 | 2.141313 | .4393898 | 1.437274 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.224072 | 8.821912 | -.691634 | .0275858 | 10.73128 | 2.574599 | .1406884 |
| Stddev | .031083  | .052544  | .008347  | .0001937 | .08315   | .022339  | .0006232 |
| %RSD   | .4993934 | .5956066 | 1.206803 | .7023470 | .7748297 | .8676521 | .4429437 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.256982 | 8.880807 | -.682175 | .0275588 | 10.82523 | 2.565992 | .1412863 |
| #2 | 6.195213 | 8.805088 | -.694765 | .0277917 | 10.66717 | 2.557845 | .1400427 |
| #3 | 6.220022 | 8.779840 | -.697963 | .0274071 | 10.70143 | 2.599961 | .1407362 |

Sample Name: I3268-19      Acquired: 5/23/2017 13:58:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC72      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.030414 | .0807183 | 1.048431 |
| Stddev | .005493  | .0003306 | .000786  |
| %RSD   | .5330759 | .4096327 | .0750168 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.034311 | .0810961 | 1.047693 |
| #2 | 1.032799 | .0804817 | 1.048340 |
| #3 | 1.024132 | .0805773 | 1.049259 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1784.605 | 2538.475 | 62588.60 | 6131.730 | 3322.023 |
| Stddev    | 12.197   | 7.809    | 142.03   | 28.146   | 7.905    |
| %RSD      | .6834450 | .3076373 | .2269230 | .4590171 | .2379554 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1793.858 | 2539.008 | 62727.03 | 6150.700 | 3313.283 |
| #2 | 1789.175 | 2530.413 | 62595.52 | 6145.098 | 3324.112 |
| #3 | 1770.784 | 2546.004 | 62443.23 | 6099.391 | 3328.674 |

Sample Name: I3268-20      Acquired: 5/23/2017 14:02:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2663826 | -.046634 | 3.344498 | -.082221 | .0227398 | 96.57543 | 5.391015 |
| Stddev | .0027936 | .001151  | .011675  | .003845  | .0018508 | .22364   | .011214  |
| %RSD   | 1.048724 | 2.469078 | .3490698 | 4.676977 | 8.139038 | .2315722 | .2080155 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2632581 | -.047449 | 3.337756 | -.086562 | .0247866 | 96.83268 | 5.400514 |
| #2 | .2672502 | -.047136 | 3.337759 | -.079242 | .0222485 | 96.46633 | 5.378645 |
| #3 | .2686395 | -.045317 | 3.357979 | -.080858 | .0211842 | 96.42727 | 5.393887 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0198026 | .0462443 | 83.27923 | .3971096 | .1589273 | 1.614393 | 440.9407 |
| Stddev | .0000839 | .0002037 | .22338   | .0018426 | .0008065 | .007984  | 2.3404   |
| %RSD   | .4238275 | .4404266 | .2682300 | .4639916 | .5074936 | .4945519 | .5307690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0197121 | .0461295 | 83.25842 | .3970822 | .1579967 | 1.622452 | 442.8860 |
| #2 | .0198778 | .0461240 | 83.51228 | .3989658 | .1594246 | 1.606487 | 441.5925 |
| #3 | .0198178 | .0464795 | 83.06698 | .3952810 | .1593606 | 1.614240 | 438.3435 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.75772 | 9.257354 | .3578063 | -.010566 | 3.639165 | .4487180 | 6.858263 |
| Stddev | .06812   | .054694  | .0009514 | .000281  | .099951  | .0025065 | .022396  |
| %RSD   | .6332320 | .5908180 | .2659132 | 2.658441 | 2.746536 | .5585968 | .3265583 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.80850 | 9.233175 | .3578068 | -.010243 | 3.550264 | .4515987 | 6.862757 |
| #2 | 10.78436 | 9.319971 | .3568546 | -.010747 | 3.619876 | .4475204 | 6.833961 |
| #3 | 10.68031 | 9.218917 | .3587575 | -.010709 | 3.747355 | .4470349 | 6.878072 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.424067 | 25.10944 | -1.12416 | .0469821 | 29.55196 | 2.988153 | .3784560 |
| Stddev | .025927  | .13494   | .00969   | .0004631 | .16959   | .007655  | .0008098 |
| %RSD   | .2751167 | .5374239 | .8615904 | .9856100 | .5738572 | .2561648 | .2139763 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.409107 | 25.08672 | -1.13361 | .0464532 | 29.47017 | 2.993594 | .3776043 |
| #2 | 9.454005 | 24.98729 | -1.12460 | .0473143 | 29.43876 | 2.991465 | .3785475 |
| #3 | 9.409088 | 25.25430 | -1.11426 | .0471789 | 29.74693 | 2.979400 | .3792162 |

Sample Name: I3268-20      Acquired: 5/23/2017 14:02:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.048713 | .1578252 | 1.833695 |
| Stddev | .008680  | .0001518 | .003864  |
| %RSD   | .4236570 | .0961653 | .2107020 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.051421 | .1579137 | 1.838115 |
| #2 | 2.055716 | .1576500 | 1.832010 |
| #3 | 2.039003 | .1579120 | 1.830960 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1779.536 | 2556.159 | 63469.98 | 6346.186 | 3189.748 |
| Stddev    | 3.533    | 6.516    | 121.32   | 26.068   | 7.618    |
| %RSD      | .1985233 | .2549297 | .1911498 | .4107707 | .2388132 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1775.744 | 2563.333 | 63337.94 | 6320.713 | 3197.399 |
| #2 | 1780.130 | 2550.606 | 63576.54 | 6345.034 | 3189.681 |
| #3 | 1782.735 | 2554.537 | 63495.46 | 6372.812 | 3182.164 |

Sample Name: I3268-21      Acquired: 5/23/2017 14:06:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC74      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2853625 | -.034679 | 3.759222 | -.072441 | .0155584 | 104.4842 | 6.191800 |
| Stddev | .0032995 | .002233  | .003242  | .002331  | .0017964 | .4308    | .024511  |
| %RSD   | 1.156264 | 6.439690 | .0862528 | 3.217454 | 11.54591 | .4122680 | .3958625 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2842146 | -.032481 | 3.762047 | -.071569 | .0157400 | 104.4601 | 6.185301 |
| #2 | .2827902 | -.036946 | 3.755681 | -.070673 | .0136782 | 104.9265 | 6.218906 |
| #3 | .2890827 | -.034609 | 3.759937 | -.075083 | .0172571 | 104.0660 | 6.171194 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0207441 | .0433201 | 99.98968 | .3387157 | .1603435 | 1.726743 | 382.2051 |
| Stddev | .0001226 | .0001645 | .09523   | .0025032 | .0009333 | .015111  | 1.8160   |
| %RSD   | .5911683 | .3798471 | .0952378 | .7390406 | .5820404 | .8751287 | .4751418 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0207935 | .0431369 | 100.0948 | .3396435 | .1610030 | 1.723050 | 380.9604 |
| #2 | .0206045 | .0433681 | 99.9650  | .3358810 | .1592756 | 1.743359 | 384.2889 |
| #3 | .0208343 | .0434553 | 99.9092  | .3406226 | .1607518 | 1.713821 | 381.3660 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.850328 | 12.46185 | .2775702 | -.007337 | 3.319323 | .4990286 | 7.392141 |
| Stddev | .042497  | .10734   | .0004791 | .000416  | .041176  | .0016255 | .056961  |
| %RSD   | .4314301 | .8613861 | .1726057 | 5.663229 | 1.240507 | .3257412 | .7705674 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.837295 | 12.34729 | .2780241 | -.007816 | 3.320096 | .4976023 | 7.444167 |
| #2 | 9.897815 | 12.56012 | .2770693 | -.007083 | 3.277766 | .4986851 | 7.400979 |
| #3 | 9.815873 | 12.47812 | .2776173 | -.007111 | 3.360108 | .5007984 | 7.331278 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.641822 | 25.69083 | -.914748 | .0358548 | 22.57621 | 3.872543 | .2157193 |
| Stddev | .042601  | .04294   | .010930  | .0002913 | .07347   | .034227  | .0004709 |
| %RSD   | .4418387 | .1671538 | 1.194854 | .8122912 | .3254231 | .8838260 | .2182928 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.627845 | 25.66610 | -.908594 | .0359457 | 22.65133 | 3.855539 | .2159844 |
| #2 | 9.689656 | 25.66598 | -.927367 | .0355289 | 22.50451 | 3.911942 | .2151756 |
| #3 | 9.607965 | 25.74042 | -.908282 | .0360897 | 22.57281 | 3.850149 | .2159979 |

Sample Name: I3268-21      Acquired: 5/23/2017 14:06:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC74      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.389747 | .1767703 | 2.284621 |
| Stddev | .009724  | .0006071 | .010917  |
| %RSD   | .4069203 | .3434119 | .4778258 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.389800 | .1768303 | 2.280040 |
| #2 | 2.399444 | .1773451 | 2.297081 |
| #3 | 2.379996 | .1761354 | 2.276741 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1805.239 | 2605.080 | 64277.85 | 6435.626 | 3169.943 |
| Stddev    | 15.991   | 11.124   | 188.75   | 43.013   | 11.221   |
| %RSD      | .8858125 | .4269953 | .2936406 | .6683579 | .3539781 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1805.578 | 2607.525 | 64271.04 | 6436.956 | 3175.591 |
| #2 | 1789.081 | 2614.778 | 64092.60 | 6391.963 | 3177.218 |
| #3 | 1821.058 | 2592.938 | 64469.91 | 6477.958 | 3157.020 |

Sample Name: I3268-22      Acquired: 5/23/2017 14:10:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC75      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1115333 | -.027965 | 2.097221 | -.045985 | .0125508 | 91.79451 | 2.820464 |
| Stddev | .0045568 | .000972  | .005918  | .002762  | .0004649 | .08184   | .005639  |
| %RSD   | 4.085569 | 3.476196 | .2821626 | 6.005216 | 3.703807 | .0891611 | .1999374 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1153524 | -.026907 | 2.099551 | -.042878 | .0123734 | 91.88089 | 2.821971 |
| #2 | .1064892 | -.028818 | 2.090493 | -.048159 | .0122008 | 91.78453 | 2.825196 |
| #3 | .1127582 | -.028171 | 2.101619 | -.046919 | .0130783 | 91.71811 | 2.814224 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0136171 | .0247551 | 48.46277 | .3624426 | .1587024 | .5230056 | 250.8521 |
| Stddev | .0000541 | .0002785 | .32778   | .0026268 | .0009098 | .0023293 | 1.3144   |
| %RSD   | .3976030 | 1.124842 | .6763465 | .7247408 | .5732784 | .4453624 | .5239641 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0135915 | .0245833 | 48.70577 | .3626365 | .1584495 | .5256635 | 252.3535 |
| #2 | .0135804 | .0246055 | 48.08998 | .3597243 | .1579458 | .5220335 | 250.2933 |
| #3 | .0136792 | .0250763 | 48.59257 | .3649671 | .1597119 | .5213199 | 249.9094 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 22.27374 | 7.227951 | .1292698 | -.004337 | 1.361096 | .3519928 | 3.642512 |
| Stddev | .08795   | .079557  | .0005667 | .000146  | .121290  | .0030731 | .048703  |
| %RSD   | .3948754 | 1.100682 | .4384218 | 3.356046 | 8.911233 | .8730531 | 1.337080 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 22.37530 | 7.147202 | .1299146 | -.004216 | 1.440177 | .3554599 | 3.665397 |
| #2 | 22.22330 | 7.306259 | .1290446 | -.004297 | 1.221450 | .3496049 | 3.586582 |
| #3 | 22.22261 | 7.230393 | .1288503 | -.004499 | 1.421659 | .3509136 | 3.675559 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.061317 | 14.02459 | -.697960 | .0145461 | 15.55841 | 1.978643 | .0862796 |
| Stddev | .101692  | .05968   | .001404  | .0002243 | .10180   | .001788  | .0010428 |
| %RSD   | 1.122260 | .4255208 | .2011340 | 1.541941 | .6543011 | .0903622 | 1.208612 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.120994 | 14.04462 | -.699379 | .0148035 | 15.57464 | 1.979780 | .0867255 |
| #2 | 9.119058 | 13.95748 | -.697931 | .0144419 | 15.44947 | 1.979567 | .0850880 |
| #3 | 8.943899 | 14.07168 | -.696571 | .0143928 | 15.65112 | 1.976582 | .0870253 |



Sample Name: I3268-22      Acquired: 5/23/2017 14:10:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC75      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8294453 | .0814434 | .4653421 |
| Stddev | .0025229 | .0001723 | .0011319 |
| %RSD   | .3041690 | .2115558 | .2432332 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8290485 | .0812450 | .4664523 |
| #2 | .8271443 | .0815557 | .4653843 |
| #3 | .8321431 | .0815295 | .4641898 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1827.863 | 2642.661 | 64499.60 | 6380.924 | 3322.348 |
| Stddev    | 3.935    | 8.573    | 208.09   | 21.241   | 10.954   |
| %RSD      | .2152699 | .3244005 | .3226244 | .3328860 | .3297216 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1829.815 | 2652.550 | 64630.89 | 6356.459 | 3333.594 |
| #2 | 1823.334 | 2638.097 | 64259.68 | 6394.661 | 3321.738 |
| #3 | 1830.441 | 2637.336 | 64608.24 | 6391.653 | 3311.710 |

Sample Name: I3268-23      Acquired: 5/23/2017 14:14:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC76      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2213860 | -.024479 | 3.517973 | -.046548 | .0219637 | 108.9315 | 4.437444 |
| Stddev | .0012141 | .003771  | .015127  | .003577  | .0004189 | .0509    | .006292  |
| %RSD   | .5484083 | 15.40345 | .4300039 | 7.684394 | 1.907394 | .0467331 | .1417924 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2207683 | -.028833 | 3.508288 | -.044751 | .0216074 | 108.8739 | 4.430541 |
| #2 | .2227848 | -.022279 | 3.510226 | -.050667 | .0218586 | 108.9500 | 4.438935 |
| #3 | .2206050 | -.022324 | 3.535405 | -.044226 | .0224252 | 108.9706 | 4.442857 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0167083 | .0234393 | 47.34527 | .3300837 | .1804787 | .7576460 | 248.3982 |
| Stddev | .0001457 | .0001332 | .02548   | .0018795 | .0006684 | .0047319 | .7119    |
| %RSD   | .8723451 | .5683014 | .0538089 | .5694018 | .3703339 | .6245474 | .2865998 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0166475 | .0235165 | 47.33805 | .3285994 | .1804866 | .7559447 | 249.1636 |
| #2 | .0168747 | .0235160 | 47.32419 | .3321971 | .1798064 | .7629933 | 248.2752 |
| #3 | .0166029 | .0232855 | 47.37358 | .3294546 | .1811430 | .7540001 | 247.7558 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 22.57566 | 6.993885 | .1717181 | -.002124 | 2.591324 | .3990727 | 4.133182 |
| Stddev | .08399   | .076969  | .0006892 | .000531  | .115638  | .0006570 | .010941  |
| %RSD   | .3720514 | 1.100521 | .4013623 | 25.01783 | 4.462524 | .1646335 | .2647023 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 22.64194 | 7.070931 | .1717043 | -.002350 | 2.478805 | .3998265 | 4.122668 |
| #2 | 22.60383 | 6.993732 | .1724142 | -.002504 | 2.709848 | .3986211 | 4.132375 |
| #3 | 22.48120 | 6.916992 | .1710359 | -.001517 | 2.585319 | .3987706 | 4.144504 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.827740 | 15.64877 | -.681444 | .0243152 | 20.38526 | 2.368919 | .1412117 |
| Stddev | .028212  | .04755   | .003713  | .0002659 | .08622   | .012517  | .0008510 |
| %RSD   | .3195835 | .3038814 | .5448143 | 1.093728 | .4229752 | .5283822 | .6026152 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.819650 | 15.59526 | -.683376 | .0242519 | 20.28675 | 2.382549 | .1416714 |
| #2 | 8.859113 | 15.66486 | -.683792 | .0240866 | 20.42200 | 2.366270 | .1402297 |
| #3 | 8.804457 | 15.68619 | -.677164 | .0246071 | 20.44702 | 2.357939 | .1417339 |

Sample Name: I3268-23      Acquired: 5/23/2017 14:14:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC76      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.124621 | .1239993 | .9993287 |
| Stddev | .003766  | .0005281 | .0008992 |
| %RSD   | .3348898 | .4258716 | .0899856 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.128492 | .1240667 | .9996519 |
| #2 | 1.124400 | .1244904 | .9983125 |
| #3 | 1.120970 | .1234407 | 1.000022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1850.042 | 2669.373 | 65368.19 | 6440.243 | 3302.541 |
| Stddev    | 8.992    | 6.259    | 130.76   | 24.372   | 5.869    |
| %RSD      | .4860432 | .2344928 | .2000365 | .3784296 | .1777163 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1839.714 | 2662.158 | 65252.95 | 6412.537 | 3295.805 |
| #2 | 1854.279 | 2672.614 | 65341.32 | 6449.820 | 3305.256 |
| #3 | 1856.133 | 2673.347 | 65510.30 | 6458.372 | 3306.561 |

Sample Name: PB99163BL      Acquired: 5/23/2017 14:18:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0002331 | -.001940 | -.000961 | .0009795 | .0002033 | .0070679 | -.004475 |
| Stddev | .0016972 | .001101  | .000917  | .0030639 | .0003412 | .0029020 | .000533  |
| %RSD   | 728.1206 | 56.77031 | 95.45138 | 312.8130 | 167.8185 | 41.05908 | 11.89995 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001392 | -.001514 | -.000765 | .0018997 | -.000191 | .0088341 | -.004781 |
| #2 | .000097  | -.001115 | -.000158 | .0034778 | .000403  | .0037186 | -.004785 |
| #3 | .001994  | -.003190 | -.001961 | -.002439 | .000398  | .0086510 | -.003860 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000136 | -.000087 | -.026924 | .0002470 | .0001991 | .0009282 | .0013414 |
| Stddev | .000004  | .000129  | .004233  | .0003116 | .0001443 | .0019027 | .0101577 |
| %RSD   | 2.592015 | 148.4232 | 15.72097 | 126.1338 | 72.47760 | 204.9790 | 757.2549 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000138 | -.000180 | -.030645 | .0004167 | .0002746 | -.001188 | .0130437 |
| #2 | -.000138 | -.000142 | -.022319 | -.000113 | .0002900 | .001474  | -.005196 |
| #3 | -.000132 | .000060  | -.027808 | .000437  | .0000327 | .002498  | -.003823 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005881 | -.027094 | -.000363 | .0007967 | -.266528 | -.002843 | .0021013 |
| Stddev | .0002051 | .004294  | .000104  | .0002596 | .222503  | .004806  | .0084614 |
| %RSD   | 34.88389 | 15.85067 | 28.67982 | 32.57884 | 83.48196 | 169.0260 | 402.6817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008059 | -.027766 | -.000245 | .0005179 | -.353305 | -.001051 | -.007454 |
| #2 | .0003985 | -.031012 | -.000401 | .0008410 | -.432567 | -.008288 | .005114  |
| #3 | .0005598 | -.022503 | -.000442 | .0010313 | -.013712 | .000809  | .008644  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.057165 | -.002000 | -.003743 | -.000083 | .0005138 | -.011200 | -.000308 |
| Stddev | .041930  | .000198  | .000957  | .000101  | .0093764 | .000288  | .000455  |
| %RSD   | 73.34913 | 9.887608 | 25.57901 | 122.3907 | 1824.780 | 2.568025 | 147.5013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.105541 | -.001801 | -.003944 | .000020  | .0094532 | -.011106 | -.000601 |
| #2 | -.034702 | -.002196 | -.002701 | -.000086 | -.009246 | -.010972 | -.000540 |
| #3 | -.031252 | -.002004 | -.004584 | -.000183 | .001334  | -.011523 | .000216  |

Sample Name: PB99163BL      Acquired: 5/23/2017 14:18:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0011758 | -.001103 | -.000051 |
| Stddev | .0007992 | .000435  | .000043  |
| %RSD   | 67.96835 | 39.45340 | 84.64397 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0016153 | -.001363 | -.000002 |
| #2 | .0016589 | -.000601 | -.000083 |
| #3 | .0002534 | -.001346 | -.000066 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1747.457 | 2519.258 | 59047.95 | 5464.107 | 3991.269 |
| Stddev    | 10.468   | 6.017    | 136.42   | 22.531   | 11.386   |
| %RSD      | .5990366 | .2388243 | .2310253 | .4123414 | .2852630 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1748.281 | 2520.681 | 59019.09 | 5451.440 | 3985.477 |
| #2 | 1736.601 | 2524.437 | 58928.27 | 5450.760 | 4004.387 |
| #3 | 1757.488 | 2512.658 | 59196.49 | 5490.120 | 3983.945 |

Sample Name: PB99163BS      Acquired: 5/23/2017 14:27:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0153201 | .0513971 | .0185969 | .0687709 | .1169900 | .4125496 |
| Stddev | .0005694 | .0017490 | .0006866 | .0026984 | .0009704 | .0033850 |
| %RSD   | 3.716439 | 3.402867 | 3.692030 | 3.923687 | .8294860 | .8204965 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0151935 | .0523636 | .0182272 | .0699609 | .1164399 | .4118062 |
| #2 | .0148247 | .0493782 | .0193891 | .0706696 | .1164195 | .4095982 |
| #3 | .0159421 | .0524496 | .0181743 | .0656821 | .1181104 | .4162445 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4106369 | .0105446 | .0094494 | 10.18349 | .0239173 | .0955872 |
| Stddev | .0023889 | .0001201 | .0000571 | .04043   | .0002289 | .0001808 |
| %RSD   | .5817657 | 1.139180 | .6045518 | .3970323 | .9570937 | .1891052 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4132694 | .0106206 | .0093860 | 10.15286 | .0239867 | .0957185 |
| #2 | .4100345 | .0104061 | .0094969 | 10.16829 | .0241034 | .0956621 |
| #3 | .4086069 | .0106070 | .0094652 | 10.22932 | .0236617 | .0953811 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0551631 | .2318144 | .0355853 | 10.50391 | .0757206 | .0184643 |
| Stddev | .0002564 | .0062621 | .0006353 | .09906   | .0003783 | .0004014 |
| %RSD   | .4648042 | 2.701323 | 1.785290 | .9430815 | .4995720 | 2.173981 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0554254 | .2332875 | .0348663 | 10.40182 | .0758540 | .0183880 |
| #2 | .0549131 | .2249471 | .0358192 | 10.59963 | .0752937 | .0181065 |
| #3 | .0551508 | .2372086 | .0360705 | 10.51030 | .0760141 | .0188984 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.951252 | .1084386 | .1075902 | 9.515375 | F .0299826 | F .0195750 |
| Stddev | .099548  | .0042647 | .0071807 | .054803  | .0010240   | .0011880   |
| %RSD   | 1.000355 | 3.932863 | 6.674130 | .5759441 | 3.415270   | 6.069038   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.847237 | .1040989 | .1154388 | 9.571589 | .0307692 | .0190091 |
| #2 | 10.04563 | .1085926 | .1059813 | 9.512434 | .0288248 | .0187757 |
| #3 | 9.96089  | .1126242 | .1013503 | 9.462101 | .0303537 | .0209401 |

Sample Name: PB99163BS      Acquired: 5/23/2017 14:27:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0220775 | .5332760 | .2015731 | F .0149499 | .2223023 | .0985471 |
| Stddev | .0002733 | .0112487 | .0001653 | .0005519   | .0024276 | .0012789 |
| %RSD   | 1.237986 | 2.109354 | .0820227 | 3.691909   | 1.092012 | 1.297799 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0221828 | .5448979 | .2015247 | .0152901 | .2248850 | .0988002 |
| #2 | .0217671 | .5324881 | .2014373 | .0143131 | .2200673 | .0996805 |
| #3 | .0222824 | .5224420 | .2017572 | .0152465 | .2219546 | .0971605 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2230234 |
| Stddev | .0011540 |
| %RSD   | .5174174 |

|    |          |
|----|----------|
| #1 | .2242092 |
| #2 | .2229568 |
| #3 | .2219041 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1693.573 | 2420.391 | 58653.26 | 5545.626 | 3767.028 |
| Stddev    | 15.458   | 14.207   | 485.61   | 9.979    | 11.052   |
| %RSD      | .9127348 | .5869706 | .8279282 | .1799379 | .2933950 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1688.424 | 2410.445 | 58243.08 | 5544.232 | 3756.500 |
| #2 | 1710.948 | 2436.662 | 59189.46 | 5556.229 | 3778.539 |
| #3 | 1681.347 | 2414.065 | 58527.25 | 5536.418 | 3766.046 |

Sample Name: I3270-01      Acquired: 5/23/2017 14:31:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0178956 | .1176874 | .0377138 | -.018884 | .0010696 | 12.73896 | .1283658 |
| Stddev | .0017124 | .0031994 | .0016940 | .004336  | .0008713 | .03856   | .0005565 |
| %RSD   | 9.568737 | 2.718536 | 4.491708 | 22.96406 | 81.45949 | .3027024 | .4335111 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0173693 | .1142908 | .0365533 | -.014045 | .0020754 | 12.77212 | .1284150 |
| #2 | .0165082 | .1206440 | .0396577 | -.020186 | .0005439 | 12.74810 | .1288960 |
| #3 | .0198094 | .1181276 | .0369305 | -.022420 | .0005896 | 12.69665 | .1277863 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014937 | .0199628 | 469.9054 | .0481211 | .0091497 | .0701952 | 102.7069 |
| Stddev | .0001285 | .0001945 | .4335    | .0007601 | .0005601 | .0024845 | .2407    |
| %RSD   | 8.601097 | .9743132 | .0922424 | 1.579591 | 6.121382 | 3.539389 | .2343622 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015412 | .0200443 | 469.4481 | .0489516 | .0085385 | .0712468 | 102.4689 |
| #2 | .0015918 | .0201033 | 470.3103 | .0479519 | .0092721 | .0719810 | 102.9502 |
| #3 | .0013483 | .0197408 | 469.9578 | .0474599 | .0096384 | .0673579 | 102.7016 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.393018 | 162.0789 | .0334895 | .2766702 | .6090481 | .0353946 | 1.833535 |
| Stddev | .005494  | .5013    | .0004994 | .0012222 | .1533408 | .0055437 | .030920  |
| %RSD   | .1619230 | .3092939 | 1.491191 | .4417348 | 25.17712 | 15.66261 | 1.686336 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.386811 | 161.8876 | .0330762 | .2779087 | .5143256 | .0347525 | 1.824583 |
| #2 | 3.394982 | 162.6476 | .0340444 | .2754651 | .5268559 | .0301999 | 1.808079 |
| #3 | 3.397259 | 161.7014 | .0333478 | .2766367 | .7859630 | .0412314 | 1.867943 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.258245 | 1.457321 | -.264290 | .0025762 | 18.64215 | 3.514117 | .0132442 |
| Stddev | .031105  | .008592  | .002214  | .0000728 | .11776   | .023059  | .0007782 |
| %RSD   | .3766492 | .5896055 | .8375366 | 2.825899 | .6316873 | .6561768 | 5.875460 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.246928 | 1.458223 | -.263114 | .0026468 | 18.56379 | 3.497800 | .0124001 |
| #2 | 8.293424 | 1.448313 | -.266843 | .0025805 | 18.58509 | 3.540497 | .0133995 |
| #3 | 8.234384 | 1.465427 | -.262913 | .0025013 | 18.77757 | 3.504054 | .0139330 |



Sample Name: I3270-01      Acquired: 5/23/2017 14:31:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2100140 | .0313514 | .5057222 |
| Stddev | .0024406 | .0009023 | .0015411 |
| %RSD   | 1.162125 | 2.878082 | .3047368 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2122322 | .0320717 | .5053937 |
| #2 | .2073994 | .0316432 | .5074011 |
| #3 | .2104104 | .0303393 | .5043719 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1522.501 | 2201.174 | 53170.51 | 5373.402 | 3002.849 |
| Stddev    | 10.160   | 5.507    | 182.75   | 7.295    | 3.798    |
| %RSD      | .6673100 | .2501670 | .3437130 | .1357584 | .1264940 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1525.910 | 2195.467 | 52994.93 | 5378.604 | 2998.467 |
| #2 | 1530.519 | 2201.600 | 53359.68 | 5365.064 | 3004.874 |
| #3 | 1511.076 | 2206.456 | 53156.93 | 5376.539 | 3005.206 |

Sample Name: I3270-02      Acquired: 5/23/2017 14:35:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC53      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1639393 | -.059279 | .5669084 | -.116723 | .0109197 | 135.0646 | 1.002920 |
| Stddev | .0040490 | .001207  | .0034064 | .005316  | .0003426 | .2706    | .000965  |
| %RSD   | 2.469797 | 2.036309 | .6008668 | 4.554129 | 3.137533 | .2003521 | .0962025 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1621631 | -.060543 | .5666441 | -.110607 | .0106805 | 134.7983 | 1.003310 |
| #2 | .1610820 | -.059155 | .5636419 | -.120233 | .0107663 | 135.3393 | 1.001821 |
| #3 | .1685728 | -.058138 | .5704393 | -.119328 | .0113122 | 135.0561 | 1.003629 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0171677 | .0269823 | 24.38892 | .9496649 | .5046566 | .2223975 | 633.6824 |
| Stddev | .0001435 | .0000363 | .13153   | .0019045 | .0017176 | .0013631 | 3.8138   |
| %RSD   | .8361542 | .1346570 | .5393002 | .2005450 | .3403562 | .6128987 | .6018409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0173000 | .0270034 | 24.26376 | .9475414 | .5040808 | .2209170 | 629.9823 |
| #2 | .0171881 | .0269404 | 24.52600 | .9512219 | .5033009 | .2226752 | 637.6005 |
| #3 | .0170151 | .0270032 | 24.37698 | .9502313 | .5065882 | .2236004 | 633.4645 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.05929 | 3.965430 | .1383537 | -.015351 | 2.374140 | .7437655 | .3314998 |
| Stddev | .16196   | .101571  | .0015403 | .000659  | .172760  | .0051265 | .0041765 |
| %RSD   | .5771946 | 2.561403 | 1.113327 | 4.295267 | 7.276731 | .6892569 | 1.259887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.90484 | 3.916078 | .1366002 | -.015881 | 2.368105 | .7383312 | .3308984 |
| #2 | 28.22783 | 4.082247 | .1389728 | -.015560 | 2.204477 | .7444498 | .3359444 |
| #3 | 28.04520 | 3.897966 | .1394882 | -.014612 | 2.549839 | .7485154 | .3276566 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.072895 | 2.276737 | -1.80075 | .0154582 | .2388333 | 3.545614 | .0165223 |
| Stddev | .021955  | .011856  | .01113   | .0001180 | .0053411 | .016369  | .0009744 |
| %RSD   | .3615239 | .5207620 | .6182717 | .7633555 | 2.236326 | .4616803 | 5.897520 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.050091 | 2.277140 | -1.80474 | .0153508 | .2326668 | 3.564332 | .0172449 |
| #2 | 6.074706 | 2.264685 | -1.78817 | .0154393 | .2420069 | 3.533977 | .0154141 |
| #3 | 6.093889 | 2.288387 | -1.80933 | .0155845 | .2418261 | 3.538534 | .0169078 |

Sample Name: I3270-02      Acquired: 5/23/2017 14:35:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC53      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8786278 | .0383938 | .1403947 |
| Stddev | .0029116 | .0009757 | .0004338 |
| %RSD   | .3313760 | 2.541250 | .3090067 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8752777 | .0373794 | .1400563 |
| #2 | .8800579 | .0393255 | .1402439 |
| #3 | .8805477 | .0384766 | .1408837 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1777.443 | 2569.101 | 61729.73 | 6028.394 | 3297.194 |
| Stddev    | 2.068    | 14.494   | 4.90     | 12.147   | 13.779   |
| %RSD      | .1163729 | .5641556 | .0079299 | .2014996 | .4179085 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1779.203 | 2567.928 | 61735.20 | 6038.072 | 3296.639 |
| #2 | 1775.165 | 2584.145 | 61728.23 | 6014.762 | 3311.243 |
| #3 | 1777.961 | 2555.229 | 61725.76 | 6032.348 | 3283.701 |

Sample Name: I3270-04      Acquired: 5/23/2017 14:39:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC55      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1705722 | -.050540 | 3.101509 | -.075394 | .0115000 | 109.6533 |
| Stddev | .0034926 | .001061  | .021210  | .002716  | .0015069 | .0458    |
| %RSD   | 2.047565 | 2.099906 | .6838553 | 3.601755 | 13.10373 | .0417809 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1674292 | -.051562 | 3.078733 | -.076451 | .0107143 | 109.6957 |
| #2 | .1699551 | -.049443 | 3.105102 | -.077423 | .0132375 | 109.6047 |
| #3 | .1743321 | -.050615 | 3.120694 | -.072309 | .0105484 | 109.6596 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.995192 | .0204706 | .0332950 | 63.55330 | .6026426 | .3758042 |
| Stddev | .009163  | .0001005 | .0002661 | .08934   | .0015450 | .0020554 |
| %RSD   | .3059107 | .4910492 | .7991717 | .1405708 | .2563705 | .5469230 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.005594 | .0205866 | .0332676 | 63.56468 | .6025572 | .3736957 |
| #2 | 2.991667 | .0204086 | .0335738 | 63.45881 | .6011421 | .3759150 |
| #3 | 2.988315 | .0204166 | .0330437 | 63.63640 | .6042286 | .3778019 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .5997698 | 368.6691 | F 37.29377 | 6.557862 | .2063409 | -.008052 |
| Stddev | .0008432 | 1.4209   | .17211     | .063234  | .0019134 | .000115  |
| %RSD   | .1405870 | .3854223 | .4614982   | .9642469 | .9273169 | 1.430212 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6002848 | 367.0284 | 37.10548 | 6.561392 | .2044447 | -.007940 |
| #2 | .6002279 | 369.4831 | 37.33285 | 6.492937 | .2063069 | -.008170 |
| #3 | .5987967 | 369.4959 | 37.44298 | 6.619257 | .2082711 | -.008046 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.024273 | .4726079 | 3.653924 | 7.885128 | 6.481454 | -1.03871 |
| Stddev | .035906  | .0056804 | .029281  | .035578  | .034328  | .00190   |
| %RSD   | 1.187254 | 1.201923 | .8013563 | .4511978 | .5296316 | .1832734 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.021522 | .4730032 | 3.676073 | 7.850728 | 6.441866 | -1.03973 |
| #2 | 2.989822 | .4667403 | 3.664973 | 7.921776 | 6.499510 | -1.03651 |
| #3 | 3.061475 | .4780804 | 3.620726 | 7.882879 | 6.502985 | -1.03988 |

Sample Name: I3270-04      Acquired: 5/23/2017 14:39:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC55      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0173865 | 6.763216 | 3.571057 | .0420256 | 1.313244 | .0800892 |
| Stddev | .0001019 | .027053  | .014301  | .0009688 | .001791  | .0006249 |
| %RSD   | .5860682 | .3999994 | .4004648 | 2.305258 | .1363742 | .7802578 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0174880 | 6.740223 | 3.583372 | .0430869 | 1.311195 | .0807103 |
| #2 | .0173872 | 6.756400 | 3.574427 | .0418015 | 1.314512 | .0800967 |
| #3 | .0172842 | 6.793025 | 3.555372 | .0411886 | 1.314026 | .0794605 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3422153 |
| Stddev | .0004839 |
| %RSD   | .1414141 |

|    |          |
|----|----------|
| #1 | .3420825 |
| #2 | .3427518 |
| #3 | .3418117 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2113.090 | 3044.273 | 73830.43 | 7302.342 | 3212.608 |
| Stddev    | 7.909    | 15.650   | 41.57    | 8.321    | 15.830   |
| %RSD      | .3742923 | .5140740 | .0563114 | .1139556 | .4927505 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2109.078 | 3053.980 | 73862.43 | 7303.465 | 3226.277 |
| #2 | 2107.991 | 3052.620 | 73845.42 | 7293.517 | 3216.284 |
| #3 | 2122.201 | 3026.219 | 73783.44 | 7310.046 | 3195.264 |

Sample Name: I3270-05      Acquired: 5/23/2017 14:43:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC56      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0836850 | -.015895 | .6898388 | -.022685 | .0033990 | 86.99934 | 1.017082 |
| Stddev | .0012974 | .002423  | .0030187 | .002460  | .0010583 | .28207   | .005009  |
| %RSD   | 1.550385 | 15.24488 | .4375907 | 10.84540 | 31.13575 | .3242236 | .4925214 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0826103 | -.013494 | .6882074 | -.021916 | .0039961 | 87.32470 | 1.022511 |
| #2 | .0833184 | -.015852 | .6879869 | -.025438 | .0040238 | 86.84979 | 1.012640 |
| #3 | .0851263 | -.018339 | .6933221 | -.020700 | .0021771 | 86.82354 | 1.016094 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101093 | .0101664 | 129.3342 | .1183210 | .0466460 | .2253843 | 151.1383 |
| Stddev | .0000063 | .0001362 | .4392    | .0003706 | .0006748 | .0011699 | .4691    |
| %RSD   | .0619554 | 1.339208 | .3395957 | .3131806 | 1.446705 | .5190620 | .3103891 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0101129 | .0102416 | 129.7347 | .1179257 | .0458868 | .2265005 | 151.4564 |
| #2 | .0101020 | .0102483 | 129.4033 | .1186605 | .0468737 | .2254852 | 151.3590 |
| #3 | .0101129 | .0100092 | 128.8645 | .1183768 | .0471776 | .2241672 | 150.5995 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.331304 | 33.72068 | .0841933 | -.004453 | 1.394856 | .1780047 | 1.032755 |
| Stddev | .021048  | .14170   | .0003784 | .000238  | .020690  | .0067897 | .023216  |
| %RSD   | .6318261 | .4202232 | .4494767 | 5.349826 | 1.483338 | 3.814324 | 2.247937 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.350617 | 33.77224 | .0838414 | -.004480 | 1.417704 | .1858217 | 1.045284 |
| #2 | 3.334427 | 33.56042 | .0841450 | -.004202 | 1.377385 | .1746159 | 1.047015 |
| #3 | 3.308870 | 33.82939 | .0845936 | -.004676 | 1.389480 | .1735764 | 1.005967 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.075785 | 4.497603 | -.400849 | .0053083 | 21.94093 | 6.358948 | .0194871 |
| Stddev | .055934  | .014103  | .002997  | .0001954 | .06322   | .022871  | .0008250 |
| %RSD   | .6163006 | .3135702 | .7476171 | 3.680786 | .2881482 | .3596681 | 4.233632 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.128842 | 4.496930 | -.401199 | .0051173 | 21.92823 | 6.382225 | .0200734 |
| #2 | 9.081152 | 4.483849 | -.397692 | .0052999 | 21.88502 | 6.358112 | .0198443 |
| #3 | 9.017361 | 4.512031 | -.403655 | .0055077 | 22.00954 | 6.336506 | .0185437 |

Sample Name: I3270-05      Acquired: 5/23/2017 14:43:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC56      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5684382 | .0990152 | .2631206 |
| Stddev | .0070168 | .0004923 | .0008330 |
| %RSD   | 1.234398 | .4972416 | .3165887 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5758216 | .0994375 | .2637453 |
| #2 | .5618569 | .0984744 | .2634415 |
| #3 | .5676362 | .0991336 | .2621748 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1747.247 | 2511.670 | 61551.50 | 6113.961 | 3265.208 |
| Stddev    | 8.542    | 13.732   | 187.10   | 16.785   | 9.011    |
| %RSD      | .4888925 | .5467361 | .3039782 | .2745283 | .2759688 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1750.824 | 2502.580 | 61764.63 | 6094.582 | 3262.396 |
| #2 | 1737.498 | 2527.466 | 61414.28 | 6123.909 | 3275.290 |
| #3 | 1753.419 | 2504.963 | 61475.59 | 6123.391 | 3257.938 |

Sample Name: I3270-06      Acquired: 5/23/2017 14:47:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC57      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0559055 | -.013688 | .4957158 | -.020939 | .0033704 | 66.89684 | .6966956 |
| Stddev | .0009011 | .000206  | .0035419 | .001452  | .0013294 | .12302   | .0023865 |
| %RSD   | 1.611874 | 1.504541 | .7144951 | 6.935218 | 39.44432 | .1839013 | .3425443 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0562085 | -.013465 | .4944654 | -.019377 | .0023519 | 67.03889 | .6992244 |
| #2 | .0548920 | -.013872 | .4929687 | -.021193 | .0048744 | 66.82720 | .6963794 |
| #3 | .0566162 | -.013727 | .4997132 | -.022248 | .0028850 | 66.82443 | .6944829 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0053505 | .0096469 | 32.93317 | .1247042 | .0533333 | .2409404 | 146.0465 |
| Stddev | .0000727 | .0001442 | .04032   | .0004275 | .0003685 | .0026939 | .3959    |
| %RSD   | 1.358154 | 1.494653 | .1224432 | .3427800 | .6909392 | 1.118094 | .2710723 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0052825 | .0094937 | 32.89544 | .1249494 | .0530447 | .2412989 | 145.7947 |
| #2 | .0053419 | .0096668 | 32.97567 | .1242107 | .0532069 | .2380852 | 145.8421 |
| #3 | .0054270 | .0097800 | 32.92842 | .1249527 | .0537484 | .2434372 | 146.5029 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.353243 | 5.559180 | .0681525 | -.003366 | .3774407 | .1726543 | 1.374329 |
| Stddev | .003567  | .038463  | .0001418 | .000264  | .1232769 | .0044153 | .039618  |
| %RSD   | .1063697 | .6918902 | .2080040 | 7.841878 | 32.66127 | 2.557317 | 2.882682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.352231 | 5.550050 | .0683152 | -.003114 | .3920483 | .1777223 | 1.330831 |
| #2 | 3.350292 | 5.601388 | .0680558 | -.003342 | .4927630 | .1706012 | 1.408346 |
| #3 | 3.357207 | 5.526104 | .0680864 | -.003640 | .2475108 | .1696394 | 1.383812 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.473556 | 4.508133 | -.405220 | .0050141 | 13.94364 | 2.994279 | .0197349 |
| Stddev | .033071  | .039120  | .001902  | .0003512 | .06842   | .014710  | .0017202 |
| %RSD   | .5108624 | .8677682 | .4694632 | 7.004316 | .4906993 | .4912537 | 8.716692 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.509301 | 4.480669 | -.403284 | .0046123 | 13.86754 | 2.977940 | .0177584 |
| #2 | 6.467321 | 4.490805 | -.407087 | .0052626 | 13.96330 | 2.998429 | .0208938 |
| #3 | 6.444047 | 4.552924 | -.405289 | .0051675 | 14.00008 | 3.006468 | .0205526 |



Sample Name: I3270-06      Acquired: 5/23/2017 14:47:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC57      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4875248 | .0596409 | .1172432 |
| Stddev | .0035488 | .0001532 | .0000100 |
| %RSD   | .7279303 | .2568014 | .0084976 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4910166 | .0596683 | .1172464 |
| #2 | .4876364 | .0594759 | .1172512 |
| #3 | .4839215 | .0597785 | .1172321 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1762.200 | 2535.443 | 61760.59 | 6052.566 | 3496.534 |
| Stddev    | 11.898   | 29.957   | 281.75   | 12.052   | 34.353   |
| %RSD      | .6751625 | 1.181512 | .4561953 | .1991216 | .9824770 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1774.615 | 2566.598 | 61972.79 | 6066.481 | 3531.620 |
| #2 | 1761.085 | 2532.882 | 61868.05 | 6045.424 | 3495.016 |
| #3 | 1750.899 | 2506.849 | 61440.92 | 6045.793 | 3462.965 |

Sample Name: I3270-07      Acquired: 5/23/2017 14:51:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC58      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0805943 | -.017694 | .5514294 | -.022829 | .0041095 | 61.58511 | .7820676 |
| Stddev | .0023613 | .001874  | .0010477 | .001632  | .0015011 | .27247   | .0028748 |
| %RSD   | 2.929868 | 10.59318 | .1900007 | 7.148603 | 36.52858 | .4424301 | .3675944 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0828174 | -.016322 | .5520304 | -.022235 | .0046339 | 61.72847 | .7829501 |
| #2 | .0781156 | -.016930 | .5502196 | -.024675 | .0024165 | 61.27089 | .7788550 |
| #3 | .0808500 | -.019829 | .5520381 | -.021578 | .0052781 | 61.75597 | .7843978 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0050308 | .0105299 | 29.72569 | .1289425 | .0592734 | .2392641 | 170.6998 |
| Stddev | .0001428 | .0000661 | .19910   | .0004673 | .0002210 | .0005975 | 1.3844   |
| %RSD   | 2.837783 | .6274346 | .6697927 | .3624265 | .3729059 | .2497074 | .8109890 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051468 | .0104864 | 29.85825 | .1284505 | .0590363 | .2397917 | 172.0984 |
| #2 | .0048714 | .0104973 | 29.49674 | .1293804 | .0594737 | .2393853 | 169.3302 |
| #3 | .0050743 | .0106059 | 29.82208 | .1289966 | .0593104 | .2386154 | 170.6709 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.461486 | 4.980275 | .0543335 | -.004484 | .6134655 | .1789232 | 1.619822 |
| Stddev | .033730  | .043266  | .0005546 | .000342  | .0371087 | .0054129 | .041352  |
| %RSD   | .9744376 | .8687439 | 1.020771 | 7.634341 | 6.049031 | 3.025267 | 2.552897 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.496124 | 5.009702 | .0547689 | -.004423 | .5894435 | .1851534 | 1.647349 |
| #2 | 3.428743 | 5.000525 | .0537091 | -.004176 | .5947475 | .1753748 | 1.639847 |
| #3 | 3.459591 | 4.930598 | .0545225 | -.004852 | .6562054 | .1762414 | 1.572269 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.433415 | 4.737642 | -.479468 | .0048552 | 10.53974 | 3.084114 | .0202076 |
| Stddev | .037733  | .006518  | .005012  | .0004303 | .02358   | .013303  | .0003452 |
| %RSD   | .5865117 | .1375740 | 1.045287 | 8.863494 | .2237578 | .4313259 | 1.708006 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.453647 | 4.736940 | -.484552 | .0044816 | 10.54404 | 3.092695 | .0198368 |
| #2 | 6.389881 | 4.744483 | -.479320 | .0053257 | 10.56087 | 3.068791 | .0205195 |
| #3 | 6.456716 | 4.731504 | -.474532 | .0047582 | 10.51430 | 3.090858 | .0202666 |

Sample Name: I3270-07      Acquired: 5/23/2017 14:51:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC58      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4885338 | .0445586 | .1042426 |
| Stddev | .0034591 | .0008683 | .0003847 |
| %RSD   | .7080513 | 1.948749 | .3690498 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4917478 | .0450896 | .1045655 |
| #2 | .4848731 | .0435565 | .1038170 |
| #3 | .4889805 | .0450297 | .1043454 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1731.244 | 2492.808 | 60323.96 | 5905.236 | 3553.330 |
| Stddev    | 10.478   | 11.401   | 371.16   | 36.567   | 10.954   |
| %RSD      | .6052353 | .4573756 | .6152846 | .6192306 | .3082860 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1730.242 | 2480.253 | 60271.80 | 5863.018 | 3540.697 |
| #2 | 1721.303 | 2502.516 | 59981.64 | 5925.735 | 3560.209 |
| #3 | 1742.188 | 2495.654 | 60718.45 | 5926.956 | 3559.084 |

Sample Name: I3270-08      Acquired: 5/23/2017 14:55:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC59      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2445956 | -.084578 | 1.338524 | -.138901 | .0133369 | 139.7044 |
| Stddev | .0079783 | .001809  | .005112  | .005880  | .0012618 | .1704    |
| %RSD   | 3.261823 | 2.139050 | .3819001 | 4.233108 | 9.461148 | .1219837 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2428438 | -.083021 | 1.340903 | -.133243 | .0129389 | 139.5157 |
| #2 | .2533042 | -.086563 | 1.332656 | -.144980 | .0147497 | 139.8471 |
| #3 | .2376387 | -.084150 | 1.342012 | -.138479 | .0123220 | 139.7504 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.139033 | .0275137 | .0467760 | 103.4561 | .6463666 | .3217139 |
| Stddev | .002561  | .0001750 | .0004137 | .3804    | .0017733 | .0006822 |
| %RSD   | .1197387 | .6360310 | .8845045 | .3677252 | .2743487 | .2120560 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.139150 | .0273974 | .0470150 | 103.0194 | .6483941 | .3224975 |
| #2 | 2.141535 | .0274287 | .0462982 | 103.6339 | .6451049 | .3213920 |
| #3 | 2.136416 | .0277149 | .0470147 | 103.7152 | .6456007 | .3212522 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .5211545 | 662.5527 | F 31.12100 | 17.12832 | .2143246 | -.018594 |
| Stddev | .0018767 | 3.8991   | .20763     | .05849   | .0010153 | .000339  |
| %RSD   | .3600960 | .5884896 | .6671782   | .3414556 | .4737055 | 1.821913 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5209928 | 658.0578 | 30.88125 | 17.08649 | .2140217 | -.018878 |
| #2 | .5231068 | 664.5771 | 31.23986 | 17.19515 | .2134953 | -.018684 |
| #3 | .5193640 | 665.0231 | 31.24190 | 17.10332 | .2154569 | -.018219 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.294572 | .6694839 | 3.029497 | 12.59622 | 8.107202 | -1.92122 |
| Stddev | .099516  | .0035845 | .023461  | .04156   | .020570  | .01403   |
| %RSD   | 3.020595 | .5354113 | .7744124 | .3299037 | .2537293 | .7305188 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.332813 | .6653450 | 3.032299 | 12.58529 | 8.101261 | -1.91261 |
| #2 | 3.181608 | .6715818 | 3.051432 | 12.64215 | 8.090257 | -1.91363 |
| #3 | 3.369295 | .6715250 | 3.004762 | 12.56122 | 8.130090 | -1.93741 |

Sample Name: I3270-08      Acquired: 5/23/2017 14:55:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC59      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0140904 | 19.61890 | 4.524139 | .0436093 | .9695912 | .0858178 |
| Stddev | .0004245 | .02123   | .018704  | .0013600 | .0052450 | .0004260 |
| %RSD   | 3.012542 | .1082046 | .4134364 | 3.118611 | .5409522 | .4963718 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0140384 | 19.59719 | 4.523304 | .0424860 | .9646679 | .0853429 |
| #2 | .0145386 | 19.61992 | 4.505866 | .0432206 | .9689982 | .0861661 |
| #3 | .0136944 | 19.63961 | 4.543247 | .0451214 | .9751076 | .0859445 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2945675 |
| Stddev | .0006292 |
| %RSD   | .2136089 |

|    |          |
|----|----------|
| #1 | .2938828 |
| #2 | .2946995 |
| #3 | .2951203 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1909.393 | 2763.541 | 68007.07 | 6779.456 | 3069.036 |
| Stddev    | 12.598   | 2.841    | 113.17   | 34.510   | 6.222    |
| %RSD      | .6597815 | .1028108 | .1664082 | .5090353 | .2027220 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1923.858 | 2760.260 | 68127.22 | 6814.133 | 3063.404 |
| #2 | 1903.499 | 2765.146 | 67991.49 | 6779.119 | 3075.715 |
| #3 | 1900.823 | 2765.216 | 67902.49 | 6745.116 | 3067.989 |

Sample Name: I3270-09      Acquired: 5/23/2017 14:59:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC60      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2069011 | -.088559 | 4.011527 | -.142158 | .0186749 | 137.0697 | 3.472977 |
| Stddev | .0040415 | .001401  | .014218  | .004390  | .0018440 | .5286    | .007757  |
| %RSD   | 1.953331 | 1.581958 | .3544287 | 3.088059 | 9.874320 | .3856554 | .2233471 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2022386 | -.088442 | 4.007084 | -.139641 | .0181963 | 136.5556 | 3.465027 |
| #2 | .2094029 | -.090014 | 4.000061 | -.139606 | .0207110 | 137.6117 | 3.480525 |
| #3 | .2090619 | -.087220 | 4.027436 | -.147227 | .0171174 | 137.0418 | 3.473380 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0261909 | .0736374 | 627.6120 | .5792593 | .2844069 | .9767045 | 597.9615 |
| Stddev | .0001471 | .0000807 | 1.9232   | .0027671 | .0004465 | .0062401 | 1.8989   |
| %RSD   | .5614976 | .1095536 | .3064341 | .4777016 | .1569885 | .6388978 | .3175689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0260760 | .0736817 | 629.4629 | .5792452 | .2843774 | .9707362 | 597.1147 |
| #2 | .0263566 | .0736863 | 627.7491 | .5820334 | .2848674 | .9831849 | 600.1365 |
| #3 | .0261401 | .0735443 | 625.6238 | .5764992 | .2839758 | .9761924 | 596.6332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.38018 | 291.9580 | .2247575 | -.014855 | 3.559626 | .5498018 | 7.863612 |
| Stddev | .05717   | 1.2019   | .0008903 | .000327  | .022627  | .0057955 | .021318  |
| %RSD   | .2014557 | .4116547 | .3961030 | 2.204207 | .6356622 | 1.054105 | .2710980 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.33474 | 290.7748 | .2254069 | -.015221 | 3.540299 | .5527197 | 7.880573 |
| #2 | 28.44437 | 293.1777 | .2237427 | -.014590 | 3.554064 | .5535584 | 7.870582 |
| #3 | 28.36142 | 291.9214 | .2251230 | -.014755 | 3.584516 | .5431273 | 7.839681 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.13166 | 23.45444 | -1.78591 | .0135152 | 25.10860 | 7.908848 | .1512269 |
| Stddev | .09168   | .11792   | .01297   | .0001901 | .15033   | .043483  | .0031598 |
| %RSD   | .6058624 | .5027615 | .7260167 | 1.406400 | .5987157 | .5498070 | 2.089419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.03125 | 23.31897 | -1.77095 | .0134662 | 24.97684 | 7.860516 | .1488798 |
| #2 | 15.21091 | 23.51028 | -1.79401 | .0133545 | 25.07660 | 7.944796 | .1548196 |
| #3 | 15.15281 | 23.53407 | -1.79276 | .0137250 | 25.27235 | 7.921233 | .1499812 |

Sample Name: I3270-09      Acquired: 5/23/2017 14:59:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC60      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.256459 | .1072906 | .6095623 |
| Stddev | .004383  | .0004482 | .0022264 |
| %RSD   | .3488491 | .4177252 | .3652511 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.260524 | .1074572 | .6071546 |
| #2 | 1.257040 | .1067830 | .6115467 |
| #3 | 1.251815 | .1076316 | .6099856 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1722.731 | 2484.279 | 61675.04 | 6372.561 | 2612.228 |
| Stddev    | 1.230    | 10.602   | 154.30   | 22.864   | 4.382    |
| %RSD      | .0713994 | .4267564 | .2501762 | .3587858 | .1677312 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1723.964 | 2496.501 | 61710.06 | 6397.796 | 2617.083 |
| #2 | 1722.727 | 2477.564 | 61506.24 | 6353.224 | 2611.032 |
| #3 | 1721.504 | 2478.773 | 61808.82 | 6366.663 | 2608.569 |

Sample Name: I3270-11      Acquired: 5/23/2017 15:03:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC66      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1333757 | -.040938 | 2.042426 | -.103798 | .0122274 | 138.8730 | 2.483413 |
| Stddev | .0035685 | .003549  | .007754  | .004481  | .0010371 | .3733    | .009658  |
| %RSD   | 2.675529 | 8.668484 | .3796603 | 4.317355 | 8.481885 | .2688354 | .3889041 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1373793 | -.040652 | 2.034274 | -.099425 | .0120797 | 139.2394 | 2.493969 |
| #2 | .1305298 | -.037541 | 2.043296 | -.108380 | .0112720 | 138.8864 | 2.481251 |
| #3 | .1322180 | -.044621 | 2.049709 | -.103589 | .0133304 | 138.4931 | 2.475019 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0189117 | .0280161 | 167.5129 | .6055441 | .2279289 | .4100428 | 501.9499 |
| Stddev | .0001994 | .0002456 | .1114    | .0029471 | .0004771 | .0047666 | 2.0217   |
| %RSD   | 1.054475 | .8764960 | .0665301 | .4866779 | .2093284 | 1.162470 | .4027773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0191418 | .0277543 | 167.3883 | .6022586 | .2276410 | .4151897 | 503.4278 |
| #2 | .0188060 | .0280527 | 167.5474 | .6064194 | .2276661 | .4091585 | 502.7759 |
| #3 | .0187875 | .0282413 | 167.6030 | .6079544 | .2284797 | .4057803 | 499.6459 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.37486 | 16.52781 | .1239188 | -.016096 | 3.003942 | .8502932 | 2.028262 |
| Stddev | .06574   | .13503   | .0011774 | .000088  | .080840  | .0018148 | .053945  |
| %RSD   | .3226723 | .8170004 | .9501663 | .5447656 | 2.691138 | .2134269 | 2.659678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.43831 | 16.67848 | .1232306 | -.016098 | 2.945586 | .8485603 | 1.967483 |
| #2 | 20.37925 | 16.48723 | .1252784 | -.016007 | 2.970024 | .8521800 | 2.046842 |
| #3 | 20.30704 | 16.41772 | .1232475 | -.016182 | 3.096216 | .8501394 | 2.070462 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.064693 | 3.758072 | -1.41790 | .0122469 | 7.239624 | 6.236580 | .0277042 |
| Stddev | .036445  | .022010  | .00222   | .0003491 | .042832  | .022499  | .0007178 |
| %RSD   | .5158738 | .5856775 | .1568690 | 2.850781 | .5916306 | .3607549 | 2.591075 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.098476 | 3.757302 | -1.42021 | .0126352 | 7.203428 | 6.259236 | .0272267 |
| #2 | 7.026070 | 3.736457 | -1.41771 | .0119587 | 7.228533 | 6.214242 | .0285297 |
| #3 | 7.069534 | 3.780457 | -1.41578 | .0121469 | 7.286910 | 6.236260 | .0273562 |



Sample Name: I3270-11      Acquired: 5/23/2017 15:03:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC66      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.122609 | .1003250 | .5852707 |
| Stddev | .005514  | .0015378 | .0027069 |
| %RSD   | .1765945 | 1.532802 | .4625019 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.127954 | .1020391 | .5883953 |
| #2 | 3.122933 | .0990664 | .5837799 |
| #3 | 3.116940 | .0998695 | .5836369 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1742.922 | 2493.931 | 61047.28 | 6102.794 | 3073.544 |
| Stddev    | 10.938   | 14.169   | 290.57   | 25.317   | 8.210    |
| %RSD      | .6275590 | .5681374 | .4759813 | .4148357 | .2671063 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1751.844 | 2494.571 | 61367.75 | 6078.777 | 3076.665 |
| #2 | 1746.204 | 2507.769 | 60973.13 | 6100.370 | 3079.735 |
| #3 | 1730.719 | 2479.453 | 60800.97 | 6129.236 | 3064.231 |

Sample Name: I3270-12      Acquired: 5/23/2017 15:07:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3175890 | -.082810 | 1.965352 | -.168973 | .0241508 | 116.3898 |
| Stddev | .0045915 | .002089  | .007473  | .003260  | .0002535 | .1962    |
| %RSD   | 1.445742 | 2.522557 | .3802273 | 1.929475 | 1.049640 | .1685386 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3142122 | -.082218 | 1.963084 | -.165575 | .0240006 | 116.4374 |
| #2 | .3228172 | -.081082 | 1.959276 | -.169267 | .0244434 | 116.1742 |
| #3 | .3157377 | -.085132 | 1.973696 | -.172076 | .0240082 | 116.5578 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.073441 | .0225416 | .0476961 | 116.1598 | .7648502 | .2127001 |
| Stddev | .006121  | .0000204 | .0003729 | .1836    | .0013716 | .0010009 |
| %RSD   | .2951938 | .0906134 | .7819315 | .1580431 | .1793335 | .4705642 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.072493 | .0225326 | .0480601 | 116.2176 | .7643801 | .2116039 |
| #2 | 2.067850 | .0225272 | .0477135 | 116.3076 | .7637753 | .2135652 |
| #3 | 2.079981 | .0225650 | .0473148 | 115.9543 | .7663950 | .2129312 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5482676 | F 820.7242 | 20.78299 | 15.84281 | .1516333 | -.025186 |
| Stddev | .0033025 | 4.2888     | .12336   | .02728   | .0004165 | .000142  |
| %RSD   | .6023547 | .5225588   | .5935725 | .1721924 | .2746407 | .5628138 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5519956 | 821.5484 | 20.81719 | 15.87173 | .1511628 | -.025267 |
| #2 | .5457087 | 824.5411 | 20.88565 | 15.81753 | .1519545 | -.025270 |
| #3 | .5470984 | 816.0831 | 20.64614 | 15.83918 | .1517827 | -.025023 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.239960 | 1.023266 | 2.243084 | 6.006191 | 5.451117 | -2.31443 |
| Stddev | .130233  | .005746  | .027837  | .029558  | .012549  | .00929   |
| %RSD   | 3.071563 | .5614951 | 1.241009 | .4921232 | .2302070 | .4012076 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.090027 | 1.019830 | 2.225731 | 6.039686 | 5.437370 | -2.32113 |
| #2 | 4.304888 | 1.029899 | 2.228329 | 5.983768 | 5.461957 | -2.31834 |
| #3 | 4.324964 | 1.020069 | 2.275192 | 5.995119 | 5.454025 | -2.30383 |

Sample Name: I3270-12      Acquired: 5/23/2017 15:07:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0078841 | 11.58026 | 10.46083 | .3513902 | 1.787156 | .1139858 |
| Stddev | .0003009 | .04740   | .04973   | .0035340 | .003789  | .0010742 |
| %RSD   | 3.816282 | .4093095 | .4753986 | 1.005719 | .2120277 | .9424143 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0075918 | 11.59170 | 10.47782 | .3510705 | 1.784024 | .1144106 |
| #2 | .0078677 | 11.62088 | 10.49985 | .3480269 | 1.786075 | .1127641 |
| #3 | .0081929 | 11.52818 | 10.40484 | .3550731 | 1.791368 | .1147826 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4231728 |
| Stddev | .0001043 |
| %RSD   | .0246557 |

|    |          |
|----|----------|
| #1 | .4232417 |
| #2 | .4230528 |
| #3 | .4232240 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1731.612 | 2504.068 | 61458.71 | 6166.128 | 3068.772 |
| Stddev    | 7.705    | 8.305    | 246.44   | 25.052   | 5.771    |
| %RSD      | .4449732 | .3316616 | .4009784 | .4062851 | .1880644 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1724.960 | 2503.910 | 61315.56 | 6156.023 | 3067.480 |
| #2 | 1740.055 | 2512.452 | 61743.27 | 6147.706 | 3075.079 |
| #3 | 1729.820 | 2495.844 | 61317.31 | 6194.654 | 3063.756 |

Sample Name: I3270-13      Acquired: 5/23/2017 15:11:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3124711 | -.079153 | 1.936063 | -.166624 | .0248098 | 115.9086 |
| Stddev | .0018883 | .002949  | .005988  | .001583  | .0026196 | .3662    |
| %RSD   | .6043066 | 3.725401 | .3092661 | .9498507 | 10.55856 | .3159583 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3103152 | -.075825 | 1.935252 | -.167915 | .0218372 | 116.3030 |
| #2 | .3132668 | -.080189 | 1.930522 | -.164858 | .0258118 | 115.8433 |
| #3 | .3138314 | -.081443 | 1.942414 | -.167099 | .0267805 | 115.5793 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.058964 | .0228449 | .0470343 | 115.9630 | .7611716 | .2094578 |
| Stddev | .004415  | .0002149 | .0005337 | .4311    | .0030561 | .0006597 |
| %RSD   | .2144158 | .9406925 | 1.134664 | .3717448 | .4014970 | .3149654 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.063303 | .0227306 | .0474633 | 115.4795 | .7594067 | .2099133 |
| #2 | 2.054477 | .0230927 | .0472030 | 116.3072 | .7594076 | .2097589 |
| #3 | 2.059111 | .0227112 | .0464367 | 116.1023 | .7647005 | .2087013 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5475901 | F 824.9858 | 20.93544 | 15.94412 | .1490269 | -.024004 |
| Stddev | .0014863 | 2.1213     | .05038   | .05507   | .0005496 | .000374  |
| %RSD   | .2714266 | .2571354   | .2406588 | .3453823 | .3687637 | 1.556708 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5483799 | 822.5364 | 20.88384 | 15.98376 | .1484238 | -.023667 |
| #2 | .5458757 | 826.2233 | 20.93796 | 15.96736 | .1491575 | -.024406 |
| #3 | .5485148 | 826.1978 | 20.98451 | 15.88124 | .1494994 | -.023939 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.111791 | 1.017227 | 2.179209 | 5.993062 | 5.390828 | -2.33775 |
| Stddev | .094158  | .010048  | .038082  | .044531  | .021503  | .01311   |
| %RSD   | 2.289941 | .9877796 | 1.747506 | .7430416 | .3988904 | .5607623 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.101098 | 1.008282 | 2.165153 | 6.043195 | 5.385906 | -2.32987 |
| #2 | 4.210839 | 1.015299 | 2.150154 | 5.958096 | 5.414366 | -2.33050 |
| #3 | 4.023437 | 1.028099 | 2.222321 | 5.977894 | 5.372213 | -2.35288 |

Sample Name: I3270-13      Acquired: 5/23/2017 15:11:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076260 | 11.47960 | 10.53394 | .3472518 | 1.784940 | .1129936 |
| Stddev | .0003085 | .03042   | .02890   | .0016220 | .009072  | .0014912 |
| %RSD   | 4.045963 | .2650320 | .2743822 | .4670806 | .5082786 | 1.319747 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0079560 | 11.45221 | 10.50731 | .3454932 | 1.794717 | .1144370 |
| #2 | .0073447 | 11.51235 | 10.52984 | .3486890 | 1.776793 | .1114587 |
| #3 | .0075772 | 11.47424 | 10.56468 | .3475732 | 1.783311 | .1130850 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4232145 |
| Stddev | .0005497 |
| %RSD   | .1298757 |

|    |          |
|----|----------|
| #1 | .4238339 |
| #2 | .4227848 |
| #3 | .4230249 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1752.379 | 2525.022 | 61879.88 | 6138.588 | 3100.957 |
| Stddev    | 14.233   | 3.971    | 403.33   | 8.444    | 2.729    |
| %RSD      | .8122010 | .1572819 | .6517880 | .1375537 | .0880017 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1762.682 | 2521.627 | 62178.22 | 6144.900 | 3098.602 |
| #2 | 1758.317 | 2524.050 | 62040.41 | 6128.996 | 3100.323 |
| #3 | 1736.139 | 2529.389 | 61421.00 | 6141.866 | 3103.947 |

Sample Name: I3270-03      Acquired: 5/23/2017 15:15:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC54      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2255204 | -.092873 | .5985093 | -.170392 | .0138872 | 180.7880 |
| Stddev | .0047232 | .002293  | .0073257 | .005024  | .0020628 | .5393    |
| %RSD   | 2.094361 | 2.468901 | 1.223998 | 2.948435 | 14.85425 | .2983281 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2308636 | -.095520 | .5964984 | -.166619 | .0119725 | 180.5578 |
| #2 | .2237958 | -.091493 | .6066305 | -.176094 | .0136174 | 180.4019 |
| #3 | .2219019 | -.091606 | .5923990 | -.168461 | .0160716 | 181.4042 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9185336 | .0209880 | .0410621 | 31.05251 | 1.215078 | .5380799 |
| Stddev | .0045503 | .0003162 | .0002337 | .20458   | .029186  | .0045319 |
| %RSD   | .4953897 | 1.506658 | .5690745 | .6588129 | 2.402019 | .8422283 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9200587 | .0207007 | .0409448 | 30.88525 | 1.193864 | .5389229 |
| #2 | .9134166 | .0213268 | .0413311 | 30.99169 | 1.248364 | .5421310 |
| #3 | .9221255 | .0209364 | .0409102 | 31.28061 | 1.203006 | .5331857 |

|        |          |            |            |          |          |          |
|--------|----------|------------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2991388 | F 856.1814 | F 35.80265 | 4.925883 | .1961487 | -.025067 |
| Stddev | .0016500 | 3.5404     | .17949     | .012012  | .0011791 | .002088  |
| %RSD   | .5515946 | .4135156   | .5013284   | .2438588 | .6011390 | 8.328261 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2986527 | 852.7420 | 35.64060 | 4.920760 | .1966051 | -.023657 |
| #2 | .2977864 | 855.9872 | 35.77178 | 4.917282 | .1970314 | -.027465 |
| #3 | .3009773 | 859.8149 | 35.99557 | 4.939607 | .1948096 | -.024078 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.446580 | .8835190 | .3590243 | 8.315386 | 3.118373 | -2.42798 |
| Stddev | .150002  | .0067823 | .0010651 | .091961  | .020598  | .01116   |
| %RSD   | 4.352196 | .7676464 | .2966563 | 1.105913 | .6605275 | .4595869 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.603313 | .8850959 | .3598820 | 8.328612 | 3.125379 | -2.41638 |
| #2 | 3.432064 | .8893739 | .3593589 | 8.217528 | 3.134553 | -2.42891 |
| #3 | 3.304364 | .8760871 | .3578322 | 8.400018 | 3.095186 | -2.43864 |

Sample Name: I3270-03      Acquired: 5/23/2017 15:15:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC54      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0212175 | .7630020 | 3.254286 | .0204210 | .7728599 | .0444710 |
| Stddev | .0002691 | .0066804 | .016151  | .0021113 | .0026787 | .0006488 |
| %RSD   | 1.268485 | .8755381 | .4963107 | 10.33879 | .3466005 | 1.458929 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0215117 | .7592250 | 3.235660 | .0179895 | .7705427 | .0449247 |
| #2 | .0211571 | .7707153 | 3.262771 | .0217893 | .7722442 | .0437279 |
| #3 | .0209837 | .7590658 | 3.264426 | .0214842 | .7757929 | .0447605 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1985187 |
| Stddev | .0009346 |
| %RSD   | .4707740 |

|    |          |
|----|----------|
| #1 | .1992603 |
| #2 | .1974690 |
| #3 | .1988269 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1770.214 | 2569.619 | 62541.37 | 6214.246 | 3134.496 |
| Stddev    | 19.404   | 15.296   | 852.76   | 22.278   | 17.607   |
| %RSD      | 1.096117 | .5952769 | 1.363520 | .3584972 | .5617150 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1792.000 | 2557.296 | 63336.55 | 6225.778 | 3125.677 |
| #2 | 1754.789 | 2564.821 | 61640.82 | 6228.393 | 3123.041 |
| #3 | 1763.853 | 2586.738 | 62646.75 | 6188.566 | 3154.769 |

Sample Name: CCV035      Acquired: 5/23/2017 15:25:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.757742 | 4.657307 | 23.43179 | 4.666160 | 4.778184 | 396.5457 |
| Stddev | .011263  | .008277  | .11819   | .007400  | .007886  | 1.9995   |
| %RSD   | .2367303 | .1777174 | .5043871 | .1585821 | .1650436 | .5042249 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.747104 | 4.647956 | 23.42934 | 4.673758 | 4.786020 | 398.5481 |
| #2 | 4.769540 | 4.660272 | 23.31486 | 4.658976 | 4.778284 | 396.5396 |
| #3 | 4.756582 | 4.663692 | 23.55119 | 4.665745 | 4.770249 | 394.5492 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.944888 | .5228593 | 2.424206 | 392.3527 | 14.62482 | 2.433861 |
| Stddev | .054116  | .0036632 | .015019  | 2.8354   | .04726   | .012178  |
| %RSD   | .5441551 | .7006060 | .6195512 | .7226539 | .3231631 | .5003505 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.00274 | .5270569 | 2.424271 | 395.0827 | 14.61791 | 2.434390 |
| #2 | 9.93642  | .5212125 | 2.409155 | 392.5529 | 14.58139 | 2.421428 |
| #3 | 9.89550  | .5203086 | 2.439193 | 389.4226 | 14.67515 | 2.445766 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.16708 | 402.4936 | 15.12756 | 414.7425 | 2.355685 | 1.206961 |
| Stddev | .08820   | 2.8016   | .08509   | 1.8653   | .008431  | .006553  |
| %RSD   | .5815414 | .6960675 | .5625152 | .4497427 | .3578946 | .5429645 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.26358 | 405.4392 | 15.21277 | 416.5446 | 2.353037 | 1.205443 |
| #2 | 15.09062 | 402.1792 | 15.12731 | 414.8631 | 2.348896 | 1.201301 |
| #3 | 15.14704 | 399.8625 | 15.04259 | 412.8199 | 2.365122 | 1.214141 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 405.4744 | 2.419918 | 14.55806 | 157.8577 | 5.131311 | F 4.358775 |
| Stddev | 1.5574   | .014457  | .18586   | .8568    | .003614  | .041635    |
| %RSD   | .3840953 | .5973966 | 1.276658 | .5427920 | .0704249 | .9551982   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 407.2184 | 2.424038 | 14.36150 | 158.7904 | 5.130322 | 4.406431 |
| #2 | 404.2224 | 2.431868 | 14.58172 | 157.1054 | 5.135316 | 4.329459 |
| #3 | 404.9824 | 2.403849 | 14.73095 | 157.6772 | 5.128294 | 4.340433 |



Sample Name: CCV035      Acquired: 5/23/2017 15:25:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.606821 | 4.760661 | 5.246742 | 4.750033 | 5.041630 | 5.189977 |
| Stddev | .007707  | .007150  | .033041  | .005414  | .026016  | .030340  |
| %RSD   | .1673029 | .1501837 | .6297468 | .1139711 | .5160276 | .5845798 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.611539 | 4.760046 | 5.283938 | 4.749049 | 5.070927 | 5.216476 |
| #2 | 4.597927 | 4.753839 | 5.235498 | 4.745179 | 5.032736 | 5.156882 |
| #3 | 4.610998 | 4.768098 | 5.220790 | 4.755871 | 5.021227 | 5.196574 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.116283 |
| Stddev | .034372  |
| %RSD   | .6718145 |

|    |          |
|----|----------|
| #1 | 5.155820 |
| #2 | 5.099514 |
| #3 | 5.093513 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1421.960 | 2041.298 | 49754.02 | 5085.294 | 2568.922 |
| Stddev    | 9.086    | 7.602    | 271.04   | 33.822   | 5.155    |
| %RSD      | .6389491 | .3723978 | .5447507 | .6650965 | .2006540 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1429.457 | 2034.069 | 49877.84 | 5046.487 | 2562.978 |
| #2 | 1424.566 | 2040.600 | 49941.04 | 5100.900 | 2571.632 |
| #3 | 1411.856 | 2049.224 | 49443.19 | 5108.496 | 2572.157 |

Sample Name: CCB035      Acquired: 5/23/2017 15:29:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.000700 | .0017016 | -.000752 | -.000243 | -.000619 | .0183098 | -.004510 |
| Stddev | .002683  | .0003929 | .000847  | .000587  | .000075  | .0031348 | .000590  |
| %RSD   | 383.3880 | 23.08833 | 112.6599 | 242.1410 | 12.07471 | 17.12083 | 13.07198 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000308  | .0021204 | -.001546 | .000298  | -.000648 | .0155886 | -.005123 |
| #2 | .001333  | .0013413 | .000140  | -.000868 | -.000534 | .0217376 | -.003947 |
| #3 | -.003740 | .0016431 | -.000851 | -.000158 | -.000675 | .0176033 | -.004460 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000255 | -.000080 | -.019150 | .0005310 | .0002926 | .0012477 | .0249985 |
| Stddev | .0000700 | .000029  | .007171  | .0004747 | .0001064 | .0020992 | .0153864 |
| %RSD   | 274.4883 | 36.76276 | 37.44484 | 89.39464 | 36.34971 | 168.2468 | 61.54911 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000052 | -.000089 | -.026491 | .0005812 | .0001705 | .0018138 | .0279678 |
| #2 | .000084  | -.000103 | -.012162 | .0000332 | .0003651 | .0030059 | .0386838 |
| #3 | .000044  | -.000047 | -.018798 | .0009786 | .0003423 | -.001077 | .0083439 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015504 | .0028900 | .0000260 | .0004030 | -.181949 | .0013088 | -.007650 |
| Stddev | .0005937 | .0359368 | .0003282 | .0001666 | .148788  | .0021308 | .005527  |
| %RSD   | 38.29364 | 1243.466 | 1264.940 | 41.33643 | 81.77422 | 162.8031 | 72.24896 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021957 | .0439198 | .0001562 | .0003738 | -.350218 | .0034207 | -.014031 |
| #2 | .0010274 | -.012252 | -.000347 | .0005823 | -.067782 | -.000840 | -.004584 |
| #3 | .0014279 | -.022998 | .000269  | .0002530 | -.127847 | .001346  | -.004336 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.028214 | -.003369 | .0036023 | .0007012 | -.010135 | -.010093 | -.000909 |
| Stddev | .017539  | .001335  | .0007458 | .0001084 | .008407  | .000787  | .000979  |
| %RSD   | 62.16428 | 39.63366 | 20.70445 | 15.46239 | 82.95361 | 7.793981 | 107.6893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.008684 | -.002008 | .0041655 | .0007912 | -.019735 | -.009216 | .000010  |
| #2 | -.042622 | -.003424 | .0038848 | .0007314 | -.004087 | -.010737 | -.000799 |
| #3 | -.033335 | -.004677 | .0027564 | .0005808 | -.006582 | -.010325 | -.001939 |

Sample Name: CCB035      Acquired: 5/23/2017 15:29:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0010001 | .0003710 | .0001296 |
| Stddev | .0014595 | .0005793 | .0000430 |
| %RSD   | 145.9349 | 156.1402 | 33.21771 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0026763 | -.000193 | .0001168 |
| #2 | .0003139 | .000964  | .0001776 |
| #3 | .0000102 | .000342  | .0000944 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1719.857 | 2502.399 | 58505.62 | 5461.633 | 3987.598 |
| Stddev    | 3.812    | 30.451   | 51.38    | 32.504   | 51.609   |
| %RSD      | .2216477 | 1.216878 | .0878198 | .5951298 | 1.294243 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1716.291 | 2488.292 | 58521.15 | 5427.510 | 3964.226 |
| #2 | 1719.405 | 2481.559 | 58448.27 | 5465.160 | 3951.809 |
| #3 | 1723.874 | 2537.345 | 58547.45 | 5492.230 | 4046.758 |

Sample Name: I3270-14      Acquired: 5/23/2017 15:33:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3712072 | .0477827 | 3.836285 | -.058387 | .0864776 | 113.9457 | 6.100809 |
| Stddev | .0073127 | .0026382 | .001920  | .005213  | .0015622 | .5862    | .033094  |
| %RSD   | 1.969982 | 5.521140 | .0500513 | 8.928739 | 1.806430 | .5144388 | .5424466 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3792983 | .0505175 | 3.835198 | -.063772 | .0878208 | 114.5233 | 6.137156 |
| #2 | .3650697 | .0452532 | 3.835155 | -.058024 | .0868487 | 113.3513 | 6.072419 |
| #3 | .3692535 | .0475775 | 3.838502 | -.053364 | .0847633 | 113.9624 | 6.092851 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1078276 | .1321581 | 166.6333 | .8414487 | 1.141904 | 1.019244 | 626.4679 |
| Stddev | .0004196 | .0002233 | 1.2194   | .0042729 | .001479  | .005188  | 4.3150   |
| %RSD   | .3891431 | .1689596 | .7317763 | .5078031 | .1295278 | .5090314 | .6887894 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1083120 | .1322744 | 168.0356 | .8406320 | 1.143450 | 1.025165 | 630.9485 |
| #2 | .1075951 | .1322992 | 166.0418 | .8460709 | 1.140502 | 1.015494 | 622.3401 |
| #3 | .1075757 | .1319006 | 165.8225 | .8376430 | 1.141762 | 1.017074 | 626.1151 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.16709 | 21.11841 | 1.108127 | .0205256 | 3.755400 | 1.671517 | 3.262748 |
| Stddev | .15198   | .04588   | .000719  | .0003961 | .092575  | .015328  | .020610  |
| %RSD   | .8365654 | .2172579 | .0649099 | 1.929532 | 2.465127 | .9170106 | .6316803 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.31900 | 21.14099 | 1.107327 | .0208394 | 3.666054 | 1.676308 | 3.285701 |
| #2 | 18.01505 | 21.06561 | 1.108331 | .0200806 | 3.749247 | 1.654366 | 3.245826 |
| #3 | 18.16722 | 21.14862 | 1.108722 | .0206568 | 3.850898 | 1.683877 | 3.256718 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.942609 | 5.464923 | -1.76392 | .0076761 | 16.21765 | 11.29712 | .3437138 |
| Stddev | .045391  | .028605  | .00944   | .0002809 | .06549   | .06043   | .0021865 |
| %RSD   | .5714899 | .5234354 | .5349724 | 3.659786 | .4038126 | .5349221 | .6361444 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.949914 | 5.491985 | -1.77400 | .0078919 | 16.19005 | 11.36572 | .3411998 |
| #2 | 7.894008 | 5.434990 | -1.75530 | .0073585 | 16.17047 | 11.25174 | .3451728 |
| #3 | 7.983904 | 5.467792 | -1.76246 | .0077780 | 16.29242 | 11.27390 | .3447687 |

Sample Name: I3270-14      Acquired: 5/23/2017 15:33:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.784616 | .1329445 | .5491360 |
| Stddev | .008649  | .0014126 | .0033686 |
| %RSD   | .4846225 | 1.062528 | .6134411 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.789551 | .1342771 | .5530187 |
| #2 | 1.774630 | .1314636 | .5469921 |
| #3 | 1.789668 | .1330928 | .5473971 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1768.968 | 2534.097 | 62686.11 | 6204.656 | 3070.206 |
| Stddev    | 6.966    | 11.521   | 202.95   | 37.605   | 9.752    |
| %RSD      | .3937730 | .4546379 | .3237588 | .6060710 | .3176460 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1768.071 | 2532.499 | 62454.42 | 6163.083 | 3069.061 |
| #2 | 1776.340 | 2546.334 | 62832.44 | 6236.301 | 3080.481 |
| #3 | 1762.495 | 2523.459 | 62771.47 | 6214.582 | 3061.077 |

Sample Name: I3270-12LX5      Acquired: 5/23/2017 15:37:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0730093 | -.014229 | .4115233 | -.032254 | .0041063 | 24.60303 | .4366605 |
| Stddev | .0010264 | .001871  | .0011657 | .002474  | .0017371 | .11417   | .0015837 |
| %RSD   | 1.405921 | 13.14686 | .2832595 | 7.671685 | 42.30385 | .4640535 | .3626722 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0718756 | -.012536 | .4103767 | -.029526 | .0041925 | 24.73131 | .4376219 |
| #2 | .0738757 | -.016237 | .4114860 | -.032883 | .0023277 | 24.56525 | .4375269 |
| #3 | .0732765 | -.013913 | .4127072 | -.034353 | .0057988 | 24.51254 | .4348327 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0052013 | .0076165 | 25.47374 | .1745254 | .0403943 | .1188311 | 180.1667 |
| Stddev | .0001745 | .0001515 | .12562   | .0003613 | .0001502 | .0017637 | .5229    |
| %RSD   | 3.354972 | 1.989389 | .4931183 | .2070133 | .3718290 | 1.484171 | .2902429 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0053894 | .0077526 | 25.50898 | .1747651 | .0402250 | .1198782 | 180.6976 |
| #2 | .0051696 | .0076437 | 25.57797 | .1747012 | .0404463 | .1167949 | 180.1504 |
| #3 | .0050447 | .0074533 | 25.33427 | .1741098 | .0405115 | .1198202 | 179.6521 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.563471 | 3.511507 | .0299677 | -.005194 | .6714282 | .2211150 | .4855973 |
| Stddev | .016806  | .058316  | .0000895 | .000109  | .2194575 | .0040458 | .0066395 |
| %RSD   | .3682738 | 1.660722 | .2986085 | 2.100447 | 32.68518 | 1.829726 | 1.367276 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.572872 | 3.574517 | .0300260 | -.005221 | .4887410 | .2216180 | .4838318 |
| #2 | 4.573474 | 3.500573 | .0300125 | -.005074 | .9148593 | .2168412 | .4800190 |
| #3 | 4.544068 | 3.459432 | .0298647 | -.005288 | .6106841 | .2248857 | .4929410 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.180143 | 1.032833 | -.514362 | .0013436 | 2.240530 | 2.423355 | .0692290 |
| Stddev | .069388  | .003365  | .006179  | .0000661 | .023051  | .018625  | .0003601 |
| %RSD   | 5.879624 | .3258252 | 1.201264 | 4.921062 | 1.028825 | .7685809 | .5201387 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.227488 | 1.035845 | -.517025 | .0012972 | 2.234889 | 2.441922 | .0695678 |
| #2 | 1.212449 | 1.029200 | -.518762 | .0013143 | 2.220823 | 2.423472 | .0688509 |
| #3 | 1.100493 | 1.033453 | -.507298 | .0014193 | 2.265878 | 2.404672 | .0692683 |

Sample Name: I3270-12LX5      Acquired: 5/23/2017 15:37:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC87L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3894186 | .0233370 | .0918211 |
| Stddev | .0019483 | .0003660 | .0005744 |
| %RSD   | .5002987 | 1.568259 | .6255486 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3903953 | .0237443 | .0923469 |
| #2 | .3906853 | .0230359 | .0919082 |
| #3 | .3871752 | .0232307 | .0912081 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1728.194 | 2520.391 | 59406.66 | 5690.544 | 3640.076 |
| Stddev    | 6.885    | 7.186    | 183.83   | 35.039   | .888     |
| %RSD      | .3984076 | .2851340 | .3094471 | .6157432 | .0244043 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1736.067 | 2522.734 | 59615.63 | 5667.798 | 3640.720 |
| #2 | 1725.220 | 2512.325 | 59269.88 | 5672.939 | 3639.063 |
| #3 | 1723.296 | 2526.113 | 59334.46 | 5730.894 | 3640.445 |

Sample Name: I3270-15      Acquired: 5/23/2017 15:41:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC88      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0993926 | -.038808 | .3118544 | -.105396 | .0119267 | 83.24328 | .4232847 |
| Stddev | .0051569 | .004058  | .0061924 | .004920  | .0004127 | .65064   | .0022076 |
| %RSD   | 5.188448 | 10.45777 | 1.985679 | 4.668385 | 3.460214 | .7816083 | .5215356 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0947749 | -.034689 | .3048388 | -.100277 | .0122335 | 83.94775 | .4258157 |
| #2 | .1049575 | -.038931 | .3141653 | -.105820 | .0120890 | 83.11711 | .4217566 |
| #3 | .0984454 | -.042804 | .3165590 | -.110090 | .0114575 | 82.66496 | .4222817 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0130290 | .0215715 | 24.21511 | .7535368 | .1258007 | .1608203 | 556.6219 |
| Stddev | .0003696 | .0005213 | .23176   | .0017010 | .0011281 | .0018671 | 5.5812   |
| %RSD   | 2.836903 | 2.416437 | .9571032 | .2257304 | .8967304 | 1.160998 | 1.002685 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0134535 | .0209696 | 24.45145 | .7527515 | .1245935 | .1617499 | 561.4877 |
| #2 | .0128552 | .0218746 | 24.20565 | .7554885 | .1268281 | .1620403 | 557.8486 |
| #3 | .0127784 | .0218703 | 23.98822 | .7523704 | .1259805 | .1586709 | 550.5294 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.395967 | 4.360968 | .0428017 | -.017224 | 2.140434 | .8490813 | .4018245 |
| Stddev | .057745  | .015144  | .0007008 | .000731  | .073065  | .0098222 | .0004330 |
| %RSD   | .9028277 | .3472657 | 1.637408 | 4.245909 | 3.413556 | 1.156805 | .1077527 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.447175 | 4.378255 | .0421017 | -.017169 | 2.072747 | .8602747 | .4017011 |
| #2 | 6.407344 | 4.350040 | .0435034 | -.016521 | 2.130663 | .8419014 | .4014667 |
| #3 | 6.333380 | 4.354609 | .0428000 | -.017981 | 2.217893 | .8450678 | .4023058 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6643882 | 2.056322 | -1.58843 | .0054262 | 1.512845 | 3.941147 | .0967298 |
| Stddev | .0203774 | .037037  | .01902   | .0004483 | .024807  | .062865  | .0009803 |
| %RSD   | 3.067086 | 1.801125 | 1.197556 | 8.261218 | 1.639747 | 1.595086 | 1.013470 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6540504 | 2.013994 | -1.60495 | .0052487 | 1.485343 | 3.994504 | .0957907 |
| #2 | .6878624 | 2.072190 | -1.59269 | .0059361 | 1.533533 | 3.957090 | .0977467 |
| #3 | .6512518 | 2.082780 | -1.56763 | .0050939 | 1.519659 | 3.871845 | .0966521 |



Sample Name: I3270-15      Acquired: 5/23/2017 15:41:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC88      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8301854 | .0221239 | .0834372 |
| Stddev | .0038139 | .0004747 | .0007873 |
| %RSD   | .4594034 | 2.145458 | .9436362 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8341489 | .0225943 | .0841607 |
| #2 | .8298660 | .0216451 | .0835522 |
| #3 | .8265412 | .0221322 | .0825987 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1725.212 | 2549.047 | 60185.66 | 5875.606 | 3465.205 |
| Stddev    | 4.358    | 38.062   | 85.07    | 75.501   | 48.629   |
| %RSD      | .2525892 | 1.493171 | .1413535 | 1.284999 | 1.403346 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1723.061 | 2592.978 | 60155.90 | 5799.791 | 3521.197 |
| #2 | 1730.226 | 2528.200 | 60281.62 | 5876.237 | 3433.549 |
| #3 | 1722.347 | 2525.963 | 60119.46 | 5950.789 | 3440.868 |

Sample Name: I3270-16      Acquired: 5/23/2017 15:45:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0792446 | -.045091 | .3322927 | -.112710 | .0102358 | 98.60578 | 1.962644 |
| Stddev | .0027576 | .002468  | .0034639 | .005891  | .0027856 | .27087   | .006180  |
| %RSD   | 3.479806 | 5.473494 | 1.042422 | 5.226903 | 27.21440 | .2747043 | .3148711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0774152 | -.044159 | .3337195 | -.105930 | .0134321 | 98.71642 | 1.966408 |
| #2 | .0824163 | -.043225 | .3283433 | -.115622 | .0089490 | 98.80382 | 1.966012 |
| #3 | .0779022 | -.047890 | .3348153 | -.116578 | .0083261 | 98.29709 | 1.955512 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0113740 | .0218886 | 17.65130 | .7096651 | .1265852 | .1407092 | 564.4422 |
| Stddev | .0002777 | .0004133 | .08587   | .0140546 | .0018828 | .0019330 | 2.1759   |
| %RSD   | 2.441550 | 1.888346 | .4864887 | 1.980458 | 1.487364 | 1.373731 | .3854876 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0116932 | .0217190 | 17.74797 | .6987084 | .1265458 | .1413366 | 565.5992 |
| #2 | .0111880 | .0215872 | 17.58386 | .7047754 | .1247225 | .1385404 | 565.7951 |
| #3 | .0112408 | .0223598 | 17.62207 | .7255114 | .1284874 | .1422505 | 561.9323 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.74507 | 4.160861 | .0394489 | -.016337 | 2.341224 | .8322704 | .2304404 |
| Stddev | .11765   | .023033  | .0009114 | .001354  | .080084  | .0040852 | .0058198 |
| %RSD   | .4240561 | .5535753 | 2.310300 | 8.288206 | 3.420587 | .4908541 | 2.525495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.83199 | 4.134299 | .0391049 | -.015235 | 2.283291 | .8346010 | .2308914 |
| #2 | 27.79204 | 4.175324 | .0387597 | -.015926 | 2.307771 | .8346570 | .2244082 |
| #3 | 27.61119 | 4.172960 | .0404823 | -.017848 | 2.432610 | .8275533 | .2360215 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5887195 | 1.846732 | -1.61874 | .0053415 | .3763809 | 2.645555 | .0196131 |
| Stddev | .0135740 | .021534  | .00768   | .0003399 | .0189822 | .025451  | .0021473 |
| %RSD   | 2.305673 | 1.166033 | .4746795 | 6.363680 | 5.043344 | .9620335 | 10.94820 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5730547 | 1.847064 | -1.62169 | .0055585 | .3547477 | 2.617191 | .0173259 |
| #2 | .5960883 | 1.825035 | -1.61002 | .0055161 | .3841436 | 2.653077 | .0199275 |
| #3 | .5970153 | 1.868098 | -1.62451 | .0049497 | .3902515 | 2.666397 | .0215858 |

Sample Name: I3270-16      Acquired: 5/23/2017 15:45:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC89      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6288212 | .0238361 | .0789097 |
| Stddev | .0048574 | .0003466 | .0001281 |
| %RSD   | .7724552 | 1.454147 | .1623357 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6275793 | .0234362 | .0790572 |
| #2 | .6341790 | .0240221 | .0788451 |
| #3 | .6247054 | .0240500 | .0788267 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1715.423 | 2487.094 | 59358.01 | 5865.410 | 3401.668 |
| Stddev    | 26.033   | 21.643   | 876.62   | 28.657   | 32.318   |
| %RSD      | 1.517582 | .8702219 | 1.476842 | .4885706 | .9500626 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1714.987 | 2487.348 | 59847.71 | 5841.412 | 3399.810 |
| #2 | 1741.672 | 2508.609 | 59880.36 | 5857.680 | 3434.874 |
| #3 | 1689.611 | 2465.325 | 58345.94 | 5897.139 | 3370.318 |

Sample Name: I3270-17      Acquired: 5/23/2017 15:49:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC90      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4428388 | -.069117 | 6.690778 | -.133266 | .0326519 | 111.0565 | 4.452159 |
| Stddev | .0053206 | .001775  | .027068  | .003508  | .0008552 | .4605    | .021758  |
| %RSD   | 1.201476 | 2.567585 | .4045496 | 2.632419 | 2.619276 | .4146476 | .4886978 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4368734 | -.067290 | 6.686944 | -.134581 | .0335619 | 111.1122 | 4.457999 |
| #2 | .4470938 | -.070835 | 6.665831 | -.135926 | .0318647 | 111.4867 | 4.470401 |
| #3 | .4445493 | -.069225 | 6.719558 | -.129290 | .0325292 | 110.5707 | 4.428078 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0186176 | .0557619 | 196.3893 | .3691180 | .1470631 | 2.145462 | 602.5612 |
| Stddev | .0003088 | .0003364 | .1493    | .0023395 | .0013159 | .013115  | .7244    |
| %RSD   | 1.658511 | .6033321 | .0760061 | .6338169 | .8947951 | .6112802 | .1202172 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0189376 | .0554924 | 196.4442 | .3688172 | .1466345 | 2.150554 | 603.1807 |
| #2 | .0183214 | .0556544 | 196.5034 | .3715933 | .1460149 | 2.155267 | 602.7383 |
| #3 | .0185938 | .0561390 | 196.2204 | .3669434 | .1485399 | 2.130565 | 601.7647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.25127 | 39.90235 | .3172324 | -.016827 | 6.150230 | .5411777 | 7.618797 |
| Stddev | .05899   | .09175   | .0017052 | .000228  | .109759  | .0011240 | .043807  |
| %RSD   | .2912711 | .2299408 | .5375287 | 1.353071 | 1.784639 | .2077048 | .5749909 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.30415 | 39.85773 | .3172065 | -.016878 | 6.228390 | .5415248 | 7.614871 |
| #2 | 20.26200 | 40.00788 | .3155402 | -.017024 | 6.024748 | .5420873 | 7.577085 |
| #3 | 20.18765 | 39.84144 | .3189503 | -.016578 | 6.197553 | .5399211 | 7.664435 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.44438 | 12.23811 | -1.57204 | .0232758 | 33.45724 | 9.569081 | 1.698623 |
| Stddev | .06864   | .05051   | .00989   | .0002246 | .14698   | .023882  | .005585  |
| %RSD   | .4752201 | .4127449 | .6292210 | .9651241 | .4393098 | .2495707 | .3287841 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.49926 | 12.18570 | -1.58296 | .0234442 | 33.35148 | 9.574107 | 1.692191 |
| #2 | 14.46647 | 12.24215 | -1.56947 | .0233624 | 33.39517 | 9.590050 | 1.701439 |
| #3 | 14.36742 | 12.28648 | -1.56368 | .0230207 | 33.62508 | 9.543087 | 1.702239 |

Sample Name: I3270-17      Acquired: 5/23/2017 15:49:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC90      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.951433 | .1866715 | 1.202085 |
| Stddev | .009970  | .0004028 | .003789  |
| %RSD   | .3377875 | .2157665 | .3151940 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.943555 | .1868372 | 1.203790 |
| #2 | 2.962642 | .1869649 | 1.204722 |
| #3 | 2.948103 | .1862123 | 1.197743 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1737.596 | 2496.326 | 62290.14 | 6262.005 | 3015.163 |
| Stddev    | 2.920    | 4.013    | 114.02   | 15.694   | 4.731    |
| %RSD      | .1680622 | .1607632 | .1830466 | .2506283 | .1568978 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1740.830 | 2496.338 | 62276.38 | 6252.553 | 3015.582 |
| #2 | 1736.805 | 2492.307 | 62183.63 | 6253.340 | 3019.670 |
| #3 | 1735.153 | 2500.333 | 62410.42 | 6280.122 | 3010.237 |

Sample Name: I3270-18      Acquired: 5/23/2017 15:53:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC91      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3678853 | -.104822 | 7.602016 | -.187869 | .0159103 | 94.87885 |
| Stddev | .0027977 | .000226  | .015707  | .002742  | .0021579 | .32377   |
| %RSD   | .7604730 | .2154593 | .2066176 | 1.459420 | 13.56289 | .3412499 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3681203 | -.104872 | 7.596289 | -.187618 | .0139104 | 94.61965 |
| #2 | .3705581 | -.104575 | 7.589975 | -.190727 | .0181974 | 95.24178 |
| #3 | .3649775 | -.105019 | 7.619782 | -.185261 | .0156231 | 94.77513 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.250635 | .0191626 | .0672335 | 167.6972 | .1721842 | .1859594 |
| Stddev | .016254  | .0001218 | .0002381 | .3310    | .0006542 | .0007915 |
| %RSD   | .3095562 | .6354906 | .3541791 | .1973868 | .3799225 | .4256145 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.234189 | .0191233 | .0669712 | 167.9957 | .1726830 | .1852878 |
| #2 | 5.266689 | .0192992 | .0672929 | 167.7548 | .1714436 | .1857585 |
| #3 | 5.251029 | .0190654 | .0674362 | 167.3412 | .1724260 | .1868320 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.950504 | F 838.1644 | 23.09900 | 24.05226 | .2199923 | -.024197 |
| Stddev | .013289  | 1.1515     | .04605   | .10680   | .0007332 | .000039  |
| %RSD   | .6813273 | .1373871   | .1993532 | .4440327 | .3332740 | .1609522 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.936071 | 839.4634 | 23.13079 | 23.97810 | .2202343 | -.024237 |
| #2 | 1.962233 | 837.7607 | 23.12001 | 24.00400 | .2191686 | -.024195 |
| #3 | 1.953209 | 837.2691 | 23.04619 | 24.17467 | .2205738 | -.024160 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.463807 | .3822329 | 7.184921 | 12.64209 | 12.61857 | -2.26608 |
| Stddev | .089921  | .0013357 | .083302  | .04212   | .03457   | .00910   |
| %RSD   | 1.391143 | .3494422 | 1.159398 | .3331892 | .2739617 | .4016563 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 6.482163 | .3828550 | 7.241931 | 12.62863 | 12.60405 | -2.25562 |
| #2 | 6.543132 | .3831441 | 7.223508 | 12.68929 | 12.59363 | -2.27048 |
| #3 | 6.366124 | .3806997 | 7.089322 | 12.60834 | 12.65803 | -2.27215 |

Sample Name: I3270-18      Acquired: 5/23/2017 15:53:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC91      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0183576 | 27.18837 | 8.297224 | 1.598117 | 2.388794 | .1695116 |
| Stddev | .0001160 | .10509   | .039870  | .008310  | .003407  | .0012832 |
| %RSD   | .6320294 | .3865377 | .4805232 | .5199708 | .1426298 | .7569779 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0183855 | 27.19588 | 8.251940 | 1.595034 | 2.384861 | .1680336 |
| #2 | .0182301 | 27.07973 | 8.327054 | 1.591788 | 2.390673 | .1701612 |
| #3 | .0184571 | 27.28951 | 8.312678 | 1.607527 | 2.390847 | .1703402 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .9705400 |
| Stddev | .0020031 |
| %RSD   | .2063936 |

|    |          |
|----|----------|
| #1 | .9683590 |
| #2 | .9722975 |
| #3 | .9709636 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1723.065 | 2469.585 | 61752.14 | 6174.930 | 3017.763 |
| Stddev    | 13.834   | 5.690    | 316.46   | 24.282   | 2.706    |
| %RSD      | .8028810 | .2304140 | .5124735 | .3932408 | .0896856 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1714.702 | 2470.417 | 61570.02 | 6180.360 | 3020.879 |
| #2 | 1715.461 | 2463.525 | 61568.83 | 6148.393 | 3016.002 |
| #3 | 1739.034 | 2474.814 | 62117.56 | 6196.038 | 3016.407 |

Sample Name: I3270-19      Acquired: 5/23/2017 15:57:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC92      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3443395 | -.201560 | 21.41083 | -.326390 | .0870310 | 139.2378 |
| Stddev | .0029963 | .001441  | .10112   | .005037  | .0007702 | .2821    |
| %RSD   | .8701574 | .7147185 | .4722699 | 1.543167 | .8850096 | .2025920 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3467972 | -.199899 | 21.35364 | -.327798 | .0875779 | 139.0668 |
| #2 | .3452197 | -.202327 | 21.35128 | -.320799 | .0873650 | 139.0832 |
| #3 | .3410017 | -.202456 | 21.52758 | -.330573 | .0861502 | 139.5633 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.299345 | .0279460 | .1830407 | 318.9514 | .3398277 | .2266825 |
| Stddev | .028579  | .0001149 | .0009987 | 1.3958   | .0007357 | .0016117 |
| %RSD   | .3915301 | .4110479 | .5455934 | .4376310 | .2165036 | .7109738 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.266836 | .0279544 | .1830393 | 320.3993 | .3403009 | .2249275 |
| #2 | 7.310684 | .0280565 | .1820426 | 317.6142 | .3402022 | .2270239 |
| #3 | 7.320514 | .0278272 | .1840400 | 318.8407 | .3389801 | .2280961 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.959946 | F 1368.585 | 15.20787 | 27.54802 | .2981604 | -.033850 |
| Stddev | .006976  | 5.488      | .06262   | .07851   | .0012129 | .000785  |
| %RSD   | .2356911 | .4009738   | .4117666 | .2849934 | .4068088 | 2.319752 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.954018 | 1373.073 | 15.26791 | 27.61412 | .2967682 | -.033888 |
| #2 | 2.958187 | 1362.467 | 15.14295 | 27.56869 | .2989890 | -.034615 |
| #3 | 2.967634 | 1370.216 | 15.21277 | 27.46124 | .2987240 | -.033046 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 9.791205 | .3786182 | 29.03332 | 21.36165 | 25.64753 | ^ ***** |
| Stddev | .150574  | .0026155 | .17175   | .07482   | .16469   | -----   |
| %RSD   | 1.537851 | .6908055 | .5915558 | .3502474 | .6421201 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 9.651203 | .3779207 | 29.23123 | 21.29623 | 25.55640 | ^ ----- |
| #2 | 9.771920 | .3815118 | 28.92337 | 21.34551 | 25.54855 | ^ ----- |
| #3 | 9.950492 | .3764222 | 28.94536 | 21.44323 | 25.83764 | ^ ----- |



Sample Name: I3270-19      Acquired: 5/23/2017 15:57:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC92      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0096100 | 36.64599 | 5.754398 | 11.28329 | 3.001078 | .1959020 |
| Stddev | .0001566 | .27840   | .016799  | .05030   | .010020  | .0019101 |
| %RSD   | 1.629002 | .7596940 | .2919379 | .4457738 | .3338763 | .9750084 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0094586 | 36.53248 | 5.740693 | 11.26127 | 3.007370 | .1942197 |
| #2 | .0096001 | 36.44229 | 5.749362 | 11.24777 | 2.989523 | .1955081 |
| #3 | .0097713 | 36.96322 | 5.773140 | 11.34085 | 3.006340 | .1979784 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.561403 |
| Stddev | .004557  |
| %RSD   | .2918238 |

|    |          |
|----|----------|
| #1 | 1.557134 |
| #2 | 1.560875 |
| #3 | 1.566201 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1715.884 | 2480.408 | 62766.61 | 6371.042 | 2727.551 |
| Stddev    | 8.130    | 6.223    | 253.25   | 11.127   | 12.150   |
| %RSD      | .4737828 | .2509042 | .4034761 | .1746490 | .4454553 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1706.611 | 2484.197 | 62484.65 | 6360.523 | 2728.873 |
| #2 | 1721.785 | 2483.802 | 62974.73 | 6382.690 | 2738.986 |
| #3 | 1719.256 | 2473.226 | 62840.46 | 6369.912 | 2714.794 |

Sample Name: I3270-20      Acquired: 5/23/2017 16:01:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC93      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1888063 | -.078339 | 6.697564 | -.137086 | .0125781 | 136.4152 | 4.308179 |
| Stddev | .0042513 | .001133  | .015872  | .002502  | .0011066 | .7978    | .026027  |
| %RSD   | 2.251673 | 1.446452 | .2369836 | 1.825400 | 8.798101 | .5848248 | .6041292 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1917576 | -.079413 | 6.680412 | -.137504 | .0138025 | 136.0200 | 4.294232 |
| #2 | .1907278 | -.077155 | 6.711733 | -.139353 | .0116492 | 137.3334 | 4.338207 |
| #3 | .1839334 | -.078448 | 6.700547 | -.134401 | .0122825 | 135.8921 | 4.292098 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0239654 | .0647296 | 268.1588 | .4305969 | .1604493 | 1.279366 | 627.9736 |
| Stddev | .0001747 | .0003627 | 2.0001   | .0026283 | .0011124 | .007582  | 5.3609   |
| %RSD   | .7290862 | .5602761 | .7458787 | .6103880 | .6932742 | .5926070 | .8536904 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0237656 | .0643112 | 266.5146 | .4321645 | .1594872 | 1.276074 | 624.7861 |
| #2 | .0240415 | .0649229 | 270.3855 | .4275626 | .1616673 | 1.288037 | 634.1629 |
| #3 | .0240892 | .0649546 | 267.5762 | .4320637 | .1601933 | 1.273987 | 624.9717 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.27218 | 28.95435 | .1727567 | -.017413 | 4.866299 | .5549479 | 9.053517 |
| Stddev | .13960   | .16004   | .0008471 | .000416  | .107779  | .0072931 | .005602  |
| %RSD   | .9781344 | .5527243 | .4903199 | 2.386763 | 2.214805 | 1.314200 | .0618744 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.20732 | 28.85123 | .1729440 | -.017644 | 4.872673 | .5544593 | 9.049606 |
| #2 | 14.43241 | 29.13872 | .1734943 | -.016933 | 4.970749 | .5624731 | 9.059935 |
| #3 | 14.17680 | 28.87312 | .1718316 | -.017662 | 4.755474 | .5479114 | 9.051012 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.03514 | 19.31184 | -1.70530 | .0102409 | 33.35952 | 6.464595 | 2.036325 |
| Stddev | .05390   | .05159   | .01540   | .0001622 | .07089   | .049417  | .007688  |
| %RSD   | .3361282 | .2671317 | .9029288 | 1.584317 | .2125147 | .7644201 | .3775648 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.00879 | 19.25257 | -1.69500 | .0103924 | 33.30493 | 6.441015 | 2.027621 |
| #2 | 16.09715 | 19.33635 | -1.72301 | .0100697 | 33.43964 | 6.521385 | 2.042190 |
| #3 | 15.99949 | 19.34661 | -1.69790 | .0102606 | 33.33397 | 6.431386 | 2.039165 |

Sample Name: I3270-20      Acquired: 5/23/2017 16:01:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC93      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.856890 | .1645647 | .9972128 |
| Stddev | .014918  | .0012904 | .0056252 |
| %RSD   | .8033619 | .7841526 | .5640954 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.848852 | .1637653 | .9929540 |
| #2 | 1.874103 | .1660534 | 1.003590 |
| #3 | 1.847715 | .1638753 | .995095  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1822.252 | 2615.522 | 65166.47 | 6534.321 | 2946.198 |
| Stddev    | 7.576    | 1.957    | 186.42   | 44.641   | 3.647    |
| %RSD      | .4157280 | .0748361 | .2860619 | .6831720 | .1237796 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1830.950 | 2613.668 | 65377.67 | 6569.629 | 2950.391 |
| #2 | 1817.099 | 2617.568 | 65096.93 | 6484.143 | 2943.770 |
| #3 | 1818.706 | 2615.331 | 65024.82 | 6549.192 | 2944.433 |

Sample Name: I3270-21      Acquired: 5/23/2017 16:05:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC94      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2402704 | -.129630 | 11.21383 | -.219092 | -.028099 | 135.2356 |
| Stddev | .0011271 | .000059  | .03236   | .006515  | .002559  | .5788    |
| %RSD   | .4690773 | .0451806 | .2886093 | 2.973566 | 9.108671 | .4279891 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2415131 | -.129657 | 11.21689 | -.216483 | -.027085 | 135.7209 |
| #2 | .2393143 | -.129563 | 11.18004 | -.214286 | -.026201 | 134.5950 |
| #3 | .2399838 | -.129671 | 11.24455 | -.226507 | -.031010 | 135.3908 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.666613 | .0247578 | .1056424 | 298.3571 | .3844091 | .1867187 |
| Stddev | .040512  | .0002069 | .0000423 | .5027    | .0029150 | .0009702 |
| %RSD   | .7149285 | .8356603 | .0400260 | .1684799 | .7582982 | .5196002 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.698717 | .0248371 | .1055978 | 298.8599 | .3813027 | .1857905 |
| #2 | 5.621095 | .0245230 | .1056474 | 297.8545 | .3870847 | .1866395 |
| #3 | 5.680027 | .0249132 | .1056819 | 298.3570 | .3848398 | .1877260 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.837090 | F 934.7939 | 15.48275 | 47.37457 | .2006171 | -.024611 |
| Stddev | .010191  | 1.1247     | .07201   | .04386   | .0005493 | .000021  |
| %RSD   | .5547145 | .1203182   | .4651094 | .0925724 | .2737907 | .0855351 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.839680 | 933.7924 | 15.40165 | 47.40268 | .2008845 | -.024618 |
| #2 | 1.825854 | 934.5786 | 15.50742 | 47.32404 | .2009816 | -.024628 |
| #3 | 1.845735 | 936.0107 | 15.53919 | 47.39700 | .1999854 | -.024587 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 6.860537 | .4754927 | 17.21526 | 17.20656 | 27.36931 | ^ ***** |
| Stddev | .165116  | .0036333 | .15900   | .16560   | .04204   | -----   |
| %RSD   | 2.406754 | .7641199 | .9236029 | .9624081 | .1535879 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 6.912250 | .4790083 | 17.05427 | 17.34136 | 27.32236 | ^ ----- |
| #2 | 6.675753 | .4717520 | 17.37219 | 17.02171 | 27.38213 | ^ ----- |
| #3 | 6.993607 | .4757177 | 17.21932 | 17.25662 | 27.40344 | ^ ----- |

Sample Name: I3270-21      Acquired: 5/23/2017 16:05:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC94      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0124749 | 33.29270 | 7.991439 | 6.027648 | 1.875029 | .1925378 |
| Stddev | .0003198 | .11736   | .019756  | .007996  | .003317  | .0009613 |
| %RSD   | 2.563385 | .3525161 | .2472135 | .1326478 | .1769131 | .4992890 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0123270 | 33.35553 | 7.999058 | 6.023223 | 1.876961 | .1932300 |
| #2 | .0122559 | 33.15730 | 7.969008 | 6.022843 | 1.871199 | .1914402 |
| #3 | .0128419 | 33.36527 | 8.006250 | 6.036878 | 1.876927 | .1929432 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.330244 |
| Stddev | .006485  |
| %RSD   | .4875229 |

|    |          |
|----|----------|
| #1 | 1.334368 |
| #2 | 1.322769 |
| #3 | 1.333595 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1757.754 | 2527.715 | 63676.83 | 6433.491 | 2827.265 |
| Stddev    | 5.560    | 6.727    | 295.22   | 6.124    | 6.359    |
| %RSD      | .3163035 | .2661326 | .4636155 | .0951833 | .2249289 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1763.828 | 2527.220 | 63871.86 | 6437.050 | 2827.347 |
| #2 | 1756.518 | 2534.675 | 63337.19 | 6437.003 | 2833.583 |
| #3 | 1752.916 | 2521.248 | 63821.44 | 6426.420 | 2820.865 |

Sample Name: I3270-22      Acquired: 5/23/2017 16:09:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2512138 | -.437072 | 19.02474 | -.666927 | -.055231 | 109.5002 |
| Stddev | .0070565 | .004037  | .03458   | .004666  | .002544  | .0864    |
| %RSD   | 2.808967 | .9236303 | .1817742 | .6996027 | 4.606403 | .0788761 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2463381 | -.440750 | 19.06060 | -.663435 | -.056603 | 109.5027 |
| #2 | .2593054 | -.437713 | 18.99159 | -.665120 | -.052295 | 109.5853 |
| #3 | .2479978 | -.432753 | 19.02202 | -.672226 | -.056794 | 109.4126 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.725057 | .0322881 | .6704362 | 272.9105 | .1314563 | .3384842 |
| Stddev | .009953  | .0001100 | .0016741 | .2343    | .0055240 | .0018720 |
| %RSD   | .1738427 | .3405760 | .2497035 | .0858704 | 4.202142 | .5530445 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.729904 | .0324117 | .6722681 | 272.6403 | .1252548 | .3405159 |
| #2 | 5.731658 | .0322012 | .6689856 | 273.0591 | .1332648 | .3368292 |
| #3 | 5.713610 | .0322513 | .6700551 | 273.0320 | .1358493 | .3381076 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.743058 | F 2872.670 | 18.95703 | 33.11713 | .2158546 | -.079218 |
| Stddev | .003580  | 12.665     | .04338   | .14293   | .0009564 | .000904  |
| %RSD   | .2053599 | .4408859   | .2288344 | .4315809 | .4430896 | 1.140960 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.747175 | 2887.265 | 19.00710 | 33.20076 | .2156134 | -.079217 |
| #2 | 1.740683 | 2864.569 | 18.93082 | 32.95209 | .2150419 | -.078315 |
| #3 | 1.741316 | 2866.177 | 18.93316 | 33.19853 | .2169086 | -.080122 |

|        |          |          |            |          |          |         |
|--------|----------|----------|------------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm     |
| Avg    | 13.85958 | .3110265 | F 187.6666 | 11.87032 | 13.83184 | ^ ***** |
| Stddev | .00786   | .0031652 | 1.4626     | .05268   | .04435   | -----   |
| %RSD   | .0566943 | 1.017661 | .7793572   | .4437991 | .3206406 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 13.85074 | .3128565 | 188.8451 | 11.90322 | 13.88151 | ^ ----- |
| #2 | 13.86579 | .3128514 | 188.1250 | 11.89819 | 13.81780 | ^ ----- |
| #3 | 13.86219 | .3073717 | 186.0297 | 11.80956 | 13.79620 | ^ ----- |

Sample Name: I3270-22      Acquired: 5/23/2017 16:09:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.028776 | 49.71535 | 11.81923 | 16.06893 | .9504891 | .1554537 |
| Stddev | .000887  | .02914   | .02981   | .02081   | .0045190 | .0005219 |
| %RSD   | 3.081014 | .0586224 | .2522117 | .1295085 | .4754375 | .3357028 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.028971 | 49.74583 | 11.84893 | 16.09219 | .9533455 | .1551086 |
| #2 | -.029548 | 49.68775 | 11.78932 | 16.06253 | .9528427 | .1560541 |
| #3 | -.027808 | 49.71248 | 11.81944 | 16.05208 | .9452791 | .1551985 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .9541464 |
| Stddev | .0011078 |
| %RSD   | .1161064 |

|    |          |
|----|----------|
| #1 | .9545557 |
| #2 | .9549912 |
| #3 | .9528921 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1567.994 | 2304.112 | 59449.45 | 6045.910 | 2493.032 |
| Stddev    | 7.848    | 1.887    | 36.86    | 23.223   | 6.778    |
| %RSD      | .5005155 | .0818763 | .0619948 | .3841113 | .2718787 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1559.442 | 2302.704 | 59408.85 | 6022.401 | 2485.210 |
| #2 | 1569.675 | 2303.377 | 59480.80 | 6068.836 | 2496.704 |
| #3 | 1574.866 | 2306.255 | 59458.71 | 6046.493 | 2497.182 |

Sample Name: I3270-23      Acquired: 5/23/2017 16:13:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0779211 | -.054103 | 1.178948 | -.085532 | .0074216 | 130.0546 | 2.704892 |
| Stddev | .0019794 | .001285  | .002199  | .003283  | .0017896 | .3535    | .006574  |
| %RSD   | 2.540316 | 2.374655 | .1864919 | 3.838425 | 24.11323 | .2718342 | .2430419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0772294 | -.054911 | 1.179079 | -.086776 | .0082513 | 129.8663 | 2.700245 |
| #2 | .0801536 | -.052621 | 1.181078 | -.088011 | .0053677 | 130.4624 | 2.712413 |
| #3 | .0763803 | -.054776 | 1.176686 | -.081809 | .0086457 | 129.8350 | 2.702017 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0223525 | .0289550 | 90.64622 | .2488456 | .1288960 | .3024347 | 393.8584 |
| Stddev | .0002179 | .0001657 | .35722   | .0012902 | .0006136 | .0007032 | .4273    |
| %RSD   | .9745925 | .5722955 | .3940762 | .5184659 | .4760753 | .2324968 | .1084827 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0222982 | .0291425 | 90.28356 | .2475546 | .1292229 | .3032245 | 393.6549 |
| #2 | .0225924 | .0288945 | 90.65738 | .2501350 | .1292769 | .3018768 | 394.3494 |
| #3 | .0221669 | .0288281 | 90.99772 | .2488471 | .1281881 | .3022028 | 393.5709 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.24909 | 22.43204 | .0850482 | -.013060 | 2.130178 | .4622252 | 1.696403 |
| Stddev | .01761   | .15228   | .0006495 | .000123  | .096290  | .0031643 | .026450  |
| %RSD   | .1236002 | .6788542 | .7636659 | .9395432 | 4.520285 | .6845820 | 1.559166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.24270 | 22.41744 | .0846987 | -.012919 | 2.232721 | .4612748 | 1.671048 |
| #2 | 14.26901 | 22.59110 | .0857976 | -.013135 | 2.041685 | .4596450 | 1.723826 |
| #3 | 14.23557 | 22.28759 | .0846483 | -.013127 | 2.116127 | .4657558 | 1.694333 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.951253 | 6.500701 | -1.15243 | -.000692 | 12.22924 | 7.072033 | .2563443 |
| Stddev | .027173  | .005312  | .00384   | .000115  | .03626   | .021477  | .0025009 |
| %RSD   | .3909064 | .0817213 | .3332147 | 16.57789 | .2965341 | .3036887 | .9755979 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.959083 | 6.502394 | -1.14892 | -.000560 | 12.19113 | 7.050342 | .2535716 |
| #2 | 6.973651 | 6.504961 | -1.15184 | -.000745 | 12.23328 | 7.072469 | .2584297 |
| #3 | 6.921025 | 6.494749 | -1.15653 | -.000771 | 12.26332 | 7.093289 | .2570315 |



Sample Name: I3270-23      Acquired: 5/23/2017 16:13:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2483567 | .0704113 | .3640480 |
| Stddev | .0003161 | .0005812 | .0006937 |
| %RSD   | .1272730 | .8254441 | .1905602 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2486004 | .0704538 | .3639255 |
| #2 | .2484702 | .0709700 | .3634236 |
| #3 | .2479995 | .0698099 | .3647948 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2079.930 | 2983.235 | 72807.93 | 7247.846 | 3169.420 |
| Stddev    | 11.094   | 7.064    | 20.13    | 15.984   | 7.446    |
| %RSD      | .5333754 | .2367915 | .0276532 | .2205347 | .2349442 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2071.111 | 2986.385 | 72829.62 | 7264.283 | 3174.433 |
| #2 | 2092.386 | 2988.175 | 72804.32 | 7246.897 | 3172.963 |
| #3 | 2076.293 | 2975.143 | 72789.84 | 7232.357 | 3160.864 |

Sample Name: PB99203BL      Acquired: 5/23/2017 16:17:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.000129 | -.001558 | -.001121 | .0022793 | -.001414 | .0135552 | -.003380 |
| Stddev | .002899  | .001223  | .000337  | .0016596 | .000094  | .0015377 | .000158  |
| %RSD   | 2253.344 | 78.46900 | 30.05167 | 72.81216 | 6.637218 | 11.34412 | 4.662359 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001086 | -.001693 | -.001491 | .0004111 | -.001397 | .0152558 | -.003435 |
| #2 | .003128  | -.000274 | -.001036 | .0028434 | -.001329 | .0122627 | -.003202 |
| #3 | -.002428 | -.002709 | -.000834 | .0035832 | -.001515 | .0131471 | -.003503 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000406 | -.000114 | -.029267 | .0002449 | .0002889 | .0008450 | .0263349 |
| Stddev | .0000144 | .000034  | .003196  | .0001992 | .0002013 | .0004901 | .0017538 |
| %RSD   | 35.40057 | 30.12959 | 10.92068 | 81.34671 | 69.70512 | 58.00340 | 6.659691 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000259 | -.000145 | -.028564 | .0001153 | .0004896 | .0007613 | .0272720 |
| #2 | .0000412 | -.000121 | -.032757 | .0004744 | .0002899 | .0013715 | .0243116 |
| #3 | .0000546 | -.000077 | -.026482 | .0001451 | .0000869 | .0004021 | .0274211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002041 | -.009833 | -.000151 | .0006201 | -.153686 | -.001809 | .0069039 |
| Stddev | .0016221 | .036164  | .000134  | .0001723 | .170535  | .002389  | .0094160 |
| %RSD   | 794.7700 | 367.7746 | 88.53911 | 27.78069 | 110.9631 | 132.0788 | 136.3855 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000973 | -.033173 | -.000236 | .0006304 | -.143994 | -.000823 | .0171559 |
| #2 | -.000469 | .031824  | .000003  | .0004430 | -.328860 | -.004533 | -.001358 |
| #3 | .002054  | -.028151 | -.000221 | .0007871 | .011796  | -.000071 | .004914  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.104859 | -.002422 | -.004279 | -.000070 | -.008775 | -.010428 | .0001406 |
| Stddev | .019162  | .002506  | .000544  | .000095  | .005705  | .000886  | .0004685 |
| %RSD   | 18.27415 | 103.4804 | 12.72350 | 135.2483 | 65.00785 | 8.501005 | 333.3373 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.085665 | -.002352 | -.003729 | -.000148 | -.005982 | -.009408 | .0002111 |
| #2 | -.104922 | .000049  | -.004290 | -.000099 | -.015338 | -.011016 | .0005699 |
| #3 | -.123989 | -.004962 | -.004817 | .000036  | -.005006 | -.010860 | -.000359 |

Sample Name: PB99203BL      Acquired: 5/23/2017 16:17:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0009784 | -.001405 | -.000055 |
| Stddev | .0005385 | .000120  | .000030  |
| %RSD   | 55.04093 | 8.534481 | 54.11771 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0013436 | -.001487 | -.000036 |
| #2 | .0012316 | -.001268 | -.000039 |
| #3 | .0003599 | -.001462 | -.000089 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1765.646 | 2526.342 | 60167.79 | 5602.380 | 4055.234 |
| Stddev    | 6.739    | 4.681    | 125.77   | 22.142   | 6.913    |
| %RSD      | .3816916 | .1852723 | .2090297 | .3952205 | .1704605 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1773.151 | 2531.156 | 60232.63 | 5577.460 | 4063.215 |
| #2 | 1763.675 | 2521.807 | 60022.83 | 5609.890 | 4051.365 |
| #3 | 1760.112 | 2526.063 | 60247.91 | 5619.790 | 4051.123 |

Sample Name: PB99203BS      Acquired: 5/23/2017 16:21:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0222040 | .0615949 | .0210870 | .0747164 | .1278837 | .4250491 |
| Stddev | .0012208 | .0013870 | .0004672 | .0016181 | .0010263 | .0028051 |
| %RSD   | 5.497894 | 2.251820 | 2.215692 | 2.165618 | .8024975 | .6599470 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0234024 | .0629605 | .0211487 | .0728493 | .1268215 | .4270427 |
| #2 | .0222476 | .0601874 | .0205920 | .0755881 | .1288698 | .4218415 |
| #3 | .0209620 | .0616367 | .0215204 | .0757117 | .1279599 | .4262632 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4277874 | .0121376 | .0100628 | 10.42860 | .0238797 | .0997677 |
| Stddev | .0011420 | .0000808 | .0000767 | .07539   | .0002475 | .0002079 |
| %RSD   | .2669600 | .6654070 | .7626855 | .7229564 | 1.036514 | .2083306 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4265354 | .0120460 | .0100548 | 10.34816 | .0237253 | .0995284 |
| #2 | .4280545 | .0121680 | .0101432 | 10.49765 | .0241652 | .0999030 |
| #3 | .4287721 | .0121987 | .0099903 | 10.43998 | .0237486 | .0998717 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0557946 | .2568749 | .0352232 | 10.91383 | .0804616 | .0208402 |
| Stddev | .0003233 | .0184661 | .0003321 | .06764   | .0003306 | .0001035 |
| %RSD   | .5793961 | 7.188756 | .9427900 | .6198022 | .4109241 | .4965144 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0561338 | .2355585 | .0348454 | 10.95745 | .0800800 | .0207945 |
| #2 | .0557600 | .2670790 | .0354688 | 10.83591 | .0806614 | .0209586 |
| #3 | .0554900 | .2679871 | .0353554 | 10.94813 | .0806435 | .0207674 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.58181 | .1111433 | .1194091 | 9.790140 | .0251706 | F .0209018 |
| Stddev | .11739   | .0019118 | .0095854 | .058278  | .0016888 | .0007762   |
| %RSD   | 1.109382 | 1.720142 | 8.027369 | .5952692 | 6.709371 | 3.713383   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.56804 | .1126152 | .1138090 | 9.829980 | .0251729 | .0206523 |
| #2 | 10.47191 | .1089825 | .1139412 | 9.723253 | .0234806 | .0202812 |
| #3 | 10.70548 | .1118321 | .1304771 | 9.817186 | .0268582 | .0217721 |

Sample Name: PB99203BS      Acquired: 5/23/2017 16:21:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0227948 | .5928427 | .2316543 | F .0136550 | .2252470 | .1006044 |
| Stddev | .0001198 | .0090687 | .0005254 | .0000577   | .0012405 | .0001958 |
| %RSD   | .5256165 | 1.529694 | .2267958 | .4226373   | .5507168 | .1946643 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0229063 | .5994856 | .2311663 | .0136408 | .2248190 | .1007461 |
| #2 | .0226681 | .5965316 | .2322104 | .0137185 | .2242772 | .1003809 |
| #3 | .0228101 | .5825109 | .2315862 | .0136057 | .2266448 | .1006862 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2279999 |
| Stddev | .0005365 |
| %RSD   | .2352876 |

|    |          |
|----|----------|
| #1 | .2276614 |
| #2 | .2277198 |
| #3 | .2286184 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1747.712 | 2467.350 | 59086.85 | 5672.876 | 3869.150 |
| Stddev    | 9.621    | 10.829   | 150.57   | 28.591   | 12.242   |
| %RSD      | .5505107 | .4388961 | .2548267 | .5039958 | .3163954 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1751.973 | 2479.396 | 59200.83 | 5699.920 | 3883.103 |
| #2 | 1754.468 | 2464.231 | 59143.54 | 5675.752 | 3864.136 |
| #3 | 1736.696 | 2458.422 | 58916.16 | 5642.956 | 3860.212 |

Sample Name: I3288-01      Acquired: 5/23/2017 16:25:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041582 | -.000153 | .0026589 | .0017563 | -.000466 | .0193899 | .0510330 |
| Stddev | .0010932 | .001194  | .0004477 | .0017313 | .000886  | .0024265 | .0001447 |
| %RSD   | 26.29042 | 780.6366 | 16.83855 | 98.57700 | 190.0347 | 12.51431 | .2836183 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046145 | -.001131 | .0021886 | .0037470 | -.001297 | .0201312 | .0509679 |
| #2 | .0029108 | -.000505 | .0027081 | .0009202 | -.000569 | .0166792 | .0509323 |
| #3 | .0049493 | .001177  | .0030799 | .0006018 | .000467  | .0213593 | .0511989 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000219 | -.000068 | 104.6794 | .0006625 | -.000777 | .0016466 | .0015229 |
| Stddev | .0000242 | .000052  | .3015    | .0001500 | .000217  | .0008145 | .0062465 |
| %RSD   | 110.4439 | 77.37318 | .2880474 | 22.63623 | 27.98774 | 49.46188 | 410.1754 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000262 | -.000121 | 104.3653 | .0008356 | -.000967 | .0024504 | .0071208 |
| #2 | .0000437 | -.000016 | 104.7063 | .0005706 | -.000822 | .0008219 | .0026629 |
| #3 | -.000004 | -.000066 | 104.9665 | .0005814 | -.000540 | .0016676 | -.005215 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0132051 | 39.36965 | .0040027 | .0007178 | 27.62162 | .0003875 | .0089066 |
| Stddev | .0007352 | .17213   | .0000981 | .0001215 | .17795   | .0037029 | .0092561 |
| %RSD   | 5.567590 | .4372174 | 2.449797 | 16.92280 | .6442477 | 955.5386 | 103.9246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0123976 | 39.17185 | .0040350 | .0006101 | 27.74297 | -.003663 | .0178128 |
| #2 | .0133819 | 39.48545 | .0040806 | .0006938 | 27.41734 | .001228  | -.000664 |
| #3 | .0138358 | 39.45165 | .0038926 | .0008495 | 27.70455 | .003598  | .009571  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.172055 | .3973900 | -.004062 | .0009211 | 88.14330 | 10.76067 | -.004151 |
| Stddev | .012320  | .0024497 | .000947  | .0002347 | .25119   | .10204   | .001112  |
| %RSD   | .5672190 | .6164443 | 23.32275 | 25.48131 | .2849741 | .9482435 | 26.79792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.183172 | .4000502 | -.002972 | .0011745 | 87.85344 | 10.72461 | -.002869 |
| #2 | 2.158809 | .3952272 | -.004689 | .0007112 | 88.29718 | 10.68155 | -.004859 |
| #3 | 2.174184 | .3968926 | -.004524 | .0008774 | 88.27928 | 10.87584 | -.004724 |

Sample Name: I3288-01      Acquired: 5/23/2017 16:25:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002364 | .0337673 | .5784045 |
| Stddev | .001627  | .0007064 | .0011731 |
| %RSD   | 68.81521 | 2.091892 | .2028128 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000492 | .0332478 | .5777002 |
| #2 | -.003435 | .0334825 | .5777545 |
| #3 | -.003166 | .0345716 | .5797587 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1595.890 | 2317.639 | 54881.18 | 5521.462 | 3506.640 |
| Stddev    | 76.352   | 6.861    | 2311.59  | 10.425   | 7.051    |
| %RSD      | 4.784316 | .2960242 | 4.211996 | .1888056 | .2010874 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1654.378 | 2317.658 | 56569.14 | 5527.704 | 3513.596 |
| #2 | 1623.777 | 2324.490 | 55827.89 | 5527.254 | 3506.828 |
| #3 | 1509.514 | 2310.769 | 52246.51 | 5509.427 | 3499.497 |

Sample Name: I3288-02      Acquired: 5/23/2017 16:29:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045019 | -.000815 | .0017077 | .0003255 | -.001985 | .0203875 | .0506134 |
| Stddev | .0024921 | .000791  | .0028256 | .0025375 | .000118  | .0073935 | .0005012 |
| %RSD   | 55.35697 | 97.03814 | 165.4595 | 779.4944 | 5.961958 | 36.26498 | .9901477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070961 | .000060  | -.000983 | .0026892 | -.001942 | .0165832 | .0511795 |
| #2 | .0021263 | -.001027 | .001455  | -.002356 | -.001894 | .0156708 | .0504340 |
| #3 | .0042831 | -.001477 | .004651  | .000643  | -.002119 | .0289085 | .0502266 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000116 | -.000137 | 104.5228 | .0005596 | -.000897 | .0017114 | .0106628 |
| Stddev | .0000211 | .000147  | 1.3894   | .0000933 | .000219  | .0013329 | .0127636 |
| %RSD   | 181.3235 | 107.2271 | 1.329243 | 16.67347 | 24.45018 | 77.88517 | 119.7026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000011 | .000025  | 105.4844 | .0004796 | -.001075 | .0031376 | .0054732 |
| #2 | .000015  | -.000262 | 102.9298 | .0005370 | -.000964 | .0004973 | .0013114 |
| #3 | .000031  | -.000174 | 105.1540 | .0006621 | -.000652 | .0014992 | .0252038 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0129498 | 39.30007 | .0040470 | .0003206 | 27.53888 | .0031476 | .0249292 |
| Stddev | .0010156 | .62602   | .0005061 | .0003813 | .30800   | .0016129 | .0159707 |
| %RSD   | 7.842325 | 1.592914 | 12.50468 | 118.9371 | 1.118417 | 51.24079 | 64.06423 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0138043 | 39.88401 | .0036667 | .0007453 | 27.87806 | .0020137 | .0070638 |
| #2 | .0132181 | 38.63911 | .0038529 | .0002084 | 27.27667 | .0049941 | .0299015 |
| #3 | .0118270 | 39.37707 | .0046214 | .0000080 | 27.46190 | .0024352 | .0378223 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.172798 | .3971876 | -.004143 | .0010017 | 88.17689 | 10.72131 | -.003188 |
| Stddev | .043065  | .0017729 | .000658  | .0001093 | .17023   | .19938   | .000607  |
| %RSD   | 1.982009 | .4463746 | 15.89557 | 10.90940 | .1930543 | 1.859699 | 19.02269 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.199037 | .3967287 | -.003915 | .0010867 | 87.98267 | 10.88036 | -.003224 |
| #2 | 2.123097 | .3956892 | -.003628 | .0010399 | 88.24778 | 10.49763 | -.003776 |
| #3 | 2.196262 | .3991449 | -.004885 | .0008784 | 88.30022 | 10.78594 | -.002565 |



Sample Name: I3288-02      Acquired: 5/23/2017 16:29:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001485 | .0333234 | .5785119 |
| Stddev | .000537  | .0015247 | .0099512 |
| %RSD   | 36.17565 | 4.575575 | 1.720137 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001514 | .0346020 | .5856433 |
| #2 | -.000934 | .0316359 | .5671434 |
| #3 | -.002007 | .0337322 | .5827490 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1624.973 | 2302.753 | 55871.18 | 5505.433 | 3493.503 |
| Stddev    | 5.579    | 11.901   | 95.10    | 84.541   | 11.386   |
| %RSD      | .3433067 | .5168099 | .1702193 | 1.535594 | .3259127 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1623.128 | 2315.181 | 55970.37 | 5449.242 | 3503.916 |
| #2 | 1620.550 | 2301.617 | 55780.78 | 5602.660 | 3495.247 |
| #3 | 1631.240 | 2291.461 | 55862.39 | 5464.398 | 3481.346 |

Sample Name: I3288-03      Acquired: 5/23/2017 16:33:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0472310 | .0715775 | .0246843 | .0563411 | .1077442 | 2.092183 | 2.205823 |
| Stddev | .0055283 | .0007084 | .0004182 | .0010980 | .0004097 | .003854  | .005953  |
| %RSD   | 11.70483 | .9897476 | 1.694215 | 1.948760 | .3802802 | .1842071 | .2698695 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0527836 | .0723907 | .0251369 | .0569084 | .1080670 | 2.096573 | 2.205147 |
| #2 | .0417273 | .0712485 | .0243122 | .0550756 | .1072833 | 2.089358 | 2.212085 |
| #3 | .0471820 | .0710935 | .0246039 | .0570393 | .1078824 | 2.090617 | 2.200237 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0571226 | .0487342 | 102.9237 | .2219796 | .5006507 | .2711946 | 1.104180 |
| Stddev | .0003999 | .0001686 | .2242    | .0017188 | .0007776 | .0030060 | .008486  |
| %RSD   | .7001361 | .3459225 | .2178298 | .7743221 | .1553184 | 1.108419 | .7685104 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0575712 | .0488525 | 103.1698 | .2233652 | .5009869 | .2745528 | 1.109653 |
| #2 | .0569933 | .0485412 | 102.7310 | .2225175 | .4997615 | .2687556 | 1.108481 |
| #3 | .0568034 | .0488090 | 102.8704 | .2200562 | .5012036 | .2702753 | 1.094405 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5738431 | 38.58189 | .5036709 | .0245141 | 27.10120 | .5633531 | .4660117 |
| Stddev | .0041842 | .24055   | .0000769 | .0002317 | .09338   | .0059821 | .0018788 |
| %RSD   | .7291484 | .6234749 | .0152754 | .9453553 | .3445720 | 1.061877 | .4031722 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5734708 | 38.85896 | .5037526 | .0245886 | 27.20883 | .5694018 | .4679332 |
| #2 | .5782010 | 38.46034 | .5036604 | .0242542 | 27.05293 | .5574399 | .4659233 |
| #3 | .5698576 | 38.42637 | .5035999 | .0246993 | 27.04182 | .5632175 | .4641787 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.116350 | .3857137 | -.007580 | .0003653 | 86.84762 | 10.53562 | -.004077 |
| Stddev | .029314  | .0022500 | .000487  | .0002093 | .12997   | .06953   | .000464  |
| %RSD   | 1.385138 | .5833314 | 6.427611 | 57.30718 | .1496522 | .6599217 | 11.38606 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.084805 | .3880602 | -.007904 | .0002196 | 86.99540 | 10.61514 | -.003747 |
| #2 | 2.121493 | .3855062 | -.007817 | .0002711 | 86.75108 | 10.50538 | -.003876 |
| #3 | 2.142753 | .3835746 | -.007020 | .0006052 | 86.79638 | 10.48632 | -.004608 |

Sample Name: I3288-03      Acquired: 5/23/2017 16:33:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001743 | .0335046 | .5696992 |
| Stddev | .000457  | .0006653 | .0015295 |
| %RSD   | 26.23048 | 1.985837 | .2684773 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001252 | .0341985 | .5709047 |
| #2 | -.001822 | .0334431 | .5702142 |
| #3 | -.002156 | .0328721 | .5679786 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1624.367 | 2291.902 | 55781.46 | 5493.611 | 3471.721 |
| Stddev    | 9.497    | 10.026   | 68.08    | 27.315   | 6.001    |
| %RSD      | .5846631 | .4374458 | .1220523 | .4972201 | .1728419 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1635.163 | 2301.870 | 55851.51 | 5463.841 | 3476.084 |
| #2 | 1620.633 | 2292.018 | 55777.35 | 5517.521 | 3474.200 |
| #3 | 1617.304 | 2281.819 | 55715.53 | 5499.470 | 3464.878 |

Sample Name: I3288-01LX5      Acquired: 5/23/2017 16:37:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009806 | -.000846 | -.001127 | .0028724 | -.001154 | .0101884 | .0061838 |
| Stddev | .0024942 | .000488  | .000706  | .0011363 | .001426  | .0072038 | .0000396 |
| %RSD   | 254.3410 | 57.70916 | 62.66209 | 39.56093 | 123.5200 | 70.70558 | .6398906 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035381 | -.000345 | -.001857 | .0041707 | -.002635 | .0059226 | .0061440 |
| #2 | -.001445 | -.000872 | -.001079 | .0020585 | -.001038 | .0185057 | .0061841 |
| #3 | .000849  | -.001320 | -.000446 | .0023880 | .000210  | .0061369 | .0062232 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000006 | -.000106 | 20.73867 | .0003750 | -.000557 | .0017712 | -.006066 |
| Stddev | .000038  | .000020  | .14014   | .0004563 | .000074  | .0009618 | .003818  |
| %RSD   | 666.7052 | 18.72098 | .6757183 | 121.6667 | 13.26196 | 54.30132 | 62.94734 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000034  | -.000129 | 20.84174 | .0003096 | -.000472 | .0008231 | -.008519 |
| #2 | -.000010 | -.000096 | 20.79518 | -.000045 | -.000590 | .0027462 | -.001667 |
| #3 | -.000041 | -.000093 | 20.57911 | .000860  | -.000608 | .0017443 | -.008012 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031055 | 7.695978 | .0007346 | .0004990 | 5.276003 | -.003004 | -.011796 |
| Stddev | .0007979 | .092719  | .0002376 | .0001803 | .121364  | .000664  | .004150  |
| %RSD   | 25.69329 | 1.204772 | 32.33783 | 36.12824 | 2.300311 | 22.10998 | 35.17731 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030730 | 7.752547 | .0006696 | .0005220 | 5.413218 | -.002465 | -.011380 |
| #2 | .0039191 | 7.588974 | .0009980 | .0003083 | 5.232057 | -.002802 | -.007870 |
| #3 | .0023243 | 7.746413 | .0005364 | .0006667 | 5.182733 | -.003746 | -.016138 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3347540 | .0712984 | -.004938 | -.000056 | 16.21408 | 2.168044 | -.001360 |
| Stddev | .0089729 | .0021099 | .000559  | .000100  | .20824   | .006659  | .000413  |
| %RSD   | 2.680438 | 2.959199 | 11.32899 | 177.5322 | 1.284339 | .3071414 | 30.33834 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3331831 | .0699596 | -.004567 | -.000171 | 16.06575 | 2.174739 | -.000927 |
| #2 | .3444086 | .0702051 | -.005582 | .000012  | 16.12434 | 2.167969 | -.001406 |
| #3 | .3266703 | .0737306 | -.004666 | -.000010 | 16.45215 | 2.161422 | -.001748 |

Sample Name: I3288-01LX5      Acquired: 5/23/2017 16:37:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MC0HQ8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000447 | .0054953 | .1168712 |
| Stddev | .001359  | .0007598 | .0001056 |
| %RSD   | 303.8382 | 13.82734 | .0903196 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000941  | .0051244 | .1169858 |
| #2 | -.001775 | .0049921 | .1167780 |
| #3 | -.000508 | .0063694 | .1168499 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1684.269 | 2407.822 | 57806.21 | 5501.430 | 3789.081 |
| Stddev    | 5.567    | 19.036   | 144.55   | 29.368   | 34.954   |
| %RSD      | .3305070 | .7905916 | .2500569 | .5338266 | .9224955 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1679.421 | 2419.167 | 57879.37 | 5469.440 | 3806.221 |
| #2 | 1683.037 | 2418.454 | 57639.71 | 5507.680 | 3812.157 |
| #3 | 1690.348 | 2385.845 | 57899.56 | 5527.170 | 3748.865 |

Sample Name: I3288-04      Acquired: 5/23/2017 16:41:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040567 | -.000992 | .0043755 | .0003230 | -.001552 | .0442417 | .7624569 |
| Stddev | .0005278 | .000293  | .0004597 | .0035022 | .000381  | .0092825 | .0020569 |
| %RSD   | 13.01101 | 29.49359 | 10.50593 | 1084.390 | 24.54584 | 20.98129 | .2697752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046640 | -.001329 | .0040595 | -.003104 | -.001991 | .0342259 | .7618429 |
| #2 | .0037967 | -.000838 | .0041642 | .003896  | -.001338 | .0525553 | .7607770 |
| #3 | .0037092 | -.000809 | .0049029 | .000177  | -.001325 | .0459439 | .7647509 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000247 | -.000137 | 96.85567 | .0035358 | -.001101 | .0086364 | .0650798 |
| Stddev | .0000767 | .000063  | .34750   | .0001232 | .000284  | .0008929 | .0036144 |
| %RSD   | 310.9438 | 46.15223 | .3587793 | 3.485216 | 25.80434 | 10.33846 | 5.553850 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000766 | -.000167 | 96.45795 | .0033935 | -.000912 | .0094918 | .0633804 |
| #2 | .0000608 | -.000064 | 97.10056 | .0036058 | -.001428 | .0077103 | .0692307 |
| #3 | -.000063 | -.000179 | 97.00851 | .0036080 | -.000964 | .0087071 | .0626282 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0834417 | 32.82587 | .0019333 | .0005021 | 22.54931 | .0030569 | .0340346 |
| Stddev | .0012073 | .07906   | .0004454 | .0003575 | .04368   | .0057967 | .0120480 |
| %RSD   | 1.446865 | .2408328 | 23.03815 | 71.21431 | .1936886 | 189.6272 | 35.39936 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0821289 | 32.73535 | .0014214 | .0009136 | 22.57599 | -.002746 | .0287712 |
| #2 | .0845042 | 32.88135 | .0021462 | .0003246 | 22.49890 | .003070  | .0478187 |
| #3 | .0836921 | 32.86091 | .0022323 | .0002680 | 22.57302 | .008847  | .0255137 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6495618 | .0345763 | .0498790 | .0020189 | 18.45591 | 10.91312 | -.004335 |
| Stddev | .0047314 | .0015679 | .0001769 | .0002826 | .08780   | .04419   | .000781  |
| %RSD   | .7283992 | 4.534663 | .3547434 | 13.99696 | .4757225 | .4049484 | 18.00577 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6517329 | .0344751 | .0499310 | .0023168 | 18.52560 | 10.91293 | -.003547 |
| #2 | .6441345 | .0361924 | .0496819 | .0017546 | 18.35729 | 10.95741 | -.005108 |
| #3 | .6528180 | .0330615 | .0500242 | .0019852 | 18.48483 | 10.86902 | -.004351 |

Sample Name: I3288-04      Acquired: 5/23/2017 16:41:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000266 | .0333132 | .7777232 |
| Stddev | .001098  | .0005176 | .0038198 |
| %RSD   | 412.3127 | 1.553639 | .4911512 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000727  | .0328349 | .7737632 |
| #2 | -.000082 | .0332420 | .7780210 |
| #3 | -.001445 | .0338627 | .7813854 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1656.284 | 2335.813 | 56588.08 | 5555.357 | 3552.223 |
| Stddev    | 10.736   | 6.055    | 334.23   | 37.147   | 5.289    |
| %RSD      | .6481682 | .2592158 | .5906438 | .6686697 | .1489044 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1666.600 | 2342.154 | 56959.99 | 5598.245 | 3558.315 |
| #2 | 1657.078 | 2330.093 | 56491.41 | 5533.307 | 3549.552 |
| #3 | 1645.173 | 2335.192 | 56312.84 | 5534.519 | 3548.802 |

Sample Name: I3288-05      Acquired: 5/23/2017 16:46:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HR1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0065141 | -.000687 | .0033382 | .0017380 | -.000961 | .0274780 | .0513043 |
| Stddev | .0004831 | .001679  | .0021479 | .0037400 | .001918  | .0056339 | .0006399 |
| %RSD   | 7.415756 | 244.4953 | 64.34324 | 215.1854 | 199.6146 | 20.50319 | 1.247281 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063888 | -.000281 | .0008718 | .0023542 | -.002063 | .0267299 | .0508402 |
| #2 | .0061060 | .000752  | .0047974 | -.002272 | .001254  | .0222555 | .0510383 |
| #3 | .0070474 | -.002532 | .0043454 | .005132  | -.002074 | .0334485 | .0520342 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000422 | -.000228 | 102.2959 | .0008348 | -.000706 | .0010326 | .0030895 |
| Stddev | .0000794 | .000059  | .6049    | .0003982 | .000431  | .0012495 | .0047145 |
| %RSD   | 188.2520 | 25.89246 | .5913539 | 47.70426 | 61.01076 | 120.9984 | 152.5991 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000966 | -.000206 | 102.2300 | .0009022 | -.000834 | -.000389 | -.000197 |
| #2 | -.000049 | -.000295 | 102.9311 | .0004072 | -.000226 | .001528  | .000974  |
| #3 | .000079  | -.000183 | 101.7267 | .0011951 | -.001058 | .001958  | .008491  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0127990 | 38.38085 | .0038574 | .0006182 | 27.24111 | -.000920 | .0138960 |
| Stddev | .0007511 | .18882   | .0001739 | .0000278 | .12620   | .002575  | .0145795 |
| %RSD   | 5.868264 | .4919518 | 4.509010 | 4.492223 | .4632738 | 279.8745 | 104.9187 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0129287 | 38.18501 | .0038388 | .0006049 | 27.12402 | -.002718 | .0114158 |
| #2 | .0134767 | 38.56176 | .0036935 | .0006502 | 27.37478 | .002030  | .0295566 |
| #3 | .0119915 | 38.39577 | .0040398 | .0005997 | 27.22453 | -.002072 | .0007157 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.092520 | .3930847 | -.004739 | .0006789 | 86.62635 | 10.40601 | -.003979 |
| Stddev | .030724  | .0018294 | .001047  | .0001189 | .27533   | .05924   | .000973  |
| %RSD   | 1.468258 | .4653941 | 22.09120 | 17.51033 | .3178341 | .5693281 | 24.46392 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.061676 | .3923398 | -.005152 | .0006969 | 86.31714 | 10.38035 | -.005101 |
| #2 | 2.092762 | .3917453 | -.003548 | .0005520 | 86.84498 | 10.47376 | -.003362 |
| #3 | 2.123122 | .3951690 | -.005516 | .0007877 | 86.71693 | 10.36392 | -.003474 |



Sample Name: I3288-05      Acquired: 5/23/2017 16:46:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MC0HR1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001491 | .0332982 | .5730078 |
| Stddev | .000625  | .0010006 | .0031267 |
| %RSD   | 41.94449 | 3.004987 | .5456591 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000881 | .0330104 | .5705435 |
| #2 | -.001460 | .0344112 | .5765250 |
| #3 | -.002131 | .0324731 | .5719547 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1633.909 | 2304.183 | 56434.78 | 5606.239 | 3511.529 |
| Stddev    | 12.939   | 6.487    | 104.09   | 31.530   | 6.956    |
| %RSD      | .7919141 | .2815375 | .1844390 | .5624161 | .1980914 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1648.839 | 2310.029 | 56535.45 | 5629.594 | 3518.663 |
| #2 | 1625.946 | 2305.316 | 56441.32 | 5570.373 | 3511.157 |
| #3 | 1626.943 | 2297.204 | 56327.58 | 5618.750 | 3504.766 |

Sample Name: I3288-06      Acquired: 5/23/2017 16:50:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MC0HR2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0039630 | -.001697 | .0078709 | .0016989 | -.000920 | .0318085 | .8095765 |
| Stddev | .0026490 | .000683  | .0008654 | .0008791 | .000511  | .0047725 | .0055343 |
| %RSD   | 66.84327 | 40.26438 | 10.99439 | 51.74428 | 55.57982 | 15.00381 | .6836079 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014849 | -.001528 | .0068766 | .0022552 | -.001167 | .0368449 | .8031921 |
| #2 | .0067549 | -.001114 | .0084542 | .0021560 | -.001261 | .0273531 | .8130104 |
| #3 | .0036492 | -.002449 | .0082819 | .0006854 | -.000332 | .0312275 | .8125271 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000484 | -.000087 | 126.8425 | .0036042 | -.001136 | .0660127 | .0394241 |
| Stddev | .0000259 | .000017  | .4429    | .0003425 | .000338  | .0014464 | .0124623 |
| %RSD   | 53.40581 | 19.32141 | .3491567 | 9.502177 | 29.76243 | 2.191046 | 31.61081 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000186 | -.000074 | 126.7255 | .0035614 | -.001004 | .0655814 | .0523448 |
| #2 | .0000622 | -.000106 | 126.4699 | .0039661 | -.000884 | .0648310 | .0384504 |
| #3 | .0000644 | -.000080 | 127.3322 | .0032851 | -.001520 | .0676257 | .0274773 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0481247 | 31.41174 | .0019832 | .0007339 | 21.63255 | -.000945 | .2710550 |
| Stddev | .0012379 | .13511   | .0001108 | .0002675 | .19757   | .002337  | .0145163 |
| %RSD   | 2.572227 | .4301163 | 5.587351 | 36.45498 | .9132887 | 247.2533 | 5.355483 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0478130 | 31.26531 | .0020210 | .0005540 | 21.43072 | .000617  | .2551749 |
| #2 | .0494886 | 31.53156 | .0020702 | .0006063 | 21.64136 | -.003632 | .2836415 |
| #3 | .0470724 | 31.43835 | .0018585 | .0010413 | 21.82557 | .000180  | .2743486 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5769916 | .1635787 | .0464026 | .0015880 | 17.83497 | 10.47461 | -.004094 |
| Stddev | .0350041 | .0049014 | .0009104 | .0001817 | .09647   | .04499   | .000292  |
| %RSD   | 6.066660 | 2.996361 | 1.962029 | 11.44097 | .5409240 | .4295131 | 7.140905 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5365726 | .1602055 | .0467445 | .0017348 | 17.72469 | 10.52484 | -.004430 |
| #2 | .5970775 | .1613296 | .0453707 | .0016444 | 17.87650 | 10.46098 | -.003960 |
| #3 | .5973247 | .1692010 | .0470925 | .0013848 | 17.90372 | 10.43802 | -.003894 |

Sample Name: I3288-06      Acquired: 5/23/2017 16:50:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MC0HR2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002228 | .0333183 | .8051057 |
| Stddev | .000858  | .0002626 | .0038646 |
| %RSD   | 38.50227 | .7881335 | .4800050 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001689 | .0330377 | .8008888 |
| #2 | -.001778 | .0335582 | .8059502 |
| #3 | -.003217 | .0333590 | .8084782 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1657.927 | 2351.714 | 56932.17 | 5631.903 | 3559.150 |
| Stddev    | 9.687    | 13.961   | 149.71   | 4.518    | 19.188   |
| %RSD      | .5843066 | .5936612 | .2629699 | .0802163 | .5391238 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1668.780 | 2361.218 | 57104.63 | 5626.729 | 3576.195 |
| #2 | 1654.846 | 2358.239 | 56835.55 | 5635.062 | 3562.887 |
| #3 | 1650.154 | 2335.685 | 56856.35 | 5633.920 | 3538.368 |

Sample Name: CCV036      Acquired: 5/23/2017 16:54:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.827491 | 4.669462 | 23.35749 | 4.734725 | 4.852686 | 401.7189 |
| Stddev | .018958  | .007124  | .08197   | .015222  | .011800  | 1.2007   |
| %RSD   | .3927091 | .1525738 | .3509161 | .3214948 | .2431585 | .2988820 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.817358 | 4.671604 | 23.32889 | 4.717184 | 4.839095 | 400.4447 |
| #2 | 4.815754 | 4.661513 | 23.29366 | 4.742518 | 4.860314 | 401.8827 |
| #3 | 4.849362 | 4.675270 | 23.44993 | 4.744472 | 4.858650 | 402.8292 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.06184 | .5154781 | 2.399857 | 389.4176 | 14.49854 | 2.427143 |
| Stddev | .04361   | .0026239 | .013338  | 1.0371   | .02483   | .009440  |
| %RSD   | .4334254 | .5090145 | .5557865 | .2663260 | .1712562 | .3889397 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.01724 | .5124492 | 2.400869 | 388.2741 | 14.47014 | 2.421611 |
| #2 | 10.06390 | .5169318 | 2.386042 | 390.2973 | 14.51616 | 2.421774 |
| #3 | 10.10439 | .5170534 | 2.412661 | 389.6816 | 14.50931 | 2.438043 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.19876 | 397.7940 | 14.82783 | 411.0323 | 2.352504 | 1.205287 |
| Stddev | .02920   | 1.6972   | .07107   | .8612    | .007310  | .002461  |
| %RSD   | .1921113 | .4266545 | .4793014 | .2095331 | .3107142 | .2041642 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.18349 | 396.3172 | 14.79872 | 410.2737 | 2.350067 | 1.204814 |
| #2 | 15.18037 | 399.6481 | 14.90883 | 411.9685 | 2.346725 | 1.207950 |
| #3 | 15.23243 | 397.4165 | 14.77594 | 410.8547 | 2.360721 | 1.203097 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 409.0439 | 2.436134 | 14.02847 | 158.5275 | 5.179858 | F 4.335385 |
| Stddev | 1.3241   | .010811  | .06789   | .5249    | .022279  | .035337    |
| %RSD   | .3236945 | .4437673 | .4839230 | .3310816 | .4301063 | .8150899   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 407.5157 | 2.424229 | 14.04909 | 157.9337 | 5.166080 | 4.295181 |
| #2 | 409.7677 | 2.438835 | 13.95267 | 158.7195 | 5.167933 | 4.361525 |
| #3 | 409.8483 | 2.445338 | 14.08366 | 158.9293 | 5.205561 | 4.349449 |

Sample Name: CCV036      Acquired: 5/23/2017 16:54:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | 4.675937 | 4.752207 | 5.181784 | 4.751079 | 5.019627 | 5.227259 |
| Stddev | .015304  | .039072  | .020703  | .017123  | .016725  | .019095  |
| %RSD   | .3272981 | .8221836 | .3995407 | .3603949 | .3331978 | .3652903 |
| #1     | 4.668400 | 4.787014 | 5.157907 | 4.747187 | 5.008426 | 5.209833 |
| #2     | 4.665862 | 4.709945 | 5.192719 | 4.736237 | 5.038852 | 5.224272 |
| #3     | 4.693548 | 4.759661 | 5.194728 | 4.769812 | 5.011603 | 5.247671 |

| Elem   | Sr4077   |
|--------|----------|
| Units  | ppm      |
| Avg    | 5.130132 |
| Stddev | .015111  |
| %RSD   | .2945466 |
| #1     | 5.114318 |
| #2     | 5.131653 |
| #3     | 5.144424 |

| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
|-----------|----------|----------|----------|----------|----------|
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1383.211 | 2005.415 | 49162.14 | 5061.838 | 2544.709 |
| Stddev    | 4.890    | 2.831    | 68.57    | 15.310   | 2.603    |
| %RSD      | .3535327 | .1411900 | .1394828 | .3024555 | .1022802 |
| #1        | 1381.861 | 2006.359 | 49110.45 | 5078.074 | 2545.939 |
| #2        | 1388.634 | 2002.232 | 49136.04 | 5047.664 | 2541.720 |
| #3        | 1379.137 | 2007.654 | 49239.93 | 5059.776 | 2546.470 |

Sample Name: CCB036      Acquired: 5/23/2017 16:58:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.003808 | -.001637 | -.000208 | .0021271 | -.001029 | .0352161 | -.003112 |
| Stddev | .004450  | .000942  | .000574  | .0010471 | .000449  | .0030389 | .000883  |
| %RSD   | 116.8667 | 57.55245 | 275.2564 | 49.22501 | 43.64907 | 8.629427 | 28.37465 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004575 | -.002460 | -.000679 | .0032971 | -.000533 | .0341026 | -.004036 |
| #2 | .000976  | -.001841 | .000431  | .0012780 | -.001146 | .0386548 | -.003025 |
| #3 | -.007824 | -.000610 | -.000377 | .0018062 | -.001409 | .0328909 | -.002276 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000128 | -.000092 | -.007750 | .0011951 | .0001474 | .0011347 | .0385275 |
| Stddev | .000041  | .000044  | .002238  | .0004032 | .0001878 | .0017099 | .0036246 |
| %RSD   | 31.78166 | 47.73155 | 28.87379 | 33.73687 | 127.4339 | 150.6901 | 9.407846 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000145 | -.000132 | -.006781 | .0007559 | .0001843 | .0011938 | .0412021 |
| #2 | -.000158 | -.000045 | -.006160 | .0015485 | .0003139 | -.000604 | .0399783 |
| #3 | -.000082 | -.000099 | -.010309 | .0012808 | -.000056 | .002814  | .0344023 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012018 | .0307237 | -.000452 | .0007173 | -.142656 | -.001978 | .0055338 |
| Stddev | .0015152 | .0203861 | .000181  | .0002446 | .037269  | .002058  | .0261544 |
| %RSD   | 126.0725 | 66.35318 | 40.08796 | 34.09793 | 26.12527 | 104.0552 | 472.6307 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000465 | .0501503 | -.000287 | .0007556 | -.185691 | -.003731 | .0349634 |
| #2 | .001574  | .0094973 | -.000424 | .0009405 | -.121058 | .000288  | -.015053 |
| #3 | .002496  | .0325234 | -.000646 | .0004558 | -.121220 | -.002490 | -.003309 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.776328 | -.001891 | -.000772 | .0006367 | -.069266 | -.015523 | -.000141 |
| Stddev | .021850  | .000323  | .000948  | .0001940 | .007781  | .000465  | .000439  |
| %RSD   | 2.814594 | 17.05860 | 122.8729 | 30.46548 | 11.23382 | 2.992879 | 312.5745 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.796534 | -.001518 | -.000192 | .0008604 | -.061534 | -.015757 | .000294  |
| #2 | -.779311 | -.002070 | -.001866 | .0005146 | -.077096 | -.014988 | -.000131 |
| #3 | -.753139 | -.002084 | -.000257 | .0005351 | -.069168 | -.015823 | -.000585 |

Sample Name: CCB036      Acquired: 5/23/2017 16:58:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0009763 | -.003214 | .0002558 |
| Stddev | .0004495 | .000688  | .0001039 |
| %RSD   | 46.04582 | 21.41286 | 40.62136 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0013831 | -.002425 | .0003756 |
| #2 | .0004937 | -.003525 | .0002011 |
| #3 | .0010520 | -.003692 | .0001907 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1803.252 | 2547.746 | 62124.06 | 5758.730 | 4143.600 |
| Stddev    | 25.865   | 45.573   | 887.98   | 99.222   | 67.265   |
| %RSD      | 1.434340 | 1.788754 | 1.429362 | 1.722980 | 1.623343 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1831.577 | 2590.798 | 63082.33 | 5659.170 | 4204.989 |
| #2 | 1780.889 | 2552.426 | 61329.02 | 5857.610 | 4154.115 |
| #3 | 1797.290 | 2500.013 | 61960.85 | 5759.410 | 4071.698 |

Sample Name: PB99204BL      Acquired: 5/23/2017 17:02:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.002472 | -.001603 | -.000626 | .0043337 | -.001439 | .0066964 | -.004374 |
| Stddev | .002693  | .001614  | .000610  | .0004521 | .000589  | .0041341 | .000727  |
| %RSD   | 108.9449 | 100.7031 | 97.40460 | 10.43279 | 40.91805 | 61.73550 | 16.62966 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000528  | -.003183 | -.000370 | .0047245 | -.001051 | .0100489 | -.005142 |
| #2 | -.003263 | -.001671 | -.000186 | .0038385 | -.002116 | .0079632 | -.004287 |
| #3 | -.004680 | .000044  | -.001323 | .0044381 | -.001149 | .0020772 | -.003695 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000141 | -.000132 | -.036932 | .0004483 | .0000432 | .0009009 | -.004834 |
| Stddev | .000050  | .000071  | .006985  | .0002881 | .0001905 | .0013587 | .009917  |
| %RSD   | 35.51593 | 53.83985 | 18.91382 | 64.26384 | 441.0815 | 150.8269 | 205.1453 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000167 | -.000175 | -.044184 | .0001158 | -.000055 | .0017826 | .005642  |
| #2 | -.000083 | -.000050 | -.036364 | .0006230 | -.000078 | .0015838 | -.006069 |
| #3 | -.000172 | -.000171 | -.030248 | .0006060 | .000263  | -.000664 | -.014076 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000605 | .0060437 | -.000570 | .0005801 | -.364850 | -.001095 | -.005798 |
| Stddev | .000246  | .0051947 | .000093  | .0000522 | .052371  | .002395  | .025532  |
| %RSD   | 40.68192 | 85.95256 | 16.39123 | 9.004358 | 14.35404 | 218.8098 | 440.3417 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000491 | .0033130 | -.000639 | .0005320 | -.321550 | -.001257 | -.011004 |
| #2 | -.000887 | .0027838 | -.000464 | .0006357 | -.349942 | .001378  | .021936  |
| #3 | -.000437 | .0120342 | -.000608 | .0005726 | -.423059 | -.003404 | -.028327 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.815193 | -.002437 | -.003313 | .0002244 | -.072605 | -.015715 | -.000761 |
| Stddev | .020967  | .000483  | .000953  | .0003184 | .007320  | .000477  | .000554  |
| %RSD   | 2.572003 | 19.83971 | 28.76198 | 141.8804 | 10.08263 | 3.036744 | 72.82245 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.792682 | -.002731 | -.002708 | .0002646 | -.066508 | -.015306 | -.001140 |
| #2 | -.834165 | -.002700 | -.002820 | -.000112 | -.070582 | -.016239 | -.000125 |
| #3 | -.818732 | -.001879 | -.004411 | .000521  | -.080724 | -.015601 | -.001020 |



Sample Name: PB99204BL      Acquired: 5/23/2017 17:02:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | -.000628 | -.003739 | -.000136 |
| Stddev | .000812  | .000320  | .000031  |
| %RSD   | 129.3155 | 8.544886 | 22.83805 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000592 | -.003375 | -.000112 |
| #2 | -.001457 | -.003970 | -.000171 |
| #3 | .000165  | -.003874 | -.000125 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1784.536 | 2486.653 | 61242.73 | 5627.077 | 4015.098 |
| Stddev    | 4.931    | 44.103   | 427.14   | 168.985  | 82.513   |
| %RSD      | .2763408 | 1.773583 | .6974546 | 3.003068 | 2.055059 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1779.481 | 2461.372 | 61175.99 | 5471.610 | 3961.695 |
| #2 | 1784.793 | 2537.578 | 60852.88 | 5602.690 | 4110.133 |
| #3 | 1789.333 | 2461.009 | 61699.31 | 5806.930 | 3973.467 |

Sample Name: PB99204BS      Acquired: 5/23/2017 17:06:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0213063 | .0595739 | .0206134 | .0754375 | .1240128 | .4293212 |
| Stddev | .0009736 | .0015691 | .0002497 | .0018430 | .0010305 | .0253745 |
| %RSD   | 4.569407 | 2.633935 | 1.211449 | 2.443150 | .8309944 | 5.910383 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0202178 | .0600483 | .0208998 | .0733281 | .1233525 | .4240246 |
| #2 | .0220940 | .0578223 | .0204987 | .0767368 | .1234857 | .4569260 |
| #3 | .0216071 | .0608511 | .0204416 | .0762476 | .1252003 | .4070130 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4309887 | .0120826 | .0098180 | 10.50046 | .0237794 | .0973441 |
| Stddev | .0181648 | .0002905 | .0000899 | .49128   | .0004232 | .0005842 |
| %RSD   | 4.214670 | 2.404656 | .9158641 | 4.678672 | 1.779603 | .6001637 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4216891 | .0119623 | .0097513 | 10.24022 | .0242505 | .0968540 |
| #2 | .4519203 | .0124139 | .0099202 | 11.06712 | .0234313 | .0971876 |
| #3 | .4193568 | .0118715 | .0097823 | 10.19405 | .0236566 | .0979906 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0574848 | .2248509 | .0346255 | 11.01786 | .0787047 | .0200424 |
| Stddev | .0012389 | .0038806 | .0011774 | .59729   | .0002386 | .0000637 |
| %RSD   | 2.155128 | 1.725869 | 3.400491 | 5.421103 | .3030998 | .3177310 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0574182 | .2257019 | .0332947 | 10.78268 | .0788459 | .0200709 |
| #2 | .0587556 | .2282354 | .0355318 | 11.69694 | .0788388 | .0199694 |
| #3 | .0562806 | .2206154 | .0350501 | 10.57396 | .0784293 | .0200868 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.70520 | .1134177 | .1039804 | 9.928495 | .0227455 | F .0219102 |
| Stddev | .48538   | .0034645 | .0153780 | .476598  | .0013294 | .0013099   |
| %RSD   | 4.534052 | 3.054623 | 14.78929 | 4.800308 | 5.844445 | 5.978390   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.54849 | .1116944 | .0864693 | 9.742494 | .0221571 | .0215542 |
| #2 | 11.24957 | .1174059 | .1101861 | 10.47005 | .0218120 | .0233612 |
| #3 | 10.31753 | .1111528 | .1152859 | 9.57294  | .0242675 | .0208151 |

Sample Name: PB99204BS      Acquired: 5/23/2017 17:06:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0223091 | .5651756 | .2200576 | F .0132239 | .2267753 | .1027737 |
| Stddev | .0002870 | .0079621 | .0085359 | .0005611   | .0104444 | .0046488 |
| %RSD   | 1.286230 | 1.408785 | 3.878949 | 4.242780   | 4.605607 | 4.523347 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0223113 | .5560045 | .2194783 | .0126767 | .2223294 | .1005568 |
| #2 | .0220210 | .5692008 | .2288684 | .0131973 | .2387071 | .1081160 |
| #3 | .0225949 | .5703214 | .2118261 | .0137979 | .2192896 | .0996483 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2311174 |
| Stddev | .0101843 |
| %RSD   | 4.406545 |

|    |          |
|----|----------|
| #1 | .2258915 |
| #2 | .2428538 |
| #3 | .2246070 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1730.691 | 2460.660 | 59235.20 | 5571.004 | 3877.258 |
| Stddev    | 13.136   | 11.037   | 210.26   | 223.116  | 11.464   |
| %RSD      | .7590001 | .4485214 | .3549631 | 4.004946 | .2956732 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1744.881 | 2473.300 | 59418.55 | 5681.457 | 3888.203 |
| #2 | 1718.956 | 2455.743 | 59005.69 | 5314.207 | 3878.235 |
| #3 | 1728.235 | 2452.936 | 59281.35 | 5717.348 | 3865.337 |

Sample Name: I3289-01      Acquired: 5/23/2017 17:10:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012595 | -.000772 | .0004021 | .0004871 | -.001007 | .9223033 | .0376168 |
| Stddev | .0034717 | .001126  | .0005291 | .0016164 | .001251  | .0200126 | .0001836 |
| %RSD   | 275.6268 | 145.8255 | 131.6026 | 331.8458 | 124.2857 | 2.169852 | .4881214 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010769 | -.000841 | .0000952 | .0007549 | -.002175 | .9427147 | .0378263 |
| #2 | -.002117 | .000387  | .0000979 | .0019528 | .000314  | .9214802 | .0374839 |
| #3 | .004819  | -.001863 | .0010130 | -.001246 | -.001159 | .9027149 | .0375402 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000683 | -.000105 | 23.07848 | .0014412 | -.000365 | .0031187 | .7878993 |
| Stddev | .0000999 | .000073  | .06587   | .0002595 | .000183  | .0009125 | .0135226 |
| %RSD   | 146.3659 | 70.03698 | .2854153 | 18.00800 | 49.97359 | 29.25807 | 1.716281 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000504 | -.000064 | 23.12737 | .0016555 | -.000554 | .0025247 | .7939969 |
| #2 | -.000022 | -.000189 | 23.00358 | .0015155 | -.000354 | .0041693 | .7972993 |
| #3 | .000176  | -.000060 | 23.10449 | .0011526 | -.000189 | .0026620 | .7724016 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0664434 | 5.306834 | .0010310 | .0005180 | 1.946172 | -.000916 | .0039773 |
| Stddev | .0007755 | .035063  | .0001293 | .0002670 | .026081  | .003333  | .0266463 |
| %RSD   | 1.167240 | .6607091 | 12.54245 | 51.54549 | 1.340094 | 363.9563 | 669.9587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0655479 | 5.276692 | .0010754 | .0002135 | 1.916261 | -.004668 | .0347031 |
| #2 | .0668902 | 5.345314 | .0008853 | .0006283 | 1.958096 | .000219  | -.012790 |
| #3 | .0668922 | 5.298495 | .0011323 | .0007121 | 1.964159 | .001702  | -.009982 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.035996 | .0234504 | .0024842 | .0004567 | 3.932820 | 4.458564 | -.001659 |
| Stddev | .053038  | .0014043 | .0006528 | .0001021 | .017007  | .021850  | .000680  |
| %RSD   | 5.119541 | 5.988532 | 26.27613 | 22.35547 | .4324489 | .4900752 | 40.99743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.064795 | .0218672 | .0017974 | .0003461 | 3.914516 | 4.483659 | -.000874 |
| #2 | .974788  | .0245456 | .0025589 | .0005474 | 3.935811 | 4.443758 | -.002065 |
| #3 | 1.068405 | .0239384 | .0030965 | .0004765 | 3.948134 | 4.448274 | -.002038 |

Sample Name: I3289-01      Acquired: 5/23/2017 17:10:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0197048 | -.001356 | .1790496 |
| Stddev | .0006845 | .000448  | .0004858 |
| %RSD   | 3.473877 | 33.04585 | .2713023 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0192625 | -.001182 | .1788705 |
| #2 | .0193586 | -.001865 | .1786788 |
| #3 | .0204932 | -.001021 | .1795995 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1688.508 | 2418.111 | 58505.86 | 5685.023 | 3864.550 |
| Stddev    | 2.518    | 5.357    | 216.84   | 17.124   | 7.192    |
| %RSD      | .1491356 | .2215246 | .3706237 | .3012212 | .1860904 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1691.225 | 2413.348 | 58351.60 | 5668.390 | 3856.829 |
| #2 | 1686.252 | 2417.074 | 58412.19 | 5702.600 | 3865.764 |
| #3 | 1688.048 | 2423.910 | 58753.79 | 5684.080 | 3871.057 |

Sample Name: I3289-02      Acquired: 5/23/2017 17:14:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034341 | .0002699 | .0018276 | .0016943 | -.001557 | .9322692 | .0374898 |
| Stddev | .0007383 | .0009339 | .0011826 | .0023859 | .000398  | .0198176 | .0004462 |
| %RSD   | 21.49928 | 346.0756 | 64.70923 | 140.8182 | 25.56171 | 2.125736 | 1.190235 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035181 | -.000696 | .0011819 | .0038231 | -.002014 | .9509527 | .0379796 |
| #2 | .0026574 | .000337  | .0011084 | .0021444 | -.001375 | .9343701 | .0373834 |
| #3 | .0041268 | .001168  | .0031926 | -.000885 | -.001283 | .9114849 | .0371064 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000811 | -.000202 | 22.98977 | .0013820 | -.000447 | .0033203 | .7820230 |
| Stddev | .0000188 | .000043  | .14230   | .0002895 | .000225  | .0010016 | .0175776 |
| %RSD   | 23.16893 | 21.00123 | .6189776 | 20.94882 | 50.37663 | 30.16567 | 2.247703 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000841 | -.000250 | 22.94642 | .0010887 | -.000683 | .0044497 | .7861559 |
| #2 | .0000982 | -.000168 | 23.14871 | .0013899 | -.000423 | .0029713 | .7971659 |
| #3 | .0000610 | -.000190 | 22.87419 | .0016676 | -.000235 | .0025399 | .7627473 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0656256 | 5.415786 | .0009888 | .0006477 | 1.830246 | -.001475 | .0041714 |
| Stddev | .0009634 | .123182  | .0003810 | .0002349 | .118011  | .001528  | .0032881 |
| %RSD   | 1.467969 | 2.274494 | 38.53328 | 36.26189 | 6.447813 | 103.5619 | 78.82381 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0654814 | 5.340311 | .0005631 | .0003906 | 1.790023 | -.002500 | .0011552 |
| #2 | .0666529 | 5.557933 | .0011054 | .0007017 | 1.737604 | -.002206 | .0076766 |
| #3 | .0647424 | 5.349113 | .0012979 | .0008509 | 1.963110 | .000281  | .0036826 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.053475 | .0216593 | .0026357 | .0003247 | 3.855134 | 4.402234 | -.001605 |
| Stddev | .031643  | .0014925 | .0004649 | .0000515 | .012771  | .056951  | .000299  |
| %RSD   | 3.003682 | 6.890968 | 17.63682 | 15.87038 | .3312835 | 1.293692 | 18.60477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.068658 | .0216792 | .0026864 | .0002824 | 3.840524 | 4.346818 | -.001701 |
| #2 | 1.074666 | .0231418 | .0030731 | .0003096 | 3.864176 | 4.460606 | -.001843 |
| #3 | 1.017102 | .0201570 | .0021476 | .0003821 | 3.860703 | 4.399279 | -.001270 |

Sample Name: I3289-02      Acquired: 5/23/2017 17:14:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0226978 | -.001066 | .1790694 |
| Stddev | .0036214 | .000199  | .0012689 |
| %RSD   | 15.95480 | 18.64286 | .7086003 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0256116 | -.001184 | .1795169 |
| #2 | .0238384 | -.000836 | .1800539 |
| #3 | .0186434 | -.001177 | .1776374 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1694.172 | 2430.881 | 58512.60 | 5691.576 | 3893.181 |
| Stddev    | 8.718    | 12.229   | 175.92   | 53.286   | 10.181   |
| %RSD      | .5146147 | .5030771 | .3006600 | .9362203 | .2615069 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1698.874 | 2435.769 | 58376.37 | 5727.200 | 3903.746 |
| #2 | 1684.112 | 2439.911 | 58450.20 | 5630.318 | 3892.366 |
| #3 | 1699.531 | 2416.964 | 58711.21 | 5717.210 | 3883.433 |

Sample Name: I3289-03      Acquired: 5/23/2017 17:18:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0429548 | .0720027 | .0226108 | .0531966 | .1058494 | 3.336333 | 2.242704 |
| Stddev | .0017807 | .0015116 | .0004924 | .0027809 | .0022059 | .026454  | .020313  |
| %RSD   | 4.145548 | 2.099351 | 2.177573 | 5.227613 | 2.083970 | .7929133 | .9057355 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0422702 | .0731333 | .0220647 | .0546419 | .1038068 | 3.359049 | 2.248344 |
| #2 | .0416180 | .0725889 | .0230209 | .0549572 | .1081885 | 3.342661 | 2.220167 |
| #3 | .0449762 | .0702857 | .0227468 | .0499906 | .1055529 | 3.307288 | 2.259601 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0571852 | .0473454 | 23.53406 | .2264694 | .4964045 | .2774672 | 1.988550 |
| Stddev | .0005258 | .0001573 | .19474   | .0004521 | .0010859 | .0043767 | .004092  |
| %RSD   | .9194819 | .3323327 | .8274839 | .1996148 | .2187559 | 1.577372 | .2057639 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0572221 | .0475257 | 23.63164 | .2268142 | .4959468 | .2806950 | 1.993228 |
| #2 | .0566419 | .0472743 | 23.30982 | .2266364 | .4956223 | .2724856 | 1.985639 |
| #3 | .0576916 | .0472362 | 23.66071 | .2259576 | .4976443 | .2792211 | 1.986782 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6320640 | 5.386457 | .5006221 | .0247056 | 2.050186 | .5667767 | .4608803 |
| Stddev | .0056836 | .021060  | .0011655 | .0005174 | .085217  | .0039696 | .0271648 |
| %RSD   | .8992174 | .3909860 | .2328103 | 2.094353 | 4.156559 | .7003909 | 5.894119 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6373420 | 5.376984 | .5009387 | .0246057 | 2.078679 | .5621960 | .4357485 |
| #2 | .6260470 | 5.371796 | .4993310 | .0242455 | 1.954373 | .5689217 | .4571914 |
| #3 | .6328030 | 5.410590 | .5015965 | .0252658 | 2.117505 | .5692124 | .4897011 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.213689 | .0189217 | -.000246 | .0002306 | 4.104252 | 5.141364 | -.001499 |
| Stddev | .037988  | .0011394 | .000227  | .0000584 | .028150  | .072093  | .000630  |
| %RSD   | 3.129986 | 6.021851 | 92.20042 | 25.31775 | .6858745 | 1.402210 | 42.04086 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.257539 | .0199683 | -.000003 | .0001632 | 4.126742 | 5.220125 | -.000787 |
| #2 | 1.192768 | .0177079 | -.000452 | .0002624 | 4.072683 | 5.078640 | -.001724 |
| #3 | 1.190760 | .0190887 | -.000284 | .0002661 | 4.113332 | 5.125326 | -.001987 |



Sample Name: I3289-03      Acquired: 5/23/2017 17:18:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0315562 | -.000725 | .1835568 |
| Stddev | .0022291 | .000187  | .0014417 |
| %RSD   | 7.063807 | 25.76805 | .7854378 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0311985 | -.000641 | .1839320 |
| #2 | .0339426 | -.000939 | .1819646 |
| #3 | .0295277 | -.000595 | .1847739 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1678.806 | 2408.216 | 58335.59 | 5708.756 | 3829.607 |
| Stddev    | 6.129    | 5.722    | 90.51    | 49.017   | 8.660    |
| %RSD      | .3650735 | .2375902 | .1551475 | .8586266 | .2261211 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1678.532 | 2413.068 | 58246.86 | 5682.758 | 3830.563 |
| #2 | 1685.067 | 2409.672 | 58332.13 | 5765.295 | 3837.748 |
| #3 | 1672.818 | 2401.906 | 58427.77 | 5678.215 | 3820.508 |

Sample Name: I3289-01LX5      Acquired: 5/23/2017 17:22:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000207 | -.001648 | -.000827 | .0009432 | -.000899 | .1923539 | .0044512 |
| Stddev | .001567  | .001081  | .000815  | .0025948 | .000643  | .0048822 | .0003950 |
| %RSD   | 756.8488 | 65.59730 | 98.53709 | 275.1143 | 71.49397 | 2.538155 | 8.873591 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001497  | -.001300 | -.000155 | -.002047 | -.001641 | .1900749 | .0041790 |
| #2 | -.000531 | -.002860 | -.000592 | .002279  | -.000505 | .1890279 | .0042704 |
| #3 | -.001588 | -.000784 | -.001734 | .002598  | -.000552 | .1979589 | .0049042 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000042 | -.000138 | 4.551905 | .0002701 | -.000165 | .0009542 | .1484578 |
| Stddev | .000078  | .000038  | .029432  | .0001908 | .000098  | .0008197 | .0112765 |
| %RSD   | 184.4157 | 27.28973 | .6465865 | 70.62436 | 59.23014 | 85.90976 | 7.595768 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000026 | -.000179 | 4.540015 | .0002462 | -.000243 | .0008036 | .1499930 |
| #2 | .000026  | -.000104 | 4.530279 | .0000924 | -.000198 | .0002202 | .1364924 |
| #3 | -.000127 | -.000131 | 4.585422 | .0004717 | -.000055 | .0018388 | .1588881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0134209 | 1.022450 | .0001573 | .0006631 | .1393085 | .0007397 | -.009821 |
| Stddev | .0008266 | .058323  | .0002141 | .0001507 | .1152645 | .0038882 | .008129  |
| %RSD   | 6.158704 | 5.704195 | 136.0456 | 22.73102 | 82.74041 | 525.6327 | 82.77152 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0124665 | .959114  | .0002707 | .0005479 | .0110227 | .0038215 | -.016982 |
| #2 | .0139037 | 1.073940 | .0002908 | .0006076 | .1727440 | .0020265 | -.011496 |
| #3 | .0138925 | 1.034295 | -.000090 | .0008337 | .2341590 | -.003629 | -.000985 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.246896 | .0035600 | -.003829 | .0000166 | .7047112 | .8742058 | -.000948 |
| Stddev | .023072  | .0006785 | .000957  | .0001904 | .0119208 | .0134240 | .000289  |
| %RSD   | 9.344702 | 19.05803 | 25.00577 | 1147.229 | 1.691588 | 1.535566 | 30.44327 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.257078 | .0030440 | -.004705 | -.000103 | .7113527 | .8612687 | -.001166 |
| #2 | -.263125 | .0043285 | -.003975 | -.000084 | .6909490 | .8732801 | -.001056 |
| #3 | -.220485 | .0033075 | -.002807 | .000236  | .7118320 | .8880688 | -.000621 |

Sample Name: I3289-01LX5      Acquired: 5/23/2017 17:22:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MBD7K3L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0042867 | -.002300 | .0357300 |
| Stddev | .0003052 | .000579  | .0000760 |
| %RSD   | 7.119150 | 25.16022 | .2128136 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0045120 | -.001842 | .0356424 |
| #2 | .0039394 | -.002108 | .0357686 |
| #3 | .0044088 | -.002950 | .0357790 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1712.933 | 2459.852 | 59332.02 | 5625.627 | 3958.200 |
| Stddev    | 8.996    | 8.989    | 141.25   | 6.369    | 9.516    |
| %RSD      | .5251979 | .3654362 | .2380669 | .1132161 | .2404219 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1703.284 | 2459.279 | 59194.16 | 5627.100 | 3958.056 |
| #2 | 1714.425 | 2451.163 | 59325.47 | 5618.650 | 3948.757 |
| #3 | 1721.091 | 2469.114 | 59476.43 | 5631.130 | 3967.788 |

Sample Name: PB99206BL      Acquired: 5/23/2017 17:27:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0000387 | -.001163 | -.001470 | .0015058 | -.001148 | .0066678 | -.004690 |
| Stddev | .0021052 | .001339  | .001039  | .0018119 | .000401  | .0057339 | .000418  |
| %RSD   | 5445.529 | 115.0881 | 70.63796 | 120.3267 | 34.88259 | 85.99384 | 8.912998 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001475 | -.002546 | -.002245 | .0021700 | -.001100 | .0038736 | -.005169 |
| #2 | .002443  | -.001071 | -.000290 | .0028919 | -.000774 | .0132631 | -.004503 |
| #3 | -.000852 | .000127  | -.001877 | -.000544 | -.001571 | .0028666 | -.004398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000064 | -.000124 | -.037489 | -.000125 | .0002641 | .0008247 | .0000953 |
| Stddev | .000039  | .000114  | .001641  | .000330  | .0001308 | .0003689 | .0150630 |
| %RSD   | 60.21334 | 92.00448 | 4.376571 | 264.1828 | 49.51774 | 44.73552 | 15801.50 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000031 | -.000051 | -.035753 | -.000058 | .0001504 | .0004969 | -.011474 |
| #2 | -.000055 | -.000066 | -.039013 | -.000483 | .0004070 | .0007530 | -.005367 |
| #3 | -.000107 | -.000256 | -.037702 | .000167  | .0002350 | .0012242 | .017127  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000811 | .0513753 | -.000089 | .0005345 | -.204575 | -.000918 | .0024094 |
| Stddev | .000435  | .0112788 | .000194  | .0002444 | .004548  | .003793  | .0124108 |
| %RSD   | 53.70174 | 21.95363 | 219.3846 | 45.72052 | 2.223260 | 413.2829 | 515.1078 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000975 | .0513066 | -.000064 | .0006361 | -.208643 | -.005211 | -.004249 |
| #2 | -.000317 | .0401311 | .000092  | .0007118 | -.205417 | .000483  | .016728  |
| #3 | -.001139 | .0626883 | -.000294 | .0002557 | -.199664 | .001976  | -.005251 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.210500 | -.005291 | -.005000 | -.000101 | -.000334 | -.012603 | -.000871 |
| Stddev | .015258  | .000669  | .000235  | .000086  | .004968  | .000968  | .000635  |
| %RSD   | 7.248539 | 12.63972 | 4.707728 | 85.51532 | 1488.046 | 7.684127 | 72.90541 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.192882 | -.004753 | -.004778 | -.000192 | -.001315 | -.011525 | -.001440 |
| #2 | -.219416 | -.006040 | -.005247 | -.000021 | -.004738 | -.012882 | -.000985 |
| #3 | -.219202 | -.005080 | -.004975 | -.000089 | .005051  | -.013401 | -.000186 |

Sample Name: PB99206BL      Acquired: 5/23/2017 17:27:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0007172 | -.001016 | -.000141 |
| Stddev | .0002841 | .000694  | .000046  |
| %RSD   | 39.60880 | 68.30922 | 32.81054 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0003892 | -.001732 | -.000193 |
| #2 | .0008811 | -.000968 | -.000126 |
| #3 | .0008814 | -.000347 | -.000104 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1735.288 | 2498.888 | 59359.96 | 5559.210 | 4031.921 |
| Stddev    | 4.951    | 17.273   | 311.21   | 17.919   | 20.527   |
| %RSD      | .2853198 | .6912137 | .5242810 | .3223213 | .5091134 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1741.004 | 2480.636 | 59296.08 | 5558.800 | 4009.361 |
| #2 | 1732.332 | 2501.050 | 59085.65 | 5577.330 | 4049.498 |
| #3 | 1732.528 | 2514.978 | 59698.16 | 5541.500 | 4036.902 |

Sample Name: PB99206BS      Acquired: 5/23/2017 17:31:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0164547 | .0510336 | .0176703 | .0681440 | .1150540 | .3967035 |
| Stddev | .0008643 | .0007378 | .0004008 | .0021250 | .0013283 | .0026372 |
| %RSD   | 5.252603 | 1.445805 | 2.268188 | 3.118351 | 1.154527 | .6647705 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0154655 | .0511350 | .0178645 | .0658604 | .1142500 | .3940798 |
| #2 | .0168348 | .0502503 | .0179370 | .0700633 | .1143248 | .3966767 |
| #3 | .0170637 | .0517155 | .0172094 | .0685083 | .1165872 | .3993540 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4009941 | .0102636 | .0090794 | 9.555894 | .0230195 | .0917061 |
| Stddev | .0013926 | .0001784 | .0000354 | .037036  | .0001240 | .0007461 |
| %RSD   | .3472898 | 1.738455 | .3903145 | .3875698 | .5387412 | .8135336 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4016750 | .0104557 | .0090672 | 9.572064 | .0228776 | .0919196 |
| #2 | .4019152 | .0101030 | .0090517 | 9.513522 | .0230740 | .0908766 |
| #3 | .3993920 | .0102320 | .0091193 | 9.582095 | .0231070 | .0923222 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0516324 | .2218844 | .0324441 | 9.953927 | .0729155 | .0180926 |
| Stddev | .0012446 | .0274129 | .0007754 | .086741  | .0001776 | .0005997 |
| %RSD   | 2.410568 | 12.35457 | 2.390008 | .8714233 | .2435127 | 3.314759 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0524455 | .2171059 | .0332728 | 10.02769 | .0731049 | .0174116 |
| #2 | .0501995 | .1971749 | .0317362 | 9.97572  | .0727528 | .0183243 |
| #3 | .0522520 | .2513723 | .0323232 | 9.85837  | .0728888 | .0185419 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.659062 | .1051426 | .0852688 | 9.179005 | F .0288933 | F .0183181 |
| Stddev | .170657  | .0022952 | .0200226 | .090104  | .0015090   | .0014886   |
| %RSD   | 1.766808 | 2.182967 | 23.48170 | .9816270 | 5.222492   | 8.126601   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.618392 | .1059815 | .0633590 | 9.187209 | .0273530 | .0196190 |
| #2 | 9.512415 | .1069003 | .1026169 | 9.264726 | .0303688 | .0186408 |
| #3 | 9.846381 | .1025459 | .0898306 | 9.085080 | .0289582 | .0166946 |

Sample Name: PB99206BS      Acquired: 5/23/2017 17:31:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0217919 | .5302282 | .1925100 | F .0131486 | .2086157 | .0952703 |
| Stddev | .0001098 | .0111250 | .0011829 | .0001824   | .0005764 | .0001714 |
| %RSD   | .5037858 | 2.098155 | .6144479 | 1.387252   | .2762727 | .1799565 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0216784 | .5403526 | .1937314 | .0132269 | .2080836 | .0954545 |
| #2 | .0217997 | .5183185 | .1924288 | .0129401 | .2092279 | .0952411 |
| #3 | .0218975 | .5320133 | .1913698 | .0132788 | .2085356 | .0951154 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2135575 |
| Stddev | .0009081 |
| %RSD   | .4252130 |

|    |          |
|----|----------|
| #1 | .2137069 |
| #2 | .2143817 |
| #3 | .2125840 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1703.214 | 2405.059 | 59096.48 | 5657.439 | 3800.484 |
| Stddev    | 9.595    | 10.919   | 146.67   | 32.038   | 19.553   |
| %RSD      | .5633381 | .4540148 | .2481803 | .5663021 | .5144944 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1692.135 | 2397.904 | 58927.43 | 5620.685 | 3793.018 |
| #2 | 1708.632 | 2417.628 | 59172.20 | 5679.463 | 3822.670 |
| #3 | 1708.873 | 2399.647 | 59189.82 | 5672.169 | 3785.763 |

Sample Name: I3274-01      Acquired: 5/23/2017 17:35:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0432090 | -.031244 | .2707870 | -.049490 | .0024613 | 97.95680 |
| Stddev | .0021859 | .001376  | .0023992 | .001872  | .0005252 | .05822   |
| %RSD   | 5.058790 | 4.405572 | .8859946 | 3.782878 | 21.33716 | .0594368 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0433469 | -.032228 | .2688247 | -.047477 | .0021895 | 97.95038 |
| #2 | .0453226 | -.029671 | .2700747 | -.051180 | .0021277 | 97.90205 |
| #3 | .0409575 | -.031832 | .2734616 | -.049812 | .0030666 | 98.01796 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.309264 | .0142419 | .0107402 | 15.78753 | .1367207 | .1566498 |
| Stddev | .015115  | .0000945 | .0002382 | .10029   | .0007811 | .0008199 |
| %RSD   | .2846909 | .6634499 | 2.218251 | .6352651 | .5712782 | .5233716 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.306989 | .0143273 | .0107321 | 15.89663 | .1375940 | .1560806 |
| #2 | 5.325388 | .0142580 | .0105061 | 15.76661 | .1360889 | .1562793 |
| #3 | 5.295416 | .0141404 | .0109824 | 15.69934 | .1364792 | .1575895 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0780144 | 201.3528 | F 55.99593 | 5.545827 | .0650945 | -.005258 |
| Stddev | .0008661 | 1.0054   | .27690     | .042683  | .0003072 | .000120  |
| %RSD   | 1.110192 | .4993288 | .4944958   | .7696494 | .4719004 | 2.280605 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0783909 | 201.8419 | 56.08342 | 5.496577 | .0648056 | -.005275 |
| #2 | .0770237 | 200.1964 | 55.68586 | 5.572092 | .0650608 | -.005130 |
| #3 | .0786285 | 202.0201 | 56.21852 | 5.568813 | .0654172 | -.005367 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.066453 | .2798085 | .1512873 | 1.800413 | 1.524809 | -.585595 |
| Stddev | .086834  | .0068001 | .0015770 | .011772  | .013363  | .002205  |
| %RSD   | 8.142349 | 2.430279 | 1.042376 | .6538584 | .8763406 | .3766194 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.041356 | .2723252 | .1502664 | 1.803693 | 1.518411 | -.588095 |
| #2 | 1.163072 | .2814907 | .1504919 | 1.810198 | 1.515850 | -.583924 |
| #3 | .994932  | .2856097 | .1531036 | 1.787349 | 1.540168 | -.584767 |



Sample Name: I3274-01      Acquired: 5/23/2017 17:35:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034600 | 1.448996 | 6.263968 | .0107850 | .4347932 | .0308834 |
| Stddev | .0001363 | .030548  | .019933  | .0005364 | .0078152 | .0006672 |
| %RSD   | 3.938464 | 2.108188 | .3182133 | 4.973850 | 1.797446 | 2.160242 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0035194 | 1.415663 | 6.286961 | .0101656 | .4321595 | .0302557 |
| #2 | .0035565 | 1.475654 | 6.251570 | .0110927 | .4286352 | .0308104 |
| #3 | .0033041 | 1.455671 | 6.253374 | .0110967 | .4435850 | .0315840 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1137956 |
| Stddev | .0000964 |
| %RSD   | .0846956 |

|    |          |
|----|----------|
| #1 | .1138344 |
| #2 | .1138666 |
| #3 | .1136859 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2035.735 | 2951.756 | 71151.52 | 6980.408 | 3466.593 |
| Stddev    | 3.179    | 10.615   | 128.09   | 13.656   | 14.559   |
| %RSD      | .1561754 | .3596225 | .1800188 | .1956355 | .4199927 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2039.362 | 2942.551 | 71244.81 | 6969.218 | 3465.279 |
| #2 | 2033.431 | 2963.368 | 71204.28 | 6995.625 | 3481.765 |
| #3 | 2034.411 | 2949.350 | 71005.49 | 6976.380 | 3452.735 |

Sample Name: I3274-02      Acquired: 5/23/2017 17:47:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2333673 | -.049724 | 2.775319 | -.094692 | .0092540 | 138.4717 | 2.984777 |
| Stddev | .0050875 | .002249  | .004816  | .005788  | .0012717 | .3288    | .005264  |
| %RSD   | 2.180050 | 4.522287 | .1735350 | 6.112430 | 13.74250 | .2374463 | .1763526 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2374367 | -.051411 | 2.780746 | -.091009 | .0078425 | 138.7481 | 2.989871 |
| #2 | .2350016 | -.050590 | 2.773656 | -.091704 | .0096091 | 138.5589 | 2.985102 |
| #3 | .2276634 | -.047171 | 2.771554 | -.101364 | .0103105 | 138.1080 | 2.979359 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0200003 | .0368645 | 141.0869 | .2979285 | .1492098 | .6981925 | 414.5670 |
| Stddev | .0001238 | .0004139 | .2869    | .0003549 | .0006487 | .0045896 | 1.8106   |
| %RSD   | .6187315 | 1.122882 | .2033796 | .1191340 | .4347832 | .6573504 | .4367558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0198758 | .0373171 | 141.2025 | .2982472 | .1485757 | .7034856 | 413.1852 |
| #2 | .0201233 | .0365052 | 141.2981 | .2975460 | .1491814 | .6957738 | 416.6167 |
| #3 | .0200018 | .0367711 | 140.7602 | .2979923 | .1498722 | .6953182 | 413.8990 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.95826 | 34.80035 | .1562565 | -.012184 | 3.201446 | .5015877 | 4.284458 |
| Stddev | .06394   | .02510   | .0000999 | .000269  | .154371  | .0060590 | .068113  |
| %RSD   | .4274784 | .0721307 | .0639325 | 2.206182 | 4.821926 | 1.207975 | 1.589763 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.89961 | 34.78596 | .1561469 | -.012461 | 3.294295 | .4954549 | 4.270051 |
| #2 | 15.02643 | 34.78576 | .1563424 | -.012167 | 3.286798 | .5017380 | 4.224701 |
| #3 | 14.94873 | 34.82934 | .1562802 | -.011924 | 3.023246 | .5075702 | 4.358621 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.94039 | 11.34555 | -1.15718 | .0128658 | 23.53487 | 5.159483 | .1368298 |
| Stddev | .08343   | .02500   | .00015   | .0002961 | .02369   | .015097  | .0003166 |
| %RSD   | .6987133 | .2203142 | .0127235 | 2.301404 | .1006552 | .2926054 | .2313692 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.93977 | 11.37309 | -1.15731 | .0127746 | 23.54874 | 5.142283 | .1366962 |
| #2 | 12.02413 | 11.33927 | -1.15702 | .0126260 | 23.54835 | 5.170540 | .1366019 |
| #3 | 11.85728 | 11.32429 | -1.15721 | .0131968 | 23.50751 | 5.165627 | .1371912 |

Sample Name: I3274-02      Acquired: 5/23/2017 17:47:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.414253 | .1707111 | .6730733 |
| Stddev | .000722  | .0017541 | .0019082 |
| %RSD   | .0510841 | 1.027511 | .2834988 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.414077 | .1722576 | .6730812 |
| #2 | 1.415047 | .1710705 | .6749775 |
| #3 | 1.413635 | .1688051 | .6711613 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1775.257 | 2577.694 | 64567.43 | 6517.029 | 3041.321 |
| Stddev    | 4.020    | 12.714   | 60.67    | 19.718   | 13.377   |
| %RSD      | .2264538 | .4932303 | .0939713 | .3025638 | .4398484 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1776.481 | 2566.679 | 64502.32 | 6510.989 | 3028.066 |
| #2 | 1778.522 | 2591.607 | 64622.38 | 6501.037 | 3054.817 |
| #3 | 1770.767 | 2574.797 | 64577.60 | 6539.061 | 3041.081 |

Sample Name: I3274-03      Acquired: 5/23/2017 17:51:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2356713 | -.056248 | 2.673242 | -.106673 | .0109605 | 143.6823 | 2.992406 |
| Stddev | .0049927 | .000801  | .013992  | .001895  | .0001037 | .3799    | .010094  |
| %RSD   | 2.118519 | 1.424874 | .5234009 | 1.776286 | .9461491 | .2644204 | .3373084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2384549 | -.056952 | 2.661185 | -.108856 | .0110767 | 144.0449 | 3.002659 |
| #2 | .2386517 | -.056416 | 2.669956 | -.105707 | .0109275 | 143.2871 | 2.982480 |
| #3 | .2299073 | -.055376 | 2.688584 | -.105455 | .0108774 | 143.7148 | 2.992078 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0230104 | .0417204 | 190.1516 | .3054415 | .1681574 | .7691884 | 434.0513 |
| Stddev | .0000624 | .0000306 | .2529    | .0010733 | .0010024 | .0032258 | 1.6203   |
| %RSD   | .2711080 | .0733974 | .1329964 | .3514059 | .5961217 | .4193829 | .3733024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0230792 | .0416934 | 190.0546 | .3050639 | .1680474 | .7727549 | 435.6346 |
| #2 | .0229945 | .0417537 | 190.4386 | .3066526 | .1672145 | .7664745 | 434.1228 |
| #3 | .0229576 | .0417143 | 189.9615 | .3046081 | .1692103 | .7683358 | 432.3963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.73078 | 43.50718 | .1692927 | -.014310 | 3.366926 | .4690440 | 4.117670 |
| Stddev | .07164   | .22745   | .0007430 | .000538  | .099901  | .0011791 | .032799  |
| %RSD   | .4281764 | .5227809 | .4388929 | 3.761930 | 2.967126 | .2513720 | .7965511 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.81286 | 43.74335 | .1687951 | -.014099 | 3.351609 | .4689017 | 4.133775 |
| #2 | 16.68089 | 43.28960 | .1689363 | -.014922 | 3.275568 | .4702878 | 4.139304 |
| #3 | 16.69858 | 43.48859 | .1701468 | -.013909 | 3.473600 | .4679426 | 4.079931 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.73492 | 11.50324 | -1.21953 | .0146920 | 25.80716 | 4.999943 | .1841506 |
| Stddev | .09680   | .04698   | .00754   | .0003356 | .17064   | .057393  | .0008022 |
| %RSD   | .7047432 | .4084061 | .6183363 | 2.284226 | .6612209 | 1.147876 | .4356460 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.84664 | 11.49606 | -1.22279 | .0149502 | 25.72143 | 5.015919 | .1841103 |
| #2 | 13.68176 | 11.46026 | -1.21091 | .0143127 | 25.69637 | 4.936255 | .1833692 |
| #3 | 13.67635 | 11.55339 | -1.22490 | .0148132 | 26.00366 | 5.047656 | .1849722 |

Sample Name: I3274-03      Acquired: 5/23/2017 17:51:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDACA9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.526540 | .1724850 | .6888043 |
| Stddev | .003462  | .0019578 | .0029515 |
| %RSD   | .2267644 | 1.135044 | .4284966 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.530483 | .1740180 | .6921931 |
| #2 | 1.525135 | .1702796 | .6867961 |
| #3 | 1.524002 | .1731573 | .6874237 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1871.335 | 2700.583 | 67318.28 | 6823.479 | 3021.243 |
| Stddev    | 8.832    | 5.400    | 181.39   | 25.073   | 2.473    |
| %RSD      | .4719733 | .1999398 | .2694490 | .3674455 | .0818482 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1861.136 | 2694.959 | 67155.52 | 6799.660 | 3021.698 |
| #2 | 1876.398 | 2705.726 | 67285.49 | 6821.135 | 3023.456 |
| #3 | 1876.470 | 2701.065 | 67513.83 | 6849.641 | 3018.574 |

Sample Name: I3274-04      Acquired: 5/23/2017 17:55:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1901584 | -.057592 | 2.548566 | -.126376 | .0125904 | 100.1041 | 2.381229 |
| Stddev | .0028652 | .000992  | .010620  | .007119  | .0015934 | .1907    | .006875  |
| %RSD   | 1.506761 | 1.721927 | .4166918 | 5.632891 | 12.65591 | .1904644 | .2886959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1934295 | -.056610 | 2.536348 | -.134499 | .0127981 | 100.1073 | 2.382417 |
| #2 | .1889522 | -.057574 | 2.553774 | -.121222 | .0140698 | 99.9118  | 2.373838 |
| #3 | .1880935 | -.058593 | 2.555576 | -.123408 | .0109033 | 100.2931 | 2.387432 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0191906 | .0521602 | 80.68371 | .5869477 | .1633526 | .8093892 | 547.8552 |
| Stddev | .0002460 | .0005179 | .37961   | .0034298 | .0004452 | .0056505 | 1.2645   |
| %RSD   | 1.282064 | .9928586 | .4704854 | .5843441 | .2725565 | .6981187 | .2308142 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0194609 | .0515855 | 81.04218 | .5889355 | .1629673 | .8126417 | 548.3906 |
| #2 | .0189797 | .0525907 | 80.28601 | .5829873 | .1638400 | .8028646 | 546.4111 |
| #3 | .0191312 | .0523043 | 80.72295 | .5889202 | .1632504 | .8126613 | 548.7640 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.14547 | 17.25255 | .1685453 | -.018839 | 5.940922 | .7323929 | 8.298539 |
| Stddev | .05011   | .10725   | .0006874 | .000447  | .139666  | .0067006 | .055242  |
| %RSD   | .2922479 | .6216633 | .4078311 | 2.374962 | 2.350916 | .9148940 | .6656872 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.13646 | 17.20935 | .1679399 | -.018652 | 5.917154 | .7354240 | 8.266801 |
| #2 | 17.10049 | 17.17365 | .1684035 | -.018514 | 5.814666 | .7247124 | 8.266489 |
| #3 | 17.19948 | 17.37467 | .1692926 | -.019349 | 6.090947 | .7370425 | 8.362327 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.907958 | 12.95097 | -1.55841 | .0136344 | 22.36908 | 2.608063 | .2380575 |
| Stddev | .026847  | .04986   | .00343   | .0003940 | .10313   | .021874  | .0004417 |
| %RSD   | .3886358 | .3849748 | .2199974 | 2.889362 | .4610167 | .8387252 | .1855374 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.909358 | 12.89341 | -1.55480 | .0132962 | 22.25181 | 2.587445 | .2382743 |
| #2 | 6.880439 | 12.98100 | -1.56162 | .0140669 | 22.44564 | 2.605736 | .2375493 |
| #3 | 6.934078 | 12.97849 | -1.55880 | .0135400 | 22.40978 | 2.631008 | .2383489 |

Sample Name: I3274-04      Acquired: 5/23/2017 17:55:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.310233 | .1015012 | .3700208 |
| Stddev | .000935  | .0005472 | .0007215 |
| %RSD   | .0713738 | .5391167 | .1949783 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.310592 | .1017664 | .3704031 |
| #2 | 1.310935 | .1018652 | .3691887 |
| #3 | 1.309171 | .1008719 | .3704707 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1727.460 | 2505.187 | 62744.61 | 6353.762 | 3157.717 |
| Stddev    | 10.526   | 8.266    | 150.02   | 5.878    | .468     |
| %RSD      | .6093126 | .3299750 | .2391023 | .0925104 | .0148159 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1735.400 | 2495.652 | 62909.42 | 6353.328 | 3157.202 |
| #2 | 1731.458 | 2509.570 | 62708.40 | 6359.844 | 3157.836 |
| #3 | 1715.521 | 2510.339 | 62616.00 | 6348.113 | 3158.115 |

Sample Name: I3274-05      Acquired: 5/23/2017 17:59:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2186004 | -.102343 | .8388899 | -.228364 | .0215972 | 130.2089 |
| Stddev | .0026785 | .002708  | .0095165 | .005491  | .0009436 | .0986    |
| %RSD   | 1.225291 | 2.645995 | 1.134415 | 2.404421 | 4.369303 | .0756939 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2215306 | -.103674 | .8290317 | -.234233 | .0226336 | 130.2133 |
| #2 | .2162782 | -.099227 | .8396148 | -.223352 | .0213703 | 130.1082 |
| #3 | .2179923 | -.104128 | .8480232 | -.227508 | .0207877 | 130.3052 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.501847 | .0317832 | .0556215 | 37.33282 | 1.018170 | .2553425 |
| Stddev | .007223  | .0003326 | .0004657 | .08970   | .007804  | .0012162 |
| %RSD   | .2062704 | 1.046548 | .8371688 | .2402599 | .7664930 | .4763079 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.507975 | .0319016 | .0558761 | 37.43158 | 1.027160 | .2557228 |
| #2 | 3.493883 | .0314076 | .0550840 | 37.31046 | 1.014221 | .2539816 |
| #3 | 3.503684 | .0320405 | .0559042 | 37.25641 | 1.013130 | .2563232 |

|        |          |            |            |          |          |          |
|--------|----------|------------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3367868 | F 949.2827 | F 35.94768 | 11.13973 | .1066150 | -.035135 |
| Stddev | .0027177 | .9212      | .05190     | .04055   | .0016163 | .000519  |
| %RSD   | .8069406 | .0970400   | .1443818   | .3640488 | 1.516002 | 1.478245 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3379091 | 948.2280 | 35.88866 | 11.16883 | .1081270 | -.035701 |
| #2 | .3336877 | 949.6905 | 35.98621 | 11.15694 | .1049115 | -.034681 |
| #3 | .3387635 | 949.9297 | 35.96818 | 11.09340 | .1068066 | -.035022 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 4.536015 | 1.533430 | 1.205271 | 2.702905 | 8.815693 | ^ ***** |
| Stddev | .094175  | .003982  | .021701  | .027125  | .055554  | -----   |
| %RSD   | 2.076171 | .2596500 | 1.800523 | 1.003560 | .6301701 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 4.629319 | 1.533198 | 1.189055 | 2.732965 | 8.784866 | ^ ----- |
| #2 | 4.537733 | 1.537523 | 1.229924 | 2.680254 | 8.782387 | ^ ----- |
| #3 | 4.440992 | 1.529570 | 1.196835 | 2.695496 | 8.879825 | ^ ----- |



Sample Name: I3274-05      Acquired: 5/23/2017 17:59:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0111382 | 5.288778 | 2.554019 | .1466212 | 1.142184 | .0902011 |
| Stddev | .0000381 | .049570  | .031919  | .0025748 | .001076  | .0005915 |
| %RSD   | .3419590 | .9372742 | 1.249774 | 1.756103 | .0942201 | .6557677 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0111821 | 5.258412 | 2.573871 | .1436481 | 1.141607 | .0905706 |
| #2 | .0111139 | 5.261941 | 2.570987 | .1480934 | 1.143426 | .0905139 |
| #3 | .0111185 | 5.345980 | 2.517199 | .1481220 | 1.141520 | .0895189 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2928571 |
| Stddev | .0002701 |
| %RSD   | .0922374 |

|    |          |
|----|----------|
| #1 | .2931243 |
| #2 | .2925841 |
| #3 | .2928630 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1845.027 | 2661.943 | 66203.70 | 6634.444 | 3124.979 |
| Stddev    | 10.407   | 6.150    | 193.10   | 10.646   | 7.326    |
| %RSD      | .5640832 | .2310429 | .2916695 | .1604709 | .2344349 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1847.469 | 2656.696 | 66105.56 | 6622.272 | 3125.217 |
| #2 | 1833.616 | 2660.422 | 66079.38 | 6639.041 | 3132.184 |
| #3 | 1853.996 | 2668.711 | 66426.15 | 6642.021 | 3117.537 |

Sample Name: I3274-06      Acquired: 5/23/2017 18:03:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1413099 | -.077767 | .7655028 | -.158504 | .0124337 | 100.9250 |
| Stddev | .0022485 | .002719  | .0033001 | .002387  | .0010369 | .0983    |
| %RSD   | 1.591211 | 3.495992 | .4310969 | 1.505712 | 8.339543 | .0974030 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1387142 | -.077497 | .7618333 | -.161217 | .0134145 | 100.9142 |
| #2 | .1425558 | -.075193 | .7664475 | -.156728 | .0113485 | 100.8326 |
| #3 | .1426597 | -.080611 | .7682274 | -.157567 | .0125382 | 101.0283 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.164420 | .0234340 | .0388524 | 41.38823 | .6039952 | .3283411 |
| Stddev | .009873  | .0001063 | .0001873 | .08379   | .0011341 | .0007609 |
| %RSD   | .1601686 | .4534487 | .4820179 | .2024444 | .1877714 | .2317526 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 6.153168 | .0233130 | .0388145 | 41.48294 | .6038243 | .3274775 |
| #2 | 6.171633 | .0235121 | .0386869 | 41.35799 | .6052050 | .3286324 |
| #3 | 6.168461 | .0234769 | .0390557 | 41.32375 | .6029562 | .3289133 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2953275 | 625.0246 | F 88.12514 | 10.74995 | .1283129 | -.019242 |
| Stddev | .0027354 | .4745    | .17196     | .00922   | .0004440 | .000314  |
| %RSD   | .9262161 | .0759156 | .1951305   | .0857773 | .3460126 | 1.633475 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2981853 | 625.5435 | 88.30807 | 10.74028 | .1284195 | -.018890 |
| #2 | .2927337 | 624.9178 | 87.96681 | 10.75093 | .1278254 | -.019341 |
| #3 | .2950634 | 624.6127 | 88.10053 | 10.75864 | .1286940 | -.019495 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.989953 | 1.018169 | .8225834 | 1.788342 | 6.632944 | -1.85938 |
| Stddev | .109234  | .005491  | .0119715 | .018311  | .013302  | .00071   |
| %RSD   | 3.653368 | .5392733 | 1.455355 | 1.023914 | .2005377 | .0379798 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.865168 | 1.012123 | .8247031 | 1.800489 | 6.624611 | -1.85860 |
| #2 | 3.068268 | 1.022844 | .8096937 | 1.767281 | 6.625937 | -1.85997 |
| #3 | 3.036423 | 1.019541 | .8333535 | 1.797257 | 6.648284 | -1.85957 |

Sample Name: I3274-06      Acquired: 5/23/2017 18:03:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0137443 | 4.238034 | 3.059147 | .0604914 | .7411031 | .0644090 |
| Stddev | .0003730 | .012672  | .024020  | .0016822 | .0050612 | .0001400 |
| %RSD   | 2.713852 | .2990009 | .7851756 | 2.780829 | .6829338 | .2174202 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0134324 | 4.223890 | 3.061272 | .0620531 | .7360012 | .0642981 |
| #2 | .0141575 | 4.241862 | 3.034136 | .0587103 | .7461227 | .0643626 |
| #3 | .0136430 | 4.248351 | 3.082034 | .0607109 | .7411854 | .0645664 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2350452 |
| Stddev | .0003049 |
| %RSD   | .1297386 |

|    |          |
|----|----------|
| #1 | .2350461 |
| #2 | .2353497 |
| #3 | .2347398 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1912.904 | 2750.266 | 68117.04 | 6808.227 | 3199.707 |
| Stddev    | 8.935    | 5.523    | 239.53   | 15.112   | 6.997    |
| %RSD      | .4670833 | .2008248 | .3516406 | .2219673 | .2186910 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1903.316 | 2756.319 | 67841.17 | 6791.330 | 3206.987 |
| #2 | 1914.398 | 2748.977 | 68272.12 | 6812.899 | 3199.101 |
| #3 | 1920.997 | 2745.501 | 68237.83 | 6820.451 | 3193.031 |

Sample Name: I3274-07      Acquired: 5/23/2017 18:07:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1022881 | -.071588 | .5956377 | -.144717 | .0111864 | 110.1717 |
| Stddev | .0015834 | .000475  | .0029277 | .002225  | .0007834 | .3194    |
| %RSD   | 1.547929 | .6631077 | .4915322 | 1.537799 | 7.003515 | .2899199 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1036633 | -.072119 | .5950556 | -.142280 | .0104418 | 110.5097 |
| #2 | .1026439 | -.071204 | .5930447 | -.146642 | .0111137 | 109.8749 |
| #3 | .1005571 | -.071440 | .5988128 | -.145229 | .0120036 | 110.1304 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.767187 | .0241836 | .0341895 | 22.54829 | .5040010 | .2791821 |
| Stddev | .012739  | .0002170 | .0002392 | .15162   | .0019064 | .0021072 |
| %RSD   | .2672235 | .8973563 | .6995154 | .6724242 | .3782570 | .7547768 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.779204 | .0243891 | .0340799 | 22.53174 | .5061504 | .2807219 |
| #2 | 4.753831 | .0239567 | .0340249 | 22.40563 | .5025146 | .2767807 |
| #3 | 4.768527 | .0242050 | .0344638 | 22.70751 | .5033380 | .2800438 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1803226 | 584.0340 | F 72.22394 | 8.055364 | .1111053 | -.019615 |
| Stddev | .0002159 | 2.9633   | .39887     | .044944  | .0008328 | .000649  |
| %RSD   | .1197262 | .5073925 | .5522731   | .5579334 | .7495838 | 3.306406 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1804676 | 586.2250 | 72.37890 | 8.092849 | .1120569 | -.018962 |
| #2 | .1800745 | 580.6623 | 71.77084 | 8.067704 | .1105095 | -.020259 |
| #3 | .1804258 | 585.2148 | 72.52207 | 8.005540 | .1107495 | -.019626 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.803246 | .9591917 | .4209854 | 1.549309 | 4.233526 | -1.70174 |
| Stddev | .144675  | .0053063 | .0204646 | .018708  | .035547  | .01844   |
| %RSD   | 5.160965 | .5532007 | 4.861128 | 1.207501 | .8396555 | 1.083653 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.963127 | .9653066 | .3975266 | 1.570902 | 4.216501 | -1.71762 |
| #2 | 2.765251 | .9557989 | .4302519 | 1.537978 | 4.209694 | -1.68151 |
| #3 | 2.681361 | .9564696 | .4351776 | 1.539047 | 4.274384 | -1.70608 |

Sample Name: I3274-07      Acquired: 5/23/2017 18:07:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0091649 | 1.630981 | 6.816052 | .0411917 | .5778062 | .0340708 |
| Stddev | .0002656 | .023848  | .118906  | .0012997 | .0103241 | .0006681 |
| %RSD   | 2.897553 | 1.462158 | 1.744494 | 3.155219 | 1.786772 | 1.960832 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0093978 | 1.626941 | 6.878868 | .0418136 | .5824018 | .0335205 |
| #2 | .0088757 | 1.609412 | 6.678913 | .0420635 | .5659823 | .0348141 |
| #3 | .0092212 | 1.656591 | 6.890376 | .0396979 | .5850345 | .0338777 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1472644 |
| Stddev | .0006385 |
| %RSD   | .4335424 |

|    |          |
|----|----------|
| #1 | .1478512 |
| #2 | .1465845 |
| #3 | .1473573 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1927.620 | 2781.237 | 68166.41 | 6780.705 | 3273.056 |
| Stddev    | 5.781    | 4.382    | 76.16    | 39.232   | 13.242   |
| %RSD      | .2999177 | .1575605 | .1117252 | .5785756 | .4045840 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1934.251 | 2782.532 | 68169.98 | 6745.372 | 3272.968 |
| #2 | 1923.639 | 2784.825 | 68240.73 | 6822.923 | 3286.342 |
| #3 | 1924.970 | 2776.353 | 68088.53 | 6773.819 | 3259.857 |

Sample Name: I3274-08      Acquired: 5/23/2017 18:11:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2613549 | -.072701 | 1.928796 | -.165221 | .0137779 | 117.5284 | 2.992904 |
| Stddev | .0047394 | .002163  | .014870  | .003600  | .0020919 | .2922    | .014688  |
| %RSD   | 1.813393 | 2.975397 | .7709632 | 2.178820 | 15.18289 | .2486398 | .4907643 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2649334 | -.071150 | 1.915889 | -.162333 | .0141329 | 117.6570 | 2.999038 |
| #2 | .2631514 | -.075172 | 1.925441 | -.164077 | .0115312 | 117.1939 | 2.976143 |
| #3 | .2559799 | -.071781 | 1.945057 | -.169254 | .0156695 | 117.7343 | 3.003531 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0238875 | .0462381 | 75.72338 | .5698644 | .1822396 | .5229946 | 675.0229 |
| Stddev | .0000311 | .0002203 | .39306   | .0038812 | .0009122 | .0012538 | 2.1664   |
| %RSD   | .1303194 | .4765604 | .5190778 | .6810798 | .5005485 | .2397310 | .3209322 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0239016 | .0460177 | 76.10894 | .5704944 | .1819035 | .5220687 | 675.8833 |
| #2 | .0238518 | .0462382 | 75.73798 | .5657067 | .1815430 | .5244214 | 676.6270 |
| #3 | .0239091 | .0464584 | 75.32322 | .5733921 | .1832721 | .5224937 | 672.5585 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.91838 | 17.78544 | .1299670 | -.024481 | 3.699080 | .9622216 | 4.252732 |
| Stddev | .08220   | .07014   | .0007006 | .000187  | .041977  | .0059340 | .030614  |
| %RSD   | .4127059 | .3943890 | .5390698 | .7625935 | 1.134792 | .6167013 | .7198744 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.92798 | 17.77793 | .1307754 | -.024617 | 3.691202 | .9689911 | 4.283940 |
| #2 | 19.99536 | 17.85903 | .1295880 | -.024268 | 3.661600 | .9597550 | 4.251509 |
| #3 | 19.83180 | 17.71934 | .1295375 | -.024558 | 3.744437 | .9579186 | 4.222747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.056794 | 11.42460 | -1.95097 | .0081575 | 12.24348 | 3.773577 | .4568267 |
| Stddev | .030300  | .02392   | .00990   | .0002020 | .03564   | .029582  | .0022076 |
| %RSD   | .5002719 | .2093309 | .5075923 | 2.476767 | .2911106 | .7839217 | .4832506 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.040375 | 11.41625 | -1.96181 | .0083881 | 12.20234 | 3.806931 | .4566870 |
| #2 | 6.038247 | 11.40598 | -1.94870 | .0080118 | 12.26522 | 3.750519 | .4546922 |
| #3 | 6.091761 | 11.45157 | -1.94240 | .0080724 | 12.26286 | 3.763281 | .4591008 |

Sample Name: I3274-08      Acquired: 5/23/2017 18:11:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.358324 | .1310828 | .4753666 |
| Stddev | .002882  | .0009912 | .0016592 |
| %RSD   | .2121969 | .7561381 | .3490287 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.355387 | .1304384 | .4772298 |
| #2 | 1.361148 | .1305858 | .4740488 |
| #3 | 1.358438 | .1322241 | .4748212 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1802.093 | 2556.683 | 64569.06 | 6528.121 | 3109.728 |
| Stddev    | 17.831   | 9.816    | 220.40   | 15.236   | 15.722   |
| %RSD      | .9894443 | .3839270 | .3413443 | .2333925 | .5055754 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1815.540 | 2563.002 | 64701.65 | 6522.880 | 3122.946 |
| #2 | 1781.867 | 2561.672 | 64314.63 | 6516.197 | 3113.896 |
| #3 | 1808.872 | 2545.375 | 64690.88 | 6545.286 | 3092.342 |

Sample Name: I3274-09      Acquired: 5/23/2017 18:15:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2557664 | -.073150 | 1.931241 | -.160846 | .0125700 | 117.5703 | 2.997147 |
| Stddev | .0030244 | .000608  | .013257  | .003325  | .0013250 | .4549    | .019413  |
| %RSD   | 1.182491 | .8306410 | .6864533 | 2.066942 | 10.54082 | .3869506 | .6477043 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2589245 | -.073251 | 1.927449 | -.157037 | .0135037 | 117.7457 | 3.005414 |
| #2 | .2554784 | -.072498 | 1.920293 | -.162340 | .0110536 | 117.9114 | 3.011058 |
| #3 | .2528963 | -.073700 | 1.945981 | -.163162 | .0131528 | 117.0537 | 2.974969 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0240257 | .0469642 | 75.93576 | .5670717 | .1810711 | .5260697 | 677.4189 |
| Stddev | .0002185 | .0003521 | .19443   | .0015802 | .0011269 | .0025435 | 3.2969   |
| %RSD   | .9094097 | .7496619 | .2560401 | .2786544 | .6223711 | .4834903 | .4866925 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0238245 | .0469394 | 75.76466 | .5668152 | .1798822 | .5281307 | 673.6131 |
| #2 | .0242581 | .0466251 | 76.14719 | .5656355 | .1812076 | .5232271 | 679.4066 |
| #3 | .0239946 | .0473280 | 75.89544 | .5687644 | .1821236 | .5268513 | 679.2369 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.95259 | 17.83025 | .1291609 | -.023782 | 3.693321 | .9593957 | 4.216831 |
| Stddev | .12065   | .02993   | .0010864 | .000259  | .067931  | .0035646 | .019197  |
| %RSD   | .6046938 | .1678518 | .8411021 | 1.088263 | 1.839291 | .3715447 | .4552474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.82044 | 17.83856 | .1279464 | -.023779 | 3.766785 | .9614433 | 4.198499 |
| #2 | 19.98046 | 17.85514 | .1294962 | -.023525 | 3.632779 | .9614641 | 4.236790 |
| #3 | 20.05686 | 17.79704 | .1300402 | -.024043 | 3.680401 | .9552797 | 4.215205 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.073204 | 11.39553 | -1.97596 | .0077614 | 12.22403 | 3.823327 | .4524420 |
| Stddev | .016300  | .08881   | .01412   | .0004648 | .05785   | .014897  | .0050086 |
| %RSD   | .2683857 | .7793329 | .7146285 | 5.988942 | .4732573 | .3896463 | 1.107026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.076185 | 11.31772 | -1.95984 | .0072343 | 12.15882 | 3.831840 | .4467174 |
| #2 | 6.055619 | 11.37658 | -1.98616 | .0079371 | 12.24408 | 3.806125 | .4545914 |
| #3 | 6.087807 | 11.49228 | -1.98187 | .0081128 | 12.26919 | 3.832015 | .4560172 |



Sample Name: I3274-09      Acquired: 5/23/2017 18:15:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.365379 | .1323555 | .4776466 |
| Stddev | .006341  | .0010902 | .0023518 |
| %RSD   | .4644368 | .8236569 | .4923763 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.361204 | .1330688 | .4783071 |
| #2 | 1.372676 | .1328970 | .4795975 |
| #3 | 1.362257 | .1311006 | .4750351 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1789.626 | 2557.112 | 64412.29 | 6474.483 | 3109.786 |
| Stddev    | 13.125   | 12.817   | 207.47   | 20.189   | 20.303   |
| %RSD      | .7334210 | .5012112 | .3221039 | .3118237 | .6528866 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1776.695 | 2567.093 | 64318.61 | 6497.070 | 3125.596 |
| #2 | 1789.245 | 2561.584 | 64268.18 | 6458.192 | 3116.874 |
| #3 | 1802.937 | 2542.659 | 64650.08 | 6468.188 | 3086.889 |

Sample Name: I3274-10      Acquired: 5/23/2017 18:19:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3409382 | .0331265 | 2.140526 | -.093689 | .0678766 | 127.8365 | 7.069960 |
| Stddev | .0027706 | .0021220 | .007749  | .004404  | .0005474 | .0810    | .010808  |
| %RSD   | .8126326 | 6.405791 | .3619996 | 4.700346 | .8065196 | .0633752 | .1528668 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3379592 | .0319691 | 2.138552 | -.090030 | .0672885 | 127.9301 | 7.064562 |
| #2 | .3434378 | .0355755 | 2.133954 | -.098577 | .0683714 | 127.7910 | 7.062914 |
| #3 | .3414176 | .0318348 | 2.149070 | -.092462 | .0679698 | 127.7886 | 7.082403 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1036947 | .1354835 | 66.22651 | .9744805 | 1.123260 | 1.006426 | 673.1651 |
| Stddev | .0008066 | .0002368 | .44512   | .0081299 | .002795  | .001195  | 2.9357   |
| %RSD   | .7778974 | .1747465 | .6721200 | .8342790 | .2488425 | .1187503 | .4361004 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1045414 | .1357411 | 66.56136 | .9792816 | 1.121495 | 1.007332 | 673.8842 |
| #2 | .1029352 | .1352754 | 66.39677 | .9650937 | 1.121803 | 1.006873 | 675.6744 |
| #3 | .1036075 | .1354339 | 65.72138 | .9790662 | 1.126483 | 1.005071 | 669.9366 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.26601 | 14.81918 | 1.044338 | .0138834 | 4.047187 | 1.817916 | 5.634397 |
| Stddev | .08626   | .11807   | .006850  | .0003240 | .146031  | .004103  | .064218  |
| %RSD   | .4256407 | .7967417 | .6558898 | 2.333969 | 3.608212 | .2256820 | 1.139755 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.27004 | 14.78734 | 1.038795 | .0138618 | 3.973454 | 1.821722 | 5.560778 |
| #2 | 20.35019 | 14.94990 | 1.042224 | .0142177 | 3.952723 | 1.813570 | 5.663508 |
| #3 | 20.17780 | 14.72029 | 1.051996 | .0135707 | 4.215384 | 1.818456 | 5.678904 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.381170 | 13.25334 | -1.94854 | .0116674 | 20.41570 | 4.383117 | .2396091 |
| Stddev | .035917  | .06934   | .01466   | .0002392 | .03455   | .030947  | .0024151 |
| %RSD   | .4865967 | .5231570 | .7524549 | 2.050203 | .1692220 | .7060613 | 1.007932 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.372843 | 13.31349 | -1.96503 | .0116337 | 20.45087 | 4.397932 | .2377412 |
| #2 | 7.350148 | 13.17751 | -1.94365 | .0114468 | 20.38181 | 4.347547 | .2387497 |
| #3 | 7.420518 | 13.26903 | -1.93696 | .0119216 | 20.41440 | 4.403873 | .2423363 |

Sample Name: I3274-10      Acquired: 5/23/2017 18:19:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.415192 | .1454883 | .5429196 |
| Stddev | .003224  | .0011957 | .0015314 |
| %RSD   | .2277829 | .8218836 | .2820630 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.415898 | .1468152 | .5428840 |
| #2 | 1.418004 | .1444943 | .5444684 |
| #3 | 1.411674 | .1451553 | .5414063 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1768.923 | 2543.567 | 64195.26 | 6439.276 | 3091.941 |
| Stddev    | 9.848    | 7.558    | 96.09    | 32.929   | 5.670    |
| %RSD      | .5567164 | .2971249 | .1496867 | .5113735 | .1833890 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1774.786 | 2552.033 | 64303.41 | 6417.355 | 3096.544 |
| #2 | 1757.554 | 2541.170 | 64119.69 | 6423.331 | 3093.673 |
| #3 | 1774.430 | 2537.499 | 64162.70 | 6477.142 | 3085.607 |

Sample Name: I3274-08LX5      Acquired: 5/23/2017 18:25:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB4L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0596100 | -.012846 | .4166858 | -.038234 | .0017907 | 26.17130 | .6610240 |
| Stddev | .0036277 | .001586  | .0041782 | .002632  | .0005437 | .12534   | .0029452 |
| %RSD   | 6.085752 | 12.34585 | 1.002723 | 6.885169 | 30.36503 | .4789164 | .4455495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0559428 | -.014491 | .4203406 | -.035383 | .0013254 | 26.08705 | .6612079 |
| #2 | .0596902 | -.012720 | .4121309 | -.038745 | .0016582 | 26.11152 | .6579911 |
| #3 | .0631969 | -.011327 | .4175858 | -.040573 | .0023884 | 26.31534 | .6638729 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0057925 | .0079607 | 17.58187 | .1375640 | .0356122 | .1201865 | 157.7011 |
| Stddev | .0000358 | .0000837 | .12850   | .0009169 | .0001474 | .0011735 | 1.1239   |
| %RSD   | .6174199 | 1.050775 | .7308555 | .6665556 | .4140157 | .9763935 | .7126599 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0058304 | .0079886 | 17.43349 | .1378070 | .0354740 | .1189485 | 156.4034 |
| #2 | .0057594 | .0078667 | 17.65583 | .1383350 | .0355951 | .1203286 | 158.3472 |
| #3 | .0057877 | .0080269 | 17.65629 | .1365500 | .0357674 | .1212825 | 158.3527 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.612341 | 4.124525 | .0268608 | -.005454 | .6400505 | .2214409 | .9387184 |
| Stddev | .030561  | .046049  | .0003322 | .000194  | .1159775 | .0075448 | .0184416 |
| %RSD   | .6625972 | 1.116470 | 1.236647 | 3.548161 | 18.12005 | 3.407141 | 1.964548 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.577145 | 4.072578 | .0272056 | -.005641 | .6917509 | .2144673 | .9248221 |
| #2 | 4.627726 | 4.140666 | .0265429 | -.005255 | .5072140 | .2294499 | .9316930 |
| #3 | 4.632153 | 4.160330 | .0268340 | -.005466 | .7211867 | .2204055 | .9596402 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.092900 | 2.230018 | -.459591 | .0015534 | 2.455040 | .9123924 | .0932272 |
| Stddev | .013855  | .009673  | .003742  | .0000675 | .039207  | .0067994 | .0018268 |
| %RSD   | 1.267761 | .4337626 | .8141873 | 4.344428 | 1.596998 | .7452301 | 1.959516 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.081824 | 2.231289 | -.456041 | .0016018 | 2.474625 | .9202437 | .0930798 |
| #2 | 1.088439 | 2.219773 | -.459233 | .0015822 | 2.409899 | .9084683 | .0914786 |
| #3 | 1.108436 | 2.238993 | -.463499 | .0014763 | 2.480596 | .9084652 | .0951232 |

Sample Name: I3274-08LX5      Acquired: 5/23/2017 18:25:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDACB4L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3114723 | .0271526 | .1082126 |
| Stddev | .0007978 | .0005227 | .0003141 |
| %RSD   | .2561348 | 1.924945 | .2903027 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3106951 | .0276768 | .1082146 |
| #2 | .3114327 | .0266315 | .1078975 |
| #3 | .3122892 | .0271494 | .1085258 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1727.299 | 2452.474 | 59969.33 | 5791.695 | 3589.984 |
| Stddev    | 7.149    | 18.078   | 251.11   | 18.895   | 19.894   |
| %RSD      | .4138910 | .7371138 | .4187370 | .3262394 | .5541623 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1722.934 | 2434.645 | 60071.89 | 5813.377 | 3577.545 |
| #2 | 1723.412 | 2470.791 | 59683.17 | 5782.957 | 3612.929 |
| #3 | 1735.549 | 2451.986 | 60152.93 | 5778.751 | 3579.478 |

Sample Name: I3274-11      Acquired: 5/23/2017 18:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1311059 | -.033293 | 3.106487 | -.072196 | .0097997 | 158.2872 | 2.395852 |
| Stddev | .0044277 | .001637  | .006314  | .002870  | .0021525 | .5543    | .010257  |
| %RSD   | 3.377156 | 4.917053 | .2032683 | 3.975798 | 21.96471 | .3502073 | .4280996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1261198 | -.033035 | 3.108988 | -.075507 | .0073666 | 158.7240 | 2.397959 |
| #2 | .1345778 | -.035043 | 3.099305 | -.070397 | .0114556 | 158.4739 | 2.404892 |
| #3 | .1326202 | -.031800 | 3.111168 | -.070685 | .0105770 | 157.6636 | 2.384706 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0180108 | .0909043 | 399.4690 | .4147561 | .1037304 | 2.085156 | 316.6928 |
| Stddev | .0001144 | .0002940 | 2.3687   | .0021856 | .0003858 | .011606  | 1.8039   |
| %RSD   | .6353087 | .3234161 | .5929653 | .5269727 | .3719576 | .5566113 | .5696110 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0179949 | .0910365 | 401.5490 | .4164546 | .1041717 | 2.091589 | 318.4693 |
| #2 | .0179051 | .0905674 | 399.9670 | .4122902 | .1034565 | 2.092120 | 316.7464 |
| #3 | .0181323 | .0911090 | 396.8908 | .4155234 | .1035632 | 2.071758 | 314.8627 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.28815 | 199.3431 | .1576684 | -.005860 | 5.859337 | .3828886 | 6.254271 |
| Stddev | .17280   | .8907    | .0001004 | .000397  | .046757  | .0016252 | .013143  |
| %RSD   | .7420198 | .4468294 | .0636840 | 6.766736 | .7979911 | .4244649 | .2101518 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 23.45218 | 200.1659 | .1577325 | -.006210 | 5.911333 | .3845203 | 6.268512 |
| #2 | 23.30451 | 199.4663 | .1575526 | -.005941 | 5.845929 | .3828756 | 6.251696 |
| #3 | 23.10774 | 198.3972 | .1577200 | -.005429 | 5.820749 | .3812699 | 6.242606 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.48882 | 10.65354 | -.863784 | .0124933 | 36.52227 | 3.524994 | .1494761 |
| Stddev | .07417   | .01279   | .007492  | .0000902 | .07186   | .030871  | .0011490 |
| %RSD   | .5938672 | .1200352 | .8673840 | .7224088 | .1967609 | .8757623 | .7686972 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.53003 | 10.66822 | -.870824 | .0124121 | 36.60504 | 3.560563 | .1506615 |
| #2 | 12.40320 | 10.64756 | -.855909 | .0125905 | 36.48606 | 3.505187 | .1483673 |
| #3 | 12.53323 | 10.64484 | -.864617 | .0124773 | 36.47572 | 3.509230 | .1493995 |

Sample Name: I3274-11      Acquired: 5/23/2017 18:29:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACB5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.713975 | .1634463 | .6008594 |
| Stddev | .023682  | .0009923 | .0024708 |
| %RSD   | .4144599 | .6070867 | .4112126 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.728672 | .1644838 | .6031514 |
| #2 | 5.726598 | .1633487 | .6011848 |
| #3 | 5.686655 | .1625065 | .5982420 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1676.478 | 2401.790 | 59668.36 | 6103.133 | 2763.675 |
| Stddev    | 5.335    | 3.624    | 139.60   | 32.147   | 5.158    |
| %RSD      | .3182291 | .1508906 | .2339553 | .5267320 | .1866473 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1671.713 | 2405.924 | 59508.28 | 6066.015 | 2768.272 |
| #2 | 1675.479 | 2399.160 | 59764.75 | 6122.042 | 2758.097 |
| #3 | 1682.242 | 2400.287 | 59732.06 | 6121.343 | 2764.657 |

Sample Name: CCV037      Acquired: 5/23/2017 18:33:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV037      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.898507 | 4.731899 | 23.77088 | 4.805225 | 4.951461 | 413.3383 |
| Stddev | .021651  | .004030  | .04971   | .015887  | .021798  | 2.3027   |
| %RSD   | .4419959 | .0851709 | .2091099 | .3306131 | .4402272 | .5570920 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.919670 | 4.736398 | 23.76018 | 4.820014 | 4.973066 | 415.8641 |
| #2 | 4.876399 | 4.728618 | 23.72739 | 4.788431 | 4.929475 | 412.7945 |
| #3 | 4.899453 | 4.730682 | 23.82507 | 4.807231 | 4.951843 | 411.3561 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.34328 | .5332538 | 2.432210 | 402.1565 | 14.81991 | 2.462764 |
| Stddev | .07747   | .0031903 | .005498  | .8196    | .06934   | .004937  |
| %RSD   | .7489425 | .5982710 | .2260688 | .2037921 | .4679043 | .2004754 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.42223 | .5349778 | 2.430486 | 402.8987 | 14.88495 | 2.465168 |
| #2 | 10.34022 | .5295724 | 2.427780 | 401.2769 | 14.74694 | 2.457085 |
| #3 | 10.26739 | .5352112 | 2.438364 | 402.2940 | 14.82785 | 2.466038 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.59748 | 404.9688 | 15.19731 | 419.5016 | 2.395384 | 1.242104 |
| Stddev | .10570   | 1.3729   | .07108   | 1.9864   | .003631  | .002772  |
| %RSD   | .6776541 | .3390176 | .4677026 | .4735066 | .1515640 | .2232056 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.70105 | 404.9534 | 15.20861 | 419.9839 | 2.395208 | 1.244663 |
| #2 | 15.60163 | 403.6037 | 15.12126 | 417.3186 | 2.391845 | 1.239158 |
| #3 | 15.48978 | 406.3494 | 15.26206 | 421.2025 | 2.399100 | 1.242490 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 419.7488 | 2.472447 | 13.88431 | 163.5784 | 5.299043 | F 4.405190 |
| Stddev | 1.8341   | .017405  | .10649   | 1.1319   | .006041  | .013726    |
| %RSD   | .4369493 | .7039534 | .7669581 | .6919488 | .1139975 | .3115775   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 421.7829 | 2.490448 | 13.79747 | 164.4793 | 5.305674 | 4.398288 |
| #2 | 419.2425 | 2.455707 | 13.85235 | 163.9480 | 5.297605 | 4.396284 |
| #3 | 418.2210 | 2.471187 | 14.00312 | 162.3079 | 5.293852 | 4.420996 |



Sample Name: CCV037      Acquired: 5/23/2017 18:33:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV037      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.787858 | 5.040787 | 5.241918 | 4.833980 | 5.140274 | 5.404566 |
| Stddev | .012984  | .007211  | .020565  | .009805  | .028603  | .051791  |
| %RSD   | .2711859 | .1430514 | .3923257 | .2028326 | .5564505 | .9582863 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.799803 | 5.040923 | 5.241672 | 4.845014 | 5.173252 | 5.451324 |
| #2 | 4.774038 | 5.047928 | 5.221476 | 4.826266 | 5.125359 | 5.413476 |
| #3 | 4.789733 | 5.033508 | 5.262605 | 4.830659 | 5.122212 | 5.348898 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.263274 |
| Stddev | .050983  |
| %RSD   | .9686586 |

|    |          |
|----|----------|
| #1 | 5.310106 |
| #2 | 5.270752 |
| #3 | 5.208965 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1399.507 | 2008.670 | 49563.35 | 5067.642 | 2551.609 |
| Stddev    | 8.823    | 3.188    | 98.09    | 17.223   | 4.379    |
| %RSD      | .6304527 | .1587182 | .1979128 | .3398615 | .1716288 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1408.939 | 2006.774 | 49606.16 | 5075.185 | 2554.711 |
| #2 | 1391.455 | 2012.351 | 49632.77 | 5079.807 | 2553.516 |
| #3 | 1398.126 | 2006.885 | 49451.13 | 5047.934 | 2546.599 |

Sample Name: CCB037      Acquired: 5/23/2017 18:46:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB037      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001544 | -.000363 | -.001627 | .0007626 | -.001653 | -.001483 | -.005654 |
| Stddev | .001569  | .001374  | .000861  | .0015724 | .000379  | .005139  | .000580  |
| %RSD   | 101.5921 | 378.7832 | 52.88399 | 206.1796 | 22.93443 | 346.5119 | 10.25890 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000029 | -.001941 | -.002127 | -.000611 | -.002066 | -.003586 | -.006146 |
| #2 | -.003161 | .000277  | -.000634 | .002478  | -.001569 | -.005236 | -.005802 |
| #3 | -.001443 | .000575  | -.002122 | .000421  | -.001322 | .004374  | -.005014 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000030 | -.000109 | -.043419 | .0000571 | .0000991 | -.000445 | -.003960 |
| Stddev | .000053  | .000050  | .011858  | .0002290 | .0001238 | .001559  | .026513  |
| %RSD   | 177.0414 | 46.07270 | 27.30987 | 401.2375 | 124.9217 | 350.7263 | 669.4781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000027  | -.000073 | -.057104 | .0001963 | .0001914 | -.001669 | .013743  |
| #2 | -.000079 | -.000167 | -.036933 | .0001823 | .0001473 | .001311  | -.034442 |
| #3 | -.000039 | -.000087 | -.036219 | -.000207 | -.000042 | -.000975 | .008819  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005630 | .0145228 | -.000172 | .0004259 | -.067440 | -.000795 | -.002995 |
| Stddev | .0004148 | .0278097 | .000172  | .0000809 | .050364  | .003867  | .013636  |
| %RSD   | 73.68317 | 191.4902 | 100.2593 | 18.99156 | 74.68015 | 486.4306 | 455.2827 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010131 | -.012574 | -.000015 | .0005082 | -.125267 | -.004672 | -.017784 |
| #2 | .0004797 | .042994  | -.000144 | .0004228 | -.033176 | .003062  | .009081  |
| #3 | .0001961 | .013148  | -.000357 | .0003466 | -.043878 | -.000775 | -.000282 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.189713 | -.002321 | -.003476 | -.000098 | -.007020 | -.013749 | -.000290 |
| Stddev | .025670  | .001811  | .000340  | .000358  | .009574  | .000822  | .000375  |
| %RSD   | 13.53122 | 78.02150 | 9.792707 | 365.2714 | 136.3676 | 5.977166 | 129.2414 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.174458 | -.004390 | -.003375 | .000218  | -.015457 | -.013889 | -.000702 |
| #2 | -.219350 | -.001024 | -.003198 | -.000487 | .003385  | -.012866 | .000033  |
| #3 | -.175330 | -.001549 | -.003856 | -.000025 | -.008989 | -.014492 | -.000202 |

Sample Name: CCB037      Acquired: 5/23/2017 18:46:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB037      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0005476 | -.000634 | -.000073 |
| Stddev | .0008168 | .001156  | .000022  |
| %RSD   | 149.1543 | 182.4468 | 29.80031 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0013983 | .000044  | -.000078 |
| #2 | -.000231 | .000023  | -.000092 |
| #3 | .000475  | -.001969 | -.000049 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1695.879 | 2431.605 | 58456.61 | 5441.600 | 3948.247 |
| Stddev    | 16.785   | 6.797    | 125.88   | 18.952   | 7.319    |
| %RSD      | .9897281 | .2795371 | .2153308 | .3482819 | .1853823 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1676.660 | 2427.836 | 58322.29 | 5422.090 | 3946.822 |
| #2 | 1703.327 | 2439.451 | 58475.67 | 5442.770 | 3956.173 |
| #3 | 1707.651 | 2427.526 | 58571.87 | 5459.940 | 3941.744 |

Sample Name: PB99205BL      Acquired: 5/23/2017 18:50:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0000920 | -.001783 | -.000714 | .0012973 | -.000664 | .0027509 | -.004683 |
| Stddev | .0016373 | .000908  | .000526  | .0016015 | .001140  | .0010968 | .001130  |
| %RSD   | 1779.899 | 50.92615 | 73.59658 | 123.4502 | 171.6960 | 39.86876 | 24.13824 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001117 | -.000743 | -.001064 | -.000389 | -.000161 | .0019127 | -.005566 |
| #2 | -.000562 | -.002187 | -.000110 | .001484  | -.001969 | .0039922 | -.005075 |
| #3 | .001955  | -.002419 | -.000969 | .002797  | .000138  | .0023480 | -.003409 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000039 | -.000107 | -.037834 | .0002318 | .0002384 | .0005451 | -.003140 |
| Stddev | .000077  | .000028  | .006631  | .0001424 | .0001201 | .0014351 | .015009  |
| %RSD   | 197.5296 | 26.50968 | 17.52586 | 61.41924 | 50.34935 | 263.2516 | 478.0546 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000125 | -.000134 | -.034345 | .0003098 | .0001018 | .0015778 | -.012101 |
| #2 | .000026  | -.000077 | -.045481 | .0003182 | .0002868 | -.001094 | -.011506 |
| #3 | -.000018 | -.000109 | -.033677 | .0000675 | .0003268 | .001151  | .014188  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000303 | -.010705 | -.000119 | .0003649 | -.230033 | -.001337 | -.006800 |
| Stddev | .0008369 | .048754  | .000244  | .0003532 | .084260  | .002481  | .010512  |
| %RSD   | 2758.706 | 455.4207 | 204.0881 | 96.79856 | 36.62945 | 185.5267 | 154.5740 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004600 | .045195  | -.000164 | .0001700 | -.253853 | -.004176 | -.011265 |
| #2 | -.000934 | -.032880 | -.000338 | .0007726 | -.299817 | .000420  | -.014342 |
| #3 | .000565  | -.044430 | .000143  | .0001521 | -.136427 | -.000257 | .005207  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.196842 | -.003924 | -.004224 | .0000426 | -.021818 | -.013516 | -.000489 |
| Stddev | .033249  | .000664  | .000315  | .0001618 | .012970  | .000624  | .000249  |
| %RSD   | 16.89144 | 16.91259 | 7.446968 | 379.7026 | 59.44582 | 4.615074 | 50.93887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.158773 | -.004439 | -.003861 | .0000103 | -.022094 | -.013204 | -.000715 |
| #2 | -.211565 | -.003175 | -.004410 | .0002180 | -.008713 | -.013109 | -.000530 |
| #3 | -.220188 | -.004157 | -.004402 | -.000101 | -.034648 | -.014234 | -.000222 |

Sample Name: PB99205BL      Acquired: 5/23/2017 18:50:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0006320 | -.001040 | -.000110 |
| Stddev | .0002363 | .000602  | .000036  |
| %RSD   | 37.39295 | 57.92456 | 32.80459 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009049 | -.000523 | -.000151 |
| #2 | .0005006 | -.001701 | -.000083 |
| #3 | .0004906 | -.000895 | -.000097 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1748.549 | 2508.182 | 59990.13 | 5732.437 | 4062.669 |
| Stddev    | 9.419    | 5.222    | 304.93   | 279.380  | 2.423    |
| %RSD      | .5386765 | .2081799 | .5082952 | 4.873660 | .0596505 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1737.802 | 2502.696 | 59667.52 | 5582.400 | 4065.240 |
| #2 | 1755.373 | 2513.092 | 60029.29 | 5560.130 | 4060.426 |
| #3 | 1752.471 | 2508.758 | 60273.59 | 6054.780 | 4062.340 |

Sample Name: PB99205BS      Acquired: 5/23/2017 18:54:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0151822 | .0506008 | .0182277 | .0657058 | .1150060 | .3991519 |
| Stddev | .0011704 | .0012661 | .0012471 | .0020491 | .0017802 | .0098110 |
| %RSD   | 7.708781 | 2.502072 | 6.841875 | 3.118624 | 1.547881 | 2.457971 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0151734 | .0491804 | .0191693 | .0661594 | .1155139 | .3923817 |
| #2 | .0163569 | .0510114 | .0187004 | .0674901 | .1164771 | .3946707 |
| #3 | .0140162 | .0516106 | .0168133 | .0634679 | .1130271 | .4104034 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4046297 | .0099896 | .0091023 | 9.565996 | .0229412 | .0920420 |
| Stddev | .0006722 | .0000258 | .0000286 | .068352  | .0003946 | .0008185 |
| %RSD   | .1661186 | .2578461 | .3142899 | .7145292 | 1.719943 | .8893002 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4038676 | .0099709 | .0091170 | 9.504418 | .0225054 | .0913967 |
| #2 | .4048833 | .0099788 | .0090693 | 9.554030 | .0232742 | .0929627 |
| #3 | .4051382 | .0100190 | .0091206 | 9.639541 | .0230439 | .0917665 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0520013 | .2117459 | .0316039 | 9.876392 | .0732271 | .0179583 |
| Stddev | .0009313 | .0025190 | .0001226 | .025342  | .0002987 | .0001499 |
| %RSD   | 1.790985 | 1.189648 | .3878462 | .2565902 | .4079667 | .8344999 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0511919 | .2146181 | .0315399 | 9.857025 | .0731812 | .0177938 |
| #2 | .0530192 | .2107074 | .0317453 | 9.867078 | .0729540 | .0179940 |
| #3 | .0517927 | .2099121 | .0315267 | 9.905073 | .0735462 | .0180871 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.718033 | .1044824 | .0857677 | 9.237882 | F .0291617 | F .0184221 |
| Stddev | .170053  | .0011722 | .0020764 | .056046  | .0015294   | .0010076   |
| %RSD   | 1.749867 | 1.121888 | 2.420939 | .6067022 | 5.244460   | 5.469511   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.749581 | .1049407 | .0872327 | 9.173276 | .0280548 | .0184603 |
| #2 | 9.534415 | .1031503 | .0866788 | 9.266904 | .0285234 | .0194100 |
| #3 | 9.870102 | .1053562 | .0833915 | 9.273465 | .0309068 | .0173959 |

Sample Name: PB99205BS      Acquired: 5/23/2017 18:54:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      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    | .0219420 | .5035650 | .1897666 | F .0141083 | .2086793 | .0969111 |
| Stddev | .0001687 | .0110664 | .0008051 | .0006186   | .0014235 | .0005067 |
| %RSD   | .7690112 | 2.197612 | .4242788 | 4.384750   | .6821655 | .5228065 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0219496 | .5016799 | .1901049 | .0134270 | .2079784 | .0964841 |
| #2 | .0221069 | .5154529 | .1888475 | .0146349 | .2077422 | .0974710 |
| #3 | .0217696 | .4935622 | .1903474 | .0142630 | .2103174 | .0967783 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2151018 |
| Stddev | .0011170 |
| %RSD   | .5192706 |

|    |          |
|----|----------|
| #1 | .2138121 |
| #2 | .2157367 |
| #3 | .2157566 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1686.685 | 2415.488 | 59036.50 | 5631.750 | 3810.083 |
| Stddev    | 9.176    | 12.155   | 108.53   | 22.941   | 11.392   |
| %RSD      | .5439985 | .5032021 | .1838402 | .4073555 | .2989878 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1680.024 | 2411.042 | 58989.48 | 5655.993 | 3812.511 |
| #2 | 1697.151 | 2406.182 | 58959.40 | 5628.878 | 3797.672 |
| #3 | 1682.880 | 2429.239 | 59160.62 | 5610.381 | 3820.064 |

Sample Name: I3272-01      Acquired: 5/23/2017 18:58:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1717134 | -.029075 | 2.369057 | -.053762 | .0287176 | 98.87662 | 3.460086 |
| Stddev | .0062855 | .000373  | .006357  | .004113  | .0007126 | .14178   | .009568  |
| %RSD   | 3.660458 | 1.284282 | .2683418 | 7.650328 | 2.481419 | .1433885 | .2765385 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1714514 | -.029407 | 2.366584 | -.049528 | .0295077 | 98.75288 | 3.450431 |
| #2 | .1655631 | -.028671 | 2.364308 | -.057742 | .0285213 | 99.03132 | 3.469566 |
| #3 | .1781259 | -.029147 | 2.376279 | -.054016 | .0281237 | 98.84565 | 3.460260 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0156299 | .0219719 | 40.35495 | .3185784 | .1632140 | .5636691 | 268.5863 |
| Stddev | .0000615 | .0001383 | .16579   | .0020017 | .0006603 | .0006930 | 1.1261   |
| %RSD   | .3933904 | .6292114 | .4108312 | .6283281 | .4045721 | .1229496 | .4192678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0155715 | .0220193 | 40.16741 | .3208718 | .1624945 | .5640904 | 267.3496 |
| #2 | .0156242 | .0218161 | 40.41545 | .3171825 | .1633553 | .5628692 | 268.8568 |
| #3 | .0156941 | .0220802 | 40.48200 | .3176808 | .1637922 | .5640477 | 269.5526 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.13220 | 7.119312 | .1700528 | -.006639 | 2.567177 | .4011610 | 2.927461 |
| Stddev | .07394   | .073227  | .0006458 | .000216  | .065613  | .0057711 | .006443  |
| %RSD   | .3864853 | 1.028563 | .3797526 | 3.250648 | 2.555829 | 1.438603 | .2200901 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.05561 | 7.113827 | .1705736 | -.006643 | 2.584230 | .3947346 | 2.933722 |
| #2 | 19.13782 | 7.048982 | .1702545 | -.006853 | 2.494722 | .4059013 | 2.927810 |
| #3 | 19.20317 | 7.195127 | .1693302 | -.006422 | 2.622580 | .4028471 | 2.920850 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.578975 | 11.71940 | -.775308 | .0207895 | 13.04177 | 2.411721 | .0976499 |
| Stddev | .024896  | .04318   | .003368  | .0002584 | .06613   | .030860  | .0001240 |
| %RSD   | .3784107 | .3684850 | .4343543 | 1.242923 | .5070293 | 1.279576 | .1269735 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.582261 | 11.70765 | -.771976 | .0207785 | 13.04261 | 2.429178 | .0975652 |
| #2 | 6.552600 | 11.68331 | -.775239 | .0205368 | 12.97522 | 2.376089 | .0977922 |
| #3 | 6.602064 | 11.76725 | -.778710 | .0210533 | 13.10747 | 2.429895 | .0975923 |



Sample Name: I3272-01      Acquired: 5/23/2017 18:58:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9908143 | .0948967 | .7076101 |
| Stddev | .0066221 | .0008910 | .0023663 |
| %RSD   | .6683467 | .9389325 | .3344105 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9857799 | .0942216 | .7050770 |
| #2 | .9983158 | .0959066 | .7079895 |
| #3 | .9883473 | .0945618 | .7097637 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1874.041 | 2684.327 | 66285.54 | 6493.894 | 3375.692 |
| Stddev    | 9.398    | 11.306   | 147.09   | 33.608   | 10.237   |
| %RSD      | .5014668 | .4211986 | .2219102 | .5175340 | .3032686 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1884.178 | 2680.041 | 66455.16 | 6531.027 | 3374.869 |
| #2 | 1872.326 | 2697.150 | 66193.07 | 6485.096 | 3386.316 |
| #3 | 1865.619 | 2675.791 | 66208.38 | 6465.561 | 3365.891 |

Sample Name: I3272-02      Acquired: 5/23/2017 19:02:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0471280 | -.020210 | .2433073 | -.050803 | .0043116 | 98.24432 | .6374770 |
| Stddev | .0014807 | .002251  | .0003421 | .000542  | .0004550 | .25209   | .0032510 |
| %RSD   | 3.141870 | 11.13924 | .1406100 | 1.067294 | 10.55381 | .2565924 | .5099815 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0483896 | -.020887 | .2436534 | -.050188 | .0038211 | 98.05090 | .6353972 |
| #2 | .0474967 | -.022044 | .2429693 | -.051007 | .0043939 | 98.15265 | .6358105 |
| #3 | .0454978 | -.017698 | .2432991 | -.051213 | .0047199 | 98.52941 | .6412234 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0090454 | .0099960 | 13.45445 | .2871150 | .1514056 | .0937881 | 222.6814 |
| Stddev | .0000941 | .0002113 | .03410   | .0010447 | .0006732 | .0022735 | .5261    |
| %RSD   | 1.040506 | 2.114298 | .2534460 | .3638719 | .4446311 | 2.424047 | .2362570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0091498 | .0099390 | 13.42632 | .2882328 | .1512675 | .0955448 | 222.7896 |
| #2 | .0089670 | .0102300 | 13.44465 | .2861632 | .1508122 | .0945992 | 222.1095 |
| #3 | .0090195 | .0098190 | 13.49237 | .2869491 | .1521372 | .0912204 | 223.1449 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.86400 | 3.493323 | .0730554 | -.008136 | .8970646 | .3392178 | .3791004 |
| Stddev | .05525   | .046177  | .0005554 | .000144  | .0456652 | .0055131 | .0045283 |
| %RSD   | .4294962 | 1.321850 | .7602387 | 1.770745 | 5.090512 | 1.625234 | 1.194496 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.84734 | 3.466405 | .0733325 | -.008093 | .8734021 | .3388267 | .3741681 |
| #2 | 12.81899 | 3.466922 | .0724160 | -.008019 | .8680869 | .3339107 | .3830699 |
| #3 | 12.92566 | 3.546642 | .0734177 | -.008297 | .9497048 | .3449160 | .3800632 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.941030 | 1.676827 | -.650801 | .0047413 | 1.399855 | 6.126673 | .0115947 |
| Stddev | .024113  | .011841  | .003733  | .0001810 | .028804  | .028941  | .0014591 |
| %RSD   | .6118345 | .7061788 | .5736238 | 3.818089 | 2.057608 | .4723719 | 12.58442 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.949551 | 1.676214 | -.648364 | .0049380 | 1.427167 | 6.122159 | .0127596 |
| #2 | 3.959725 | 1.665304 | -.648940 | .0045817 | 1.369762 | 6.157605 | .0120663 |
| #3 | 3.913814 | 1.688963 | -.655099 | .0047042 | 1.402636 | 6.100255 | .0099580 |

Sample Name: I3272-02      Acquired: 5/23/2017 19:02:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7046043 | .0250773 | .0911030 |
| Stddev | .0022067 | .0001141 | .0000292 |
| %RSD   | .3131783 | .4548428 | .0320164 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7055092 | .0252068 | .0911303 |
| #2 | .7020890 | .0250336 | .0910723 |
| #3 | .7062146 | .0249916 | .0911064 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1789.779 | 2578.986 | 62052.22 | 6094.309 | 3528.321 |
| Stddev    | 5.324    | 1.987    | 135.17   | 12.172   | 8.602    |
| %RSD      | .2974889 | .0770278 | .2178362 | .1997244 | .2437901 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1785.572 | 2579.013 | 61921.21 | 6080.378 | 3527.789 |
| #2 | 1788.000 | 2580.959 | 62191.20 | 6102.888 | 3537.177 |
| #3 | 1795.765 | 2576.986 | 62044.24 | 6099.661 | 3519.998 |

Sample Name: I3272-03      Acquired: 5/23/2017 19:06:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0432163 | -.014221 | .1575263 | -.040068 | .0032252 | 90.91068 | .4275532 |
| Stddev | .0037715 | .001242  | .0029254 | .002509  | .0011638 | .32825   | .0033654 |
| %RSD   | 8.726963 | 8.730737 | 1.857065 | 6.260826 | 36.08530 | .3610712 | .7871429 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0472124 | -.014881 | .1544632 | -.039716 | .0019719 | 90.98152 | .4275127 |
| #2 | .0397191 | -.012789 | .1578246 | -.042734 | .0042718 | 91.19773 | .4309387 |
| #3 | .0427174 | -.014994 | .1602911 | -.037754 | .0034320 | 90.55280 | .4242081 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0054611 | .0070093 | 12.45943 | .2337115 | .1098957 | .0817342 | 193.0196 |
| Stddev | .0000759 | .0001244 | .09301   | .0013221 | .0002200 | .0014228 | 1.2271   |
| %RSD   | 1.389365 | 1.774750 | .7465076 | .5656964 | .2002074 | 1.740707 | .6357324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0053744 | .0068690 | 12.54819 | .2349524 | .1101484 | .0833548 | 194.3846 |
| #2 | .0055150 | .0070528 | 12.46740 | .2338611 | .1097469 | .0811576 | 192.6661 |
| #3 | .0054941 | .0071062 | 12.36268 | .2323209 | .1097917 | .0806903 | 192.0080 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.205844 | 3.243256 | .0548943 | -.006845 | .7297492 | .3036858 | .1699900 |
| Stddev | .027282  | .032861  | .0005035 | .000510  | .0606196 | .0070799 | .0076491 |
| %RSD   | .3786150 | 1.013201 | .9172383 | 7.457977 | 8.306912 | 2.331313 | 4.499744 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.235814 | 3.280183 | .0547967 | -.006256 | .7827765 | .2964441 | .1615341 |
| #2 | 7.199264 | 3.232349 | .0554394 | -.007125 | .6636651 | .3105919 | .1764274 |
| #3 | 7.182452 | 3.217235 | .0544467 | -.007154 | .7428061 | .3040215 | .1720085 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.549489 | 1.382907 | -.568688 | .0049187 | 1.299104 | 4.239222 | .0099957 |
| Stddev | .052512  | .002686  | .006165  | .0001459 | .008926  | .040282  | .0003864 |
| %RSD   | 1.479425 | .1942150 | 1.083994 | 2.965503 | .6871155 | .9502304 | 3.865679 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.591988 | 1.385496 | -.574901 | .0048698 | 1.292836 | 4.277576 | .0098371 |
| #2 | 3.565695 | 1.383091 | -.568589 | .0050827 | 1.295151 | 4.242835 | .0104362 |
| #3 | 3.490784 | 1.380134 | -.562573 | .0048035 | 1.309324 | 4.197254 | .0097139 |

Sample Name: I3272-03      Acquired: 5/23/2017 19:06:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6676487 | .0263166 | .0814846 |
| Stddev | .0126111 | .0009116 | .0005437 |
| %RSD   | 1.888875 | 3.463821 | .6672391 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6763843 | .0260054 | .0817698 |
| #2 | .6733707 | .0273430 | .0818262 |
| #3 | .6531910 | .0256014 | .0808576 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1721.604 | 2472.456 | 59949.60 | 5873.483 | 3546.131 |
| Stddev    | 10.663   | 8.749    | 78.84    | 48.893   | 10.419   |
| %RSD      | .6193761 | .3538580 | .1315155 | .8324323 | .2938135 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1731.875 | 2464.368 | 60039.57 | 5825.220 | 3538.743 |
| #2 | 1722.350 | 2471.257 | 59916.65 | 5872.248 | 3541.601 |
| #3 | 1710.588 | 2481.742 | 59892.57 | 5922.982 | 3558.048 |

Sample Name: I3272-04      Acquired: 5/23/2017 19:10:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0431356 | -.014760 | .1162694 | -.038738 | .0028067 | 111.1678 | .3836435 |
| Stddev | .0010580 | .000777  | .0017161 | .001331  | .0012076 | .2020    | .0006193 |
| %RSD   | 2.452763 | 5.266479 | 1.475993 | 3.436371 | 43.02423 | .1817191 | .1614176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0429587 | -.015206 | .1158987 | -.040017 | .0035346 | 111.2687 | .3831899 |
| #2 | .0442709 | -.013862 | .1181406 | -.038839 | .0034729 | 110.9352 | .3833917 |
| #3 | .0421771 | -.015212 | .1147689 | -.037360 | .0014128 | 111.2995 | .3843491 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042032 | .0072150 | 13.66884 | .2030478 | .0996334 | .0967095 | 211.7288 |
| Stddev | .0000284 | .0000575 | .08353   | .0011853 | .0006726 | .0005985 | 1.2013   |
| %RSD   | .6760688 | .7969686 | .6110686 | .5837655 | .6750599 | .6188614 | .5673651 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0041788 | .0071726 | 13.76193 | .2027111 | .1001275 | .0961917 | 212.8939 |
| #2 | .0041965 | .0072804 | 13.64412 | .2043651 | .0999052 | .0965721 | 210.4943 |
| #3 | .0042344 | .0071918 | 13.60046 | .2020673 | .0988674 | .0973647 | 211.7982 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.189830 | 4.292250 | .0488319 | -.007350 | .8288698 | .3396793 | .1508411 |
| Stddev | .024340  | .013251  | .0004102 | .000168  | .0953732 | .0073628 | .0065499 |
| %RSD   | .5809380 | .3087165 | .8400363 | 2.289985 | 11.50642 | 2.167567 | 4.342281 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.214547 | 4.294805 | .0489769 | -.007544 | .7528359 | .3321755 | .1433097 |
| #2 | 4.165885 | 4.304037 | .0491499 | -.007264 | .9358808 | .3468925 | .1552066 |
| #3 | 4.189058 | 4.277907 | .0483689 | -.007242 | .7978927 | .3399698 | .1540071 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.524610 | 1.197488 | -.618910 | .0055186 | .9379246 | 4.499609 | .0094097 |
| Stddev | .035514  | .000954  | .004948  | .0004447 | .0125582 | .017057  | .0010155 |
| %RSD   | .7849027 | .0797040 | .7995110 | 8.057578 | 1.338929 | .3790790 | 10.79178 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.548961 | 1.196788 | -.624489 | .0054911 | .9491909 | 4.519279 | .0083220 |
| #2 | 4.483860 | 1.197101 | -.615052 | .0050884 | .9243851 | 4.490657 | .0095744 |
| #3 | 4.541008 | 1.198575 | -.617188 | .0059764 | .9401979 | 4.488893 | .0103328 |

Sample Name: I3272-04      Acquired: 5/23/2017 19:10:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7425260 | .0419249 | .0866570 |
| Stddev | .0029677 | .0001465 | .0001876 |
| %RSD   | .3996764 | .3493588 | .2165218 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7423096 | .0420278 | .0866920 |
| #2 | .7396725 | .0419896 | .0864544 |
| #3 | .7455960 | .0417572 | .0868248 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1678.493 | 2417.313 | 58551.40 | 5734.066 | 3513.103 |
| Stddev    | 2.338    | 7.347    | 4.97     | 45.671   | 3.963    |
| %RSD      | .1392665 | .3039253 | .0084826 | .7964830 | .1128167 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1680.622 | 2418.491 | 58553.70 | 5684.692 | 3509.273 |
| #2 | 1675.991 | 2424.000 | 58554.80 | 5774.800 | 3517.188 |
| #3 | 1678.864 | 2409.449 | 58545.70 | 5742.704 | 3512.849 |

Sample Name: I3272-05      Acquired: 5/23/2017 19:15:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1567780 | -.034859 | 2.104522 | -.070458 | .0135700 | 99.36993 | 2.973399 |
| Stddev | .0054365 | .002188  | .004987  | .000403  | .0008767 | .08043   | .008347  |
| %RSD   | 3.467646 | 6.277188 | .2369685 | .5718943 | 6.460468 | .0809437 | .2807097 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1551749 | -.033639 | 2.108639 | -.070884 | .0141766 | 99.27741 | 2.963789 |
| #2 | .1523234 | -.037385 | 2.098977 | -.070406 | .0139687 | 99.40914 | 2.977567 |
| #3 | .1628359 | -.033553 | 2.105950 | -.070083 | .0125649 | 99.42323 | 2.978840 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0139984 | .0289815 | 96.40397 | .2582659 | .0881779 | .4490490 | 331.8794 |
| Stddev | .0000420 | .0002098 | .08538   | .0008471 | .0004409 | .0015801 | .2870    |
| %RSD   | .3003914 | .7238237 | .0885672 | .3280112 | .4999502 | .3518822 | .0864796 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0140135 | .0292120 | 96.36404 | .2590746 | .0878889 | .4505535 | 331.5600 |
| #2 | .0140308 | .0289310 | 96.34588 | .2583382 | .0879595 | .4474028 | 332.1158 |
| #3 | .0139509 | .0288016 | 96.50200 | .2573850 | .0886853 | .4491907 | 331.9623 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.227816 | 16.08216 | .0946813 | -.011079 | 2.128942 | .3879029 | 3.545742 |
| Stddev | .007099  | .12486   | .0009054 | .000173  | .086139  | .0073382 | .012563  |
| %RSD   | .0982246 | .7763724 | .9562358 | 1.558137 | 4.046114 | 1.891772 | .3543205 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.219732 | 15.93826 | .0938550 | -.011276 | 2.133558 | .3956283 | 3.559738 |
| #2 | 7.230681 | 16.16170 | .0945397 | -.010954 | 2.040588 | .3810254 | 3.542050 |
| #3 | 7.233035 | 16.14654 | .0956491 | -.011006 | 2.212681 | .3870551 | 3.535438 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.403106 | 22.80936 | -.956013 | .0169388 | 75.33813 | 3.296124 | .2859082 |
| Stddev | .090902  | .08575   | .003411  | .0001814 | .36092   | .033211  | .0019741 |
| %RSD   | 1.081772 | .3759451 | .3567946 | 1.071153 | .4790682 | 1.007575 | .6904493 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.337500 | 22.89387 | -.953643 | .0169725 | 75.64919 | 3.272511 | .2836814 |
| #2 | 8.506868 | 22.72242 | -.954473 | .0167429 | 74.94240 | 3.281762 | .2866000 |
| #3 | 8.364950 | 22.81179 | -.959922 | .0171011 | 75.42281 | 3.334099 | .2874433 |



Sample Name: I3272-05      Acquired: 5/23/2017 19:15:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7197424 | .1369272 | .9047276 |
| Stddev | .0036358 | .0007639 | .0028631 |
| %RSD   | .5051464 | .5578918 | .3164596 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7164969 | .1365724 | .9014240 |
| #2 | .7190589 | .1378040 | .9064900 |
| #3 | .7236714 | .1364053 | .9062688 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1774.293 | 2538.599 | 63357.58 | 6262.558 | 3257.921 |
| Stddev    | 7.709    | 3.900    | 72.45    | 10.846   | 5.315    |
| %RSD      | .4344695 | .1536150 | .1143438 | .1731939 | .1631422 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1775.990 | 2539.753 | 63288.31 | 6274.860 | 3251.790 |
| #2 | 1765.878 | 2534.252 | 63351.61 | 6258.438 | 3261.226 |
| #3 | 1781.013 | 2541.791 | 63432.83 | 6254.375 | 3260.747 |

Sample Name: I3272-06      Acquired: 5/23/2017 19:19:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC82      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1300707 | -.032874 | 1.963427 | -.067326 | .0010151 | 91.26872 | 2.290602 |
| Stddev | .0055185 | .001852  | .010740  | .005871  | .0007441 | .48416   | .010745  |
| %RSD   | 4.242675 | 5.634588 | .5470115 | 8.720970 | 73.30436 | .5304748 | .4691070 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1271017 | -.034923 | 1.957153 | -.060572 | .0001693 | 90.79798 | 2.279348 |
| #2 | .1266724 | -.031318 | 1.957299 | -.070198 | .0015690 | 91.24292 | 2.291705 |
| #3 | .1364381 | -.032382 | 1.975828 | -.071209 | .0013069 | 91.76527 | 2.300753 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0123509 | .0215483 | 71.72679 | .3156274 | .0838480 | .4449881 | 301.7751 |
| Stddev | .0000988 | .0002233 | .61832   | .0005781 | .0007091 | .0017250 | 2.6821   |
| %RSD   | .7999279 | 1.036052 | .8620511 | .1831516 | .8456779 | .3876408 | .8887857 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0124641 | .0213545 | 71.24953 | .3150666 | .0839615 | .4432092 | 299.6564 |
| #2 | .0123063 | .0214981 | 71.50554 | .3155942 | .0830890 | .4451016 | 300.8781 |
| #3 | .0122823 | .0217924 | 72.42530 | .3162213 | .0844935 | .4466535 | 304.7908 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.014891 | 14.37928 | .1069341 | -.010226 | 1.920166 | .3617493 | 2.986555 |
| Stddev | .058520  | .15527   | .0007872 | .000373  | .073389  | .0071887 | .034160  |
| %RSD   | .9729201 | 1.079799 | .7361349 | 3.651434 | 3.822014 | 1.987212 | 1.143778 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.975589 | 14.22073 | .1060568 | -.009995 | 1.995702 | .3664826 | 2.993371 |
| #2 | 5.986938 | 14.38606 | .1071669 | -.010657 | 1.849131 | .3534772 | 2.949501 |
| #3 | 6.082146 | 14.53104 | .1075787 | -.010027 | 1.915665 | .3652881 | 3.016792 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.279087 | 14.97524 | -.870564 | .0098586 | 9.787492 | 3.383028 | .8980541 |
| Stddev | .033922  | .07746   | .006600  | .0001797 | .032196  | .026678  | .0049511 |
| %RSD   | .6425703 | .5172656 | .7581420 | 1.822849 | .3289545 | .7885900 | .5513167 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.292321 | 14.91326 | -.873943 | .0100175 | 9.766922 | 3.374502 | .8939969 |
| #2 | 5.304396 | 14.95037 | -.862958 | .0096635 | 9.770958 | 3.361656 | .8965944 |
| #3 | 5.240542 | 15.06208 | -.874790 | .0098946 | 9.824596 | 3.412927 | .9035710 |

Sample Name: I3272-06      Acquired: 5/23/2017 19:19:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC82      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6129069 | .1132179 | .6453765 |
| Stddev | .0023973 | .0006385 | .0032596 |
| %RSD   | .3911289 | .5639535 | .5050779 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6101651 | .1125098 | .6421950 |
| #2 | .6146075 | .1133942 | .6452254 |
| #3 | .6139480 | .1137498 | .6487091 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1770.319 | 2532.967 | 62906.06 | 6258.653 | 3308.903 |
| Stddev    | .388     | 16.263   | 22.97    | 30.960   | 14.453   |
| %RSD      | .0219006 | .6420716 | .0365137 | .4946783 | .4368002 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1770.192 | 2515.871 | 62925.18 | 6281.274 | 3301.715 |
| #2 | 1770.754 | 2548.244 | 62912.42 | 6271.317 | 3325.541 |
| #3 | 1770.011 | 2534.787 | 62880.58 | 6223.369 | 3299.453 |

Sample Name: I3272-07      Acquired: 5/23/2017 19:23:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2710425 | -.044729 | 4.233057 | -.086004 | .0113333 | 89.42679 | 5.008530 |
| Stddev | .0028086 | .002548  | .006323  | .003354  | .0007690 | .42292   | .027470  |
| %RSD   | 1.036206 | 5.697026 | .1493822 | 3.900258 | 6.785547 | .4729231 | .5484703 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2682266 | -.042241 | 4.233336 | -.082847 | .0107578 | 89.88963 | 5.039653 |
| #2 | .2738436 | -.047334 | 4.226599 | -.089526 | .0110353 | 89.33027 | 4.998270 |
| #3 | .2710572 | -.044611 | 4.239237 | -.085639 | .0122067 | 89.06047 | 4.987666 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0146066 | .0393717 | 120.5897 | .2668044 | .1528806 | .8741561 | 367.8674 |
| Stddev | .0001568 | .0003324 | .3511    | .0023952 | .0005331 | .0080889 | 1.9740   |
| %RSD   | 1.073825 | .8441992 | .2911224 | .8977501 | .3487226 | .9253426 | .5365929 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0147645 | .0397126 | 120.8119 | .2644077 | .1532203 | .8834789 | 369.6577 |
| #2 | .0146046 | .0390486 | 120.7723 | .2668074 | .1522661 | .8699900 | 368.1940 |
| #3 | .0144508 | .0393540 | 120.1850 | .2691981 | .1531554 | .8689995 | 365.7506 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.73929 | 17.07651 | .1541946 | -.009644 | 2.925067 | .3443143 | 6.106737 |
| Stddev | .11182   | .08969   | .0015456 | .000704  | .049312  | .0042286 | .027428  |
| %RSD   | .5391929 | .5252211 | 1.002363 | 7.303189 | 1.685834 | 1.228123 | .4491473 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.79264 | 17.17893 | .1536437 | -.008831 | 2.952629 | .3395314 | 6.078522 |
| #2 | 20.81445 | 17.03859 | .1530000 | -.010023 | 2.954435 | .3475564 | 6.133304 |
| #3 | 20.61078 | 17.01202 | .1559402 | -.010077 | 2.868136 | .3458552 | 6.108384 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.29428 | 29.44376 | -1.03992 | .0167090 | 27.17142 | 2.743321 | .5437738 |
| Stddev | .10877   | .07937   | .00732   | .0002629 | .08409   | .006314  | .0032563 |
| %RSD   | 1.056569 | .2695713 | .7041092 | 1.573660 | .3094683 | .2301537 | .5988402 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.40157 | 29.51339 | -1.04661 | .0169635 | 27.16671 | 2.750471 | .5475176 |
| #2 | 10.29716 | 29.35734 | -1.04106 | .0167253 | 27.08978 | 2.740979 | .5415995 |
| #3 | 10.18410 | 29.46056 | -1.03210 | .0164383 | 27.25776 | 2.738512 | .5422042 |

Sample Name: I3272-07      Acquired: 5/23/2017 19:23:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.059020 | .1205333 | .8566240 |
| Stddev | .006169  | .0008148 | .0050015 |
| %RSD   | .5825013 | .6759971 | .5838636 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.058618 | .1210548 | .8612336 |
| #2 | 1.065380 | .1209508 | .8573322 |
| #3 | 1.053063 | .1195944 | .8513061 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1705.116 | 2458.761 | 62065.90 | 6249.139 | 3181.848 |
| Stddev    | 7.142    | 6.247    | 75.50    | 44.884   | 9.277    |
| %RSD      | .4188510 | .2540832 | .1216467 | .7182380 | .2915697 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1697.476 | 2454.617 | 62064.42 | 6201.286 | 3171.172 |
| #2 | 1706.246 | 2455.719 | 61991.14 | 6255.827 | 3186.419 |
| #3 | 1711.625 | 2465.947 | 62142.13 | 6290.303 | 3187.952 |

Sample Name: I3272-08      Acquired: 5/23/2017 19:27:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC84      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1170854 | -.068726 | .1998164 | -.154894 | .0140456 | 97.60221 | .2403249 |
| Stddev | .0014707 | .003438  | .0013431 | .001915  | .0009815 | .22238   | .0007694 |
| %RSD   | 1.256055 | 5.003116 | .6721519 | 1.236510 | 6.987760 | .2278474 | .3201306 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1184744 | -.067263 | .2007205 | -.155872 | .0140981 | 97.36664 | .2403881 |
| #2 | .1155449 | -.066260 | .1982731 | -.152687 | .0149998 | 97.63148 | .2395259 |
| #3 | .1172371 | -.072653 | .2004556 | -.156123 | .0130390 | 97.80851 | .2410607 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0208459 | .0338246 | 22.71896 | .5959371 | .1690738 | .1589522 | 689.5020 |
| Stddev | .0001846 | .0000147 | .02719   | .0013490 | .0006859 | .0004450 | 3.8883   |
| %RSD   | .8857229 | .0433720 | .1196978 | .2263645 | .4057133 | .2799657 | .5639222 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0210340 | .0338080 | 22.72234 | .5970823 | .1682830 | .1585309 | 685.1232 |
| #2 | .0208387 | .0338357 | 22.74431 | .5944501 | .1695077 | .1589082 | 692.5505 |
| #3 | .0206649 | .0338302 | 22.69024 | .5962790 | .1694307 | .1594176 | 690.8324 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.124687 | 7.491018 | .0551970 | -.027288 | 2.845053 | .9857898 | .1910331 |
| Stddev | .027278  | .046388  | .0001756 | .000819  | .195775  | .0075324 | .0115185 |
| %RSD   | .5322830 | .6192530 | .3181743 | 3.000384 | 6.881236 | .7640968 | 6.029579 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.093190 | 7.440273 | .0552141 | -.028073 | 2.812579 | .9771127 | .2001449 |
| #2 | 5.140573 | 7.531244 | .0553635 | -.026439 | 2.667545 | .9896108 | .1948681 |
| #3 | 5.140299 | 7.501536 | .0550135 | -.027352 | 3.055034 | .9906459 | .1780863 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7462893 | 5.805745 | -2.03712 | -.001197 | 2.067497 | 3.960923 | .0166133 |
| Stddev | .0037555 | .017951  | .00655   | .000095  | .014306  | .016671  | .0010009 |
| %RSD   | .5032304 | .3091927 | .3215315 | 7.959672 | .6919689 | .4208875 | 6.024749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7453206 | 5.799698 | -2.02993 | -.001119 | 2.053779 | 3.975804 | .0176198 |
| #2 | .7504343 | 5.791598 | -2.03869 | -.001170 | 2.082327 | 3.964059 | .0156181 |
| #3 | .7431130 | 5.825938 | -2.04274 | -.001304 | 2.066386 | 3.942907 | .0166020 |

Sample Name: I3272-08      Acquired: 5/23/2017 19:27:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC84      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3847727 | .0146699 | .0697988 |
| Stddev | .0034642 | .0006079 | .0003683 |
| %RSD   | .9003195 | 4.143797 | .5276454 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3807854 | .0146428 | .0697502 |
| #2 | .3864886 | .0152909 | .0694572 |
| #3 | .3870440 | .0140761 | .0701889 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1869.315 | 2668.049 | 65359.26 | 6455.486 | 3303.933 |
| Stddev    | 11.128   | 5.806    | 305.95   | 15.669   | 3.162    |
| %RSD      | .5952728 | .2175997 | .4681019 | .2427266 | .0956966 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1859.774 | 2661.942 | 65147.10 | 6473.262 | 3303.550 |
| #2 | 1866.632 | 2668.708 | 65220.70 | 6449.521 | 3300.980 |
| #3 | 1881.538 | 2673.497 | 65709.97 | 6443.675 | 3307.268 |

Sample Name: I3272-09      Acquired: 5/23/2017 19:31:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1217641 | -.030138 | 1.411344 | -.070597 | .0106051 | 69.56740 | 1.351982 |
| Stddev | .0038425 | .000565  | .011437  | .001155  | .0028549 | .33151   | .009556  |
| %RSD   | 3.155679 | 1.875710 | .8103454 | 1.635651 | 26.91992 | .4765286 | .7067986 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1188706 | -.030772 | 1.401102 | -.071905 | .0095656 | 69.82283 | 1.356007 |
| #2 | .1261238 | -.029956 | 1.409246 | -.069717 | .0084156 | 69.19277 | 1.341072 |
| #3 | .1202978 | -.029686 | 1.423685 | -.070171 | .0138341 | 69.68659 | 1.358866 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087075 | .0240734 | 50.30407 | .2911787 | .0819998 | .4853944 | 315.0195 |
| Stddev | .0000421 | .0002155 | .40127   | .0017857 | .0006062 | .0041303 | 2.4845   |
| %RSD   | .4839493 | .8952831 | .7976856 | .6132713 | .7392994 | .8509064 | .7886658 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0086777 | .0241236 | 50.68937 | .2909507 | .0821796 | .4898636 | 316.9923 |
| #2 | .0086889 | .0238372 | 49.88854 | .2930674 | .0813240 | .4817180 | 312.2294 |
| #3 | .0087557 | .0242594 | 50.33430 | .2895179 | .0824958 | .4846018 | 315.8368 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.35857 | 8.531328 | .0991943 | -.009739 | 1.757217 | .4539305 | 3.510278 |
| Stddev | .09546   | .057310  | .0003525 | .000284  | .115405  | .0059745 | .018545  |
| %RSD   | .7724498 | .6717590 | .3553389 | 2.917336 | 6.567466 | 1.316162 | .5282982 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.44657 | 8.597286 | .0988176 | -.009496 | 1.887549 | .4608293 | 3.508460 |
| #2 | 12.25708 | 8.493706 | .0995161 | -.010052 | 1.716103 | .4504916 | 3.529665 |
| #3 | 12.37206 | 8.502992 | .0992493 | -.009670 | 1.667999 | .4504709 | 3.492709 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.182976 | 10.05100 | -.920313 | .0084269 | 15.63007 | 3.954916 | .1062002 |
| Stddev | .066429  | .04201   | .009669  | .0002021 | .06456   | .051006  | .0012255 |
| %RSD   | .9248178 | .4179584 | 1.050604 | 2.397974 | .4130785 | 1.289696 | 1.153935 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.208870 | 10.01531 | -.930970 | .0081983 | 15.58316 | 4.010749 | .1054034 |
| #2 | 7.107499 | 10.04040 | -.912101 | .0085818 | 15.60334 | 3.910762 | .1055859 |
| #3 | 7.232559 | 10.09730 | -.917868 | .0085007 | 15.70371 | 3.943237 | .1076113 |



Sample Name: I3272-09      Acquired: 5/23/2017 19:31:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8198671 | .0447173 | .1970503 |
| Stddev | .0034012 | .0004875 | .0017322 |
| %RSD   | .4148516 | 1.090249 | .8790730 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8226963 | .0448394 | .1984583 |
| #2 | .8160935 | .0441804 | .1951160 |
| #3 | .8208116 | .0451322 | .1975766 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1684.209 | 2409.198 | 60543.16 | 6035.733 | 3364.417 |
| Stddev    | 7.884    | 1.635    | 190.23   | 52.496   | 11.896   |
| %RSD      | .4681345 | .0678791 | .3142033 | .8697472 | .3535687 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1676.604 | 2410.725 | 60323.60 | 5981.287 | 3364.898 |
| #2 | 1692.346 | 2409.395 | 60658.46 | 6086.033 | 3376.064 |
| #3 | 1683.676 | 2407.472 | 60647.42 | 6039.880 | 3352.288 |

Sample Name: I3272-10      Acquired: 5/23/2017 19:35:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2521208 | -.155618 | 5.969146 | -.285417 | .0126996 | 121.4538 |
| Stddev | .0039425 | .003588  | .012773  | .009527  | .0020425 | .1848    |
| %RSD   | 1.563720 | 2.305702 | .2139801 | 3.337840 | 16.08337 | .1521280 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2498594 | -.154769 | 5.954428 | -.282997 | .0131396 | 121.3010 |
| #2 | .2498299 | -.152531 | 5.975687 | -.277334 | .0144863 | 121.6592 |
| #3 | .2566732 | -.159555 | 5.977323 | -.295921 | .0104729 | 121.4013 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.340665 | .0238761 | .1076860 | 171.8740 | .5040898 | .2076581 |
| Stddev | .008035  | .0002039 | .0007508 | .4403    | .0030226 | .0006576 |
| %RSD   | .2405190 | .8540528 | .6971858 | .2561668 | .5996070 | .3166542 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.334623 | .0236552 | .1071706 | 172.3555 | .5060185 | .2077561 |
| #2 | 3.349783 | .0240571 | .1085474 | 171.4920 | .5056447 | .2082612 |
| #3 | 3.337588 | .0239158 | .1073400 | 171.7746 | .5006064 | .2069571 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.763678 | F 1118.982 | 20.39757 | 18.73143 | .5920142 | -.040757 |
| Stddev | .002907  | 4.792      | .05885   | .05018   | .0015570 | .000508  |
| %RSD   | .1648131 | .4282643   | .2885238 | .2678837 | .2630035 | 1.246545 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.765085 | 1124.230 | 20.46212 | 18.69580 | .5904694 | -.041261 |
| #2 | 1.765614 | 1117.877 | 20.38369 | 18.78882 | .5935832 | -.040245 |
| #3 | 1.760336 | 1114.839 | 20.34689 | 18.70969 | .5919900 | -.040767 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 7.839790 | .4850801 | 10.82615 | 12.20839 | 14.24028 | ^ ***** |
| Stddev | .249744  | .0027111 | .07177   | .04920   | .01174   | -----   |
| %RSD   | 3.185600 | .5589061 | .6629267 | .4030166 | .0824520 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 7.558947 | .4842520 | 10.82190 | 12.23166 | 14.22986 | ^ ----- |
| #2 | 8.036936 | .4828796 | 10.75660 | 12.24165 | 14.23798 | ^ ----- |
| #3 | 7.923487 | .4881087 | 10.89995 | 12.15187 | 14.25300 | ^ ----- |

Sample Name: I3272-10      Acquired: 5/23/2017 19:35:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC86      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0363934 | 32.31203 | 5.601974 | 2.318798 | 1.972170 | .1311819 |
| Stddev | .0003913 | .12137   | .026033  | .009570  | .000352  | .0018779 |
| %RSD   | 1.075108 | .3756283 | .4647200 | .4127216 | .0178664 | 1.431512 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0364382 | 32.17205 | 5.617397 | 2.308228 | 1.972325 | .1296265 |
| #2 | .0359817 | 32.38800 | 5.616610 | 2.326875 | 1.972418 | .1332681 |
| #3 | .0367604 | 32.37604 | 5.571917 | 2.321291 | 1.971767 | .1306514 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .5975569 |
| Stddev | .0003443 |
| %RSD   | .0576121 |

|    |          |
|----|----------|
| #1 | .5974705 |
| #2 | .5979361 |
| #3 | .5972640 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1661.925 | 2386.021 | 61207.83 | 6209.043 | 2879.410 |
| Stddev    | 9.960    | 4.558    | 180.59   | 25.066   | 1.863    |
| %RSD      | .5993211 | .1910216 | .2950385 | .4036990 | .0646989 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1657.141 | 2381.069 | 61016.92 | 6182.473 | 2879.828 |
| #2 | 1673.375 | 2390.041 | 61230.65 | 6212.387 | 2877.374 |
| #3 | 1655.260 | 2386.951 | 61375.92 | 6232.269 | 2881.029 |

Sample Name: I3272-11      Acquired: 5/23/2017 19:39:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC97      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1621176 | -.074892 | 6.654606 | -.140546 | -.000102 | 108.0386 | 4.334327 |
| Stddev | .0072552 | .002425  | .015756  | .002548  | .001370  | .6740    | .025245  |
| %RSD   | 4.475261 | 3.238341 | .2367739 | 1.812929 | 1341.903 | .6238177 | .5824409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1646029 | -.074349 | 6.652608 | -.138823 | -.001555 | 108.6971 | 4.360000 |
| #2 | .1539463 | -.072784 | 6.639944 | -.143473 | .000083  | 108.0684 | 4.333446 |
| #3 | .1678035 | -.077543 | 6.671266 | -.139342 | .001166  | 107.3502 | 4.309534 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0187195 | .0715945 | 207.9888 | .3995262 | .1570028 | 2.369390 | 563.9695 |
| Stddev | .0001295 | .0004237 | 1.1103   | .0006651 | .0009171 | .016174  | 4.7243   |
| %RSD   | .6917342 | .5918375 | .5338365 | .1664854 | .5841490 | .6826186 | .8376899 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0188141 | .0712037 | 208.5771 | .4001054 | .1571146 | 2.385060 | 568.0063 |
| #2 | .0185719 | .0715349 | 208.6812 | .3996734 | .1560349 | 2.370356 | 565.1287 |
| #3 | .0187726 | .0720448 | 206.7081 | .3987997 | .1578589 | 2.352755 | 558.7734 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.71403 | 44.15609 | .1779482 | -.017829 | 6.163792 | .4178782 | 18.08190 |
| Stddev | .20080   | .41532   | .0005461 | .000047  | .032022  | .0084941 | .12317   |
| %RSD   | 1.018553 | .9405638 | .3068763 | .2655063 | .5195163 | 2.032666 | .6811962 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.90436 | 44.59093 | .1780085 | -.017861 | 6.134244 | .4167505 | 17.97375 |
| #2 | 19.73353 | 44.11379 | .1784617 | -.017852 | 6.159317 | .4268797 | 18.21597 |
| #3 | 19.50419 | 43.76354 | .1773745 | -.017775 | 6.197817 | .4100043 | 18.05597 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.67886 | 16.91600 | -1.61424 | .0118250 | 39.54863 | 5.862170 | 2.736699 |
| Stddev | .10298   | .05469   | .01171   | .0005499 | .09085   | .050620  | .007926  |
| %RSD   | .8817591 | .3233297 | .7254396 | 4.650365 | .2297215 | .8635078 | .2896229 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.79698 | 16.89069 | -1.62665 | .0112330 | 39.51527 | 5.902453 | 2.729865 |
| #2 | 11.63163 | 16.87854 | -1.61267 | .0123198 | 39.47916 | 5.878708 | 2.734843 |
| #3 | 11.60796 | 16.97876 | -1.60339 | .0119222 | 39.65144 | 5.805349 | 2.745388 |

Sample Name: I3272-11      Acquired: 5/23/2017 19:39:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC97      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.483803 | .1191079 | .5415423 |
| Stddev | .011104  | .0012306 | .0041745 |
| %RSD   | .7483708 | 1.033206 | .7708593 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.496143 | .1203374 | .5457207 |
| #2 | 1.480650 | .1191103 | .5415346 |
| #3 | 1.474616 | .1178761 | .5373717 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1670.783 | 2403.244 | 61400.57 | 6209.240 | 2969.385 |
| Stddev    | 3.807    | 5.180    | 83.34    | 57.857   | 5.378    |
| %RSD      | .2278819 | .2155399 | .1357300 | .9317946 | .1811315 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1671.047 | 2401.925 | 61309.94 | 6148.043 | 2975.596 |
| #2 | 1666.850 | 2398.851 | 61417.87 | 6216.627 | 2966.308 |
| #3 | 1674.451 | 2408.956 | 61473.90 | 6263.049 | 2966.252 |

Sample Name: I3272-12      Acquired: 5/23/2017 19:43:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1972602 | -.138500 | 5.438435 | -.278497 | -.062355 | 107.5135 |
| Stddev | .0068622 | .003010  | .025835  | .001933  | .000841  | .5615    |
| %RSD   | 3.478748 | 2.173395 | .4750487 | .6940785 | 1.348911 | .5222856 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2030277 | -.141053 | 5.410519 | -.280247 | -.062438 | 108.0716 |
| #2 | .1896710 | -.139265 | 5.443282 | -.276422 | -.061476 | 107.5205 |
| #3 | .1990820 | -.135181 | 5.461503 | -.278822 | -.063152 | 106.9486 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.663351 | .0194408 | .0696644 | 46.03555 | .5840571 | .1479475 |
| Stddev | .010144  | .0001355 | .0006142 | .10148   | .0019739 | .0007948 |
| %RSD   | .3808592 | .6970788 | .8817120 | .2204332 | .3379542 | .5371978 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.673198 | .0192867 | .0696884 | 46.00615 | .5846239 | .1474026 |
| #2 | 2.663921 | .0195414 | .0690385 | 46.14848 | .5818619 | .1475806 |
| #3 | 2.652934 | .0194944 | .0702663 | 45.95202 | .5856856 | .1488595 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.394907 | F 1204.482 | 11.08892 | 6.003283 | .1159105 | -.040273 |
| Stddev | .006298  | 3.730      | .04352   | .062970  | .0006963 | .000518  |
| %RSD   | .4514740 | .3096386   | .3924529 | 1.048930 | .6007484 | 1.285979 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.399332 | 1205.257 | 11.10474 | 5.931048 | .1162880 | -.040744 |
| #2 | 1.397692 | 1207.762 | 11.12232 | 6.046604 | .1151069 | -.039719 |
| #3 | 1.387697 | 1200.425 | 11.03971 | 6.032196 | .1163366 | -.040357 |

|        |          |          |          |          |          |         |
|--------|----------|----------|----------|----------|----------|---------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496  |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     |
| Avg    | 5.830457 | .7508339 | 4.899851 | 4.771770 | 16.47194 | ^ ***** |
| Stddev | .160399  | .0044244 | .017724  | .031987  | .04049   | -----   |
| %RSD   | 2.751048 | .5892593 | .3617256 | .6703385 | .2457847 | -----   |

|    |          |          |          |          |          |         |
|----|----------|----------|----------|----------|----------|---------|
| #1 | 5.648285 | .7559414 | 4.889626 | 4.808467 | 16.42617 | ^ ----- |
| #2 | 5.950488 | .7481791 | 4.889609 | 4.749794 | 16.48657 | ^ ----- |
| #3 | 5.892598 | .7483812 | 4.920317 | 4.757050 | 16.50307 | ^ ----- |

Sample Name: I3272-12      Acquired: 5/23/2017 19:43:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097217 | 14.38809 | 4.335302 | 7.915478 | 1.058102 | .0859446 |
| Stddev | .0003288 | .02897   | .012963  | .027180  | .005709  | .0008565 |
| %RSD   | 3.382447 | .2013588 | .2989998 | .3433733 | .5395895 | .9965515 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0099781 | 14.38724 | 4.329167 | 7.888625 | 1.055572 | .0868669 |
| #2 | .0098359 | 14.35955 | 4.350193 | 7.914835 | 1.064639 | .0857924 |
| #3 | .0093510 | 14.41748 | 4.326546 | 7.942973 | 1.054095 | .0851744 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3238407 |
| Stddev | .0005405 |
| %RSD   | .1669149 |

|    |          |
|----|----------|
| #1 | .3244593 |
| #2 | .3236033 |
| #3 | .3234594 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1638.797 | 2365.175 | 59678.94 | 5924.001 | 3097.323 |
| Stddev    | 12.692   | 5.939    | 229.79   | 35.832   | 5.156    |
| %RSD      | .7744804 | .2510901 | .3850508 | .6048553 | .1664634 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1625.674 | 2359.654 | 59413.80 | 5884.878 | 3095.838 |
| #2 | 1651.009 | 2371.458 | 59802.47 | 5931.903 | 3103.059 |
| #3 | 1639.709 | 2364.414 | 59820.55 | 5955.222 | 3093.073 |

Sample Name: I3272-13      Acquired: 5/23/2017 19:51:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAC99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1212904 | -.045860 | .5432371 | -.112882 | .0123167 | 71.56238 | .6908503 |
| Stddev | .0041100 | .002862  | .0045219 | .007044  | .0002698 | .07870   | .0016425 |
| %RSD   | 3.388541 | 6.241676 | .8323978 | 6.240199 | 2.190492 | .1099733 | .2377550 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1197228 | -.048837 | .5439193 | -.118000 | .0125196 | 71.63209 | .6912046 |
| #2 | .1181949 | -.045615 | .5384129 | -.115797 | .0120105 | 71.57801 | .6922869 |
| #3 | .1259535 | -.043128 | .5473791 | -.104848 | .0124200 | 71.47704 | .6890596 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0137457 | .0217760 | 16.97305 | .6761877 | .1292137 | .1755124 | 510.1076 |
| Stddev | .0000383 | .0000232 | .06056   | .0025543 | .0007206 | .0007147 | 1.2619   |
| %RSD   | .2786934 | .1063275 | .3567853 | .3777541 | .5577091 | .4071770 | .2473714 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0137823 | .0217859 | 17.04194 | .6762280 | .1293465 | .1757934 | 511.5295 |
| #2 | .0137059 | .0217495 | 16.94896 | .6787216 | .1284358 | .1760439 | 509.6722 |
| #3 | .0137490 | .0217925 | 16.92825 | .6736134 | .1298586 | .1747000 | 509.1210 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.688820 | 3.317533 | .0446857 | -.020641 | 2.222183 | .7469770 | .5082349 |
| Stddev | .015281  | .049570  | .0010490 | .000516  | .015916  | .0031908 | .0016257 |
| %RSD   | .2284580 | 1.494180 | 2.347561 | 2.500197 | .7162382 | .4271546 | .3198793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.705041 | 3.277758 | .0443503 | -.020069 | 2.235601 | .7498032 | .5099884 |
| #2 | 6.674695 | 3.301775 | .0438453 | -.021071 | 2.204598 | .7435169 | .5067776 |
| #3 | 6.686724 | 3.373066 | .0458613 | -.020784 | 2.226350 | .7476111 | .5079387 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7635948 | 3.352844 | -1.50325 | .0039341 | 5.150364 | 4.291319 | .0381255 |
| Stddev | .0147582 | .023649  | .00097   | .0002607 | .027422  | .053270  | .0008897 |
| %RSD   | 1.932732 | .7053288 | .0644741 | 6.627030 | .5324305 | 1.241350 | 2.333668 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7584333 | 3.369435 | -1.50312 | .0036336 | 5.180719 | 4.234498 | .0373029 |
| #2 | .7521105 | 3.325765 | -1.50236 | .0040694 | 5.127384 | 4.299327 | .0390698 |
| #3 | .7802405 | 3.363332 | -1.50429 | .0040993 | 5.142989 | 4.340132 | .0380039 |



Sample Name: I3272-13      Acquired: 5/23/2017 19:51:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAC99      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7060053 | .0223008 | .0937986 |
| Stddev | .0046849 | .0007949 | .0002314 |
| %RSD   | .6635756 | 3.564350 | .2466726 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7113709 | .0231657 | .0939992 |
| #2 | .7027258 | .0216023 | .0938511 |
| #3 | .7039191 | .0221343 | .0935455 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1749.004 | 2520.474 | 61739.67 | 6058.198 | 3447.984 |
| Stddev    | 2.000    | 16.069   | 155.57   | 15.034   | 7.937    |
| %RSD      | .1143294 | .6375395 | .2519775 | .2481606 | .2302035 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1749.476 | 2514.898 | 61621.88 | 6046.912 | 3439.532 |
| #2 | 1750.725 | 2507.936 | 61681.10 | 6052.418 | 3449.141 |
| #3 | 1746.810 | 2538.588 | 61916.02 | 6075.264 | 3455.280 |

Sample Name: I3272-14      Acquired: 5/23/2017 19:55:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1195956 | -.053783 | .1603004 | -.148876 | .0134644 | 100.0968 | .6149016 |
| Stddev | .0026550 | .001156  | .0019006 | .003166  | .0007939 | .1582    | .0020386 |
| %RSD   | 2.219996 | 2.148867 | 1.185664 | 2.126325 | 5.895937 | .1580827 | .3315255 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1166408 | -.052543 | .1603093 | -.150090 | .0127510 | 99.9227  | .6133515 |
| #2 | .1217807 | -.053976 | .1621966 | -.151255 | .0133227 | 100.2318 | .6172108 |
| #3 | .1203653 | -.054831 | .1583954 | -.145283 | .0143196 | 100.1360 | .6141423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0142549 | .0257878 | 13.13622 | .8180125 | .1253651 | .2090787 | 639.7596 |
| Stddev | .0001353 | .0001218 | .18335   | .0036640 | .0005643 | .0024589 | 2.9219   |
| %RSD   | .9494278 | .4722187 | 1.395734 | .4479111 | .4501571 | 1.176078 | .4567149 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0141674 | .0256942 | 13.33770 | .8142515 | .1258685 | .2063886 | 642.8446 |
| #2 | .0141865 | .0257438 | 12.97916 | .8182152 | .1254717 | .2096370 | 637.0341 |
| #3 | .0144108 | .0259255 | 13.09181 | .8215710 | .1247551 | .2112105 | 639.4003 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.208742 | 3.222082 | .0437309 | -.025425 | 3.146934 | .9245134 | .3575446 |
| Stddev | .020146  | .030975  | .0007933 | .000458  | .099666  | .0019064 | .0237111 |
| %RSD   | .2794689 | .9613388 | 1.814137 | 1.800474 | 3.167086 | .2062027 | 6.631657 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.230851 | 3.213796 | .0432957 | -.024914 | 3.033348 | .9250056 | .3750927 |
| #2 | 7.191422 | 3.256358 | .0446466 | -.025798 | 3.187693 | .9224092 | .3669711 |
| #3 | 7.203954 | 3.196093 | .0432505 | -.025564 | 3.219760 | .9261254 | .3305698 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.300188 | 5.946029 | -1.86923 | .0032377 | 8.671877 | 4.384462 | .0232957 |
| Stddev | .012768  | .017519  | .00552   | .0000422 | .062279  | .026713  | .0009859 |
| %RSD   | .9820335 | .2946385 | .2952213 | 1.303315 | .7181759 | .6092545 | 4.232102 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.294614 | 5.947617 | -1.86942 | .0032702 | 8.691551 | 4.381696 | .0224189 |
| #2 | 1.291155 | 5.927770 | -1.87465 | .0032528 | 8.602136 | 4.412449 | .0231052 |
| #3 | 1.314796 | 5.962701 | -1.86362 | .0031900 | 8.721943 | 4.359239 | .0243629 |

Sample Name: I3272-14      Acquired: 5/23/2017 19:55:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDACA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8444230 | .0170212 | .0265028 |
| Stddev | .0113913 | .0004354 | .0001105 |
| %RSD   | 1.349009 | 2.558077 | .4167687 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8328448 | .0172396 | .0264178 |
| #2 | .8556177 | .0165198 | .0264630 |
| #3 | .8448066 | .0173042 | .0266277 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1689.213 | 2405.728 | 59540.14 | 5882.774 | 3359.597 |
| Stddev    | 9.105    | 9.488    | 251.49   | 23.105   | 14.569   |
| %RSD      | .5390242 | .3943716 | .4223933 | .3927541 | .4336476 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1684.918 | 2403.743 | 59488.15 | 5858.869 | 3352.936 |
| #2 | 1699.671 | 2416.051 | 59813.56 | 5884.466 | 3376.306 |
| #3 | 1683.049 | 2397.390 | 59318.70 | 5904.986 | 3349.550 |

Sample Name: I3251-01A      Acquired: 5/23/2017 20:02:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0450335 | -.019011 | .3345002 | .0406628 | .0022832 | 71.64671 | .2415214 |
| Stddev | .0018585 | .001310  | .0017699 | .0022618 | .0014509 | .15782   | .0018566 |
| %RSD   | 4.126828 | 6.892990 | .5291175 | 5.562298 | 63.54739 | .2202704 | .7686987 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0471743 | -.019721 | .3343982 | .0383088 | .0016357 | 71.73280 | .2434950 |
| #2 | .0440921 | -.019813 | .3363189 | .0428195 | .0039451 | 71.74276 | .2412595 |
| #3 | .0438341 | -.017499 | .3327835 | .0408602 | .0012687 | 71.46457 | .2398097 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047499 | .0072954 | 41.37753 | .1110084 | .0296048 | .1361903 | 184.9148 |
| Stddev | .0001596 | .0002638 | .17999   | .0000415 | .0001983 | .0005003 | .6424    |
| %RSD   | 3.359239 | 3.615421 | .4349933 | .0373892 | .6699250 | .3673495 | .3473999 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0049254 | .0075897 | 41.18398 | .1109702 | .0295930 | .1365806 | 184.1962 |
| #2 | .0047106 | .0072163 | 41.53987 | .1110025 | .0298088 | .1356263 | 185.4334 |
| #3 | .0046136 | .0070803 | 41.40874 | .1110526 | .0294127 | .1363641 | 185.1147 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.498131 | 9.328321 | .0428211 | -.007010 | 1.346038 | .1975691 | .2143349 |
| Stddev | .007643  | .062148  | .0004930 | .000295  | .076018  | .0029839 | .0109761 |
| %RSD   | .5101924 | .6662308 | 1.151204 | 4.205594 | 5.647529 | 1.510296 | 5.120989 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.496465 | 9.333318 | .0425208 | -.006902 | 1.395082 | .1953080 | .2224402 |
| #2 | 1.506470 | 9.387820 | .0425524 | -.007343 | 1.384562 | .1964481 | .2018441 |
| #3 | 1.491459 | 9.263825 | .0433900 | -.006784 | 1.258471 | .2009511 | .2187203 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.424145 | 3.126777 | -.517283 | .0023630 | 8.943625 | 4.140381 | .0098419 |
| Stddev | .009933  | .012255  | .001557  | .0002716 | .026848  | .011592  | .0005035 |
| %RSD   | .1546228 | .3919367 | .3010233 | 11.49518 | .3001859 | .2799751 | 5.115329 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.420902 | 3.114854 | -.515490 | .0020577 | 8.913624 | 4.126997 | .0095891 |
| #2 | 6.435295 | 3.126139 | -.518298 | .0024532 | 8.951862 | 4.146888 | .0104217 |
| #3 | 6.416240 | 3.139339 | -.518061 | .0025780 | 8.965389 | 4.147257 | .0095150 |

Sample Name: I3251-01A      Acquired: 5/23/2017 20:02:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5688729 | .0549202 | .0878925 |
| Stddev | .0020333 | .0012469 | .0003109 |
| %RSD   | .3574251 | 2.270445 | .3537277 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5705324 | .0562854 | .0881593 |
| #2 | .5694814 | .0546340 | .0879671 |
| #3 | .5666048 | .0538413 | .0875511 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1676.716 | 2417.212 | 59308.71 | 5834.859 | 3478.183 |
| Stddev    | 4.895    | 1.324    | 50.31    | 24.430   | 3.905    |
| %RSD      | .2919243 | .0547559 | .0848258 | .4186881 | .1122781 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1682.255 | 2418.697 | 59286.05 | 5838.229 | 3482.130 |
| #2 | 1674.920 | 2416.158 | 59273.72 | 5808.920 | 3474.321 |
| #3 | 1672.973 | 2416.781 | 59366.36 | 5857.430 | 3478.099 |

Sample Name: CCV038      Acquired: 5/23/2017 20:07:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV038      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.834703 | 4.617545 | 23.12811 | 4.747508 | 4.886225 | 399.1540 |
| Stddev | .025627  | .004659  | .02947   | .024076  | .014983  | 1.4000   |
| %RSD   | .5300634 | .1008874 | .1274405 | .5071391 | .3066439 | .3507482 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.836498 | 4.622924 | 23.09696 | 4.740601 | 4.884309 | 400.7200 |
| #2 | 4.808226 | 4.614869 | 23.13182 | 4.727640 | 4.872292 | 398.7185 |
| #3 | 4.859386 | 4.614841 | 23.15556 | 4.774283 | 4.902074 | 398.0234 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.03734 | .5084756 | 2.356114 | 381.3319 | 14.26133 | 2.395531 |
| Stddev | .03612   | .0033682 | .002976  | .8601    | .09573   | .006630  |
| %RSD   | .3598347 | .6624190 | .1263126 | .2255391 | .6712570 | .2767587 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.07886 | .5097638 | 2.354147 | 380.4779 | 14.30877 | 2.395952 |
| #2 | 10.01316 | .5110095 | 2.354658 | 381.3198 | 14.32407 | 2.388701 |
| #3 | 10.02000 | .5046533 | 2.359538 | 382.1979 | 14.15114 | 2.401940 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.99578 | 382.1165 | 14.23757 | 395.9621 | 2.334532 | 1.195427 |
| Stddev | .05077   | .2851    | .04696   | .5686    | .005540  | .004833  |
| %RSD   | .3385880 | .0746068 | .3298295 | .1435962 | .2373132 | .4043020 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.05171 | 381.8341 | 14.19586 | 396.0274 | 2.329162 | 1.198413 |
| #2 | 14.98305 | 382.1113 | 14.28843 | 396.4952 | 2.334205 | 1.198017 |
| #3 | 14.95258 | 382.4042 | 14.22840 | 395.3636 | 2.340228 | 1.189851 |

|        |          |          |            |          |          |            |
|--------|----------|----------|------------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm        |
| Avg    | 405.2049 | 2.372300 | F 13.22106 | 157.2861 | 5.189300 | F 4.253491 |
| Stddev | 1.6244   | .010563  | .01505     | .2546    | .001967  | .025638    |
| %RSD   | .4008821 | .4452717 | .1138080   | .1618745 | .0379009 | .6027568   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 407.0792 | 2.363640 | 13.23832 | 157.5743 | 5.188791 | 4.255431 |
| #2 | 404.3301 | 2.369191 | 13.21070 | 157.1923 | 5.191471 | 4.278104 |
| #3 | 404.2054 | 2.384069 | 13.21415 | 157.0917 | 5.187637 | 4.226938 |

Sample Name: CCV038      Acquired: 5/23/2017 20:07:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV038      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.715686 | 4.715766 | 5.072489 | 4.713674 | 4.912217 | 5.202178 |
| Stddev | .012301  | .029990  | .034045  | .004967  | .009898  | .033477  |
| %RSD   | .2608524 | .6359548 | .6711720 | .1053780 | .2014918 | .6435244 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.706737 | 4.747327 | 5.087876 | 4.707958 | 4.916345 | 5.240594 |
| #2 | 4.710607 | 4.687643 | 5.096124 | 4.716113 | 4.900924 | 5.186697 |
| #3 | 4.729713 | 4.712327 | 5.033466 | 4.716949 | 4.919383 | 5.179243 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.073857 |
| Stddev | .001755  |
| %RSD   | .0345905 |

|    |          |
|----|----------|
| #1 | 5.074754 |
| #2 | 5.074981 |
| #3 | 5.071834 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1399.093 | 2005.143 | 49972.20 | 5152.419 | 2566.691 |
| Stddev    | 2.845    | 4.617    | 92.70    | 12.523   | 1.291    |
| %RSD      | .2033336 | .2302803 | .1855031 | .2430467 | .0502827 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1401.699 | 2005.549 | 49964.21 | 5150.478 | 2565.629 |
| #2 | 1396.058 | 2009.545 | 49883.75 | 5140.980 | 2568.127 |
| #3 | 1399.522 | 2000.337 | 50068.63 | 5165.799 | 2566.317 |

Sample Name: CCB038      Acquired: 5/23/2017 20:11:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB038      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001007 | -.000546 | -.000800 | .0018805 | -.001056 | .0167317 | -.003743 |
| Stddev | .002294  | .000898  | .000932  | .0009628 | .000906  | .0054913 | .000117  |
| %RSD   | 227.8344 | 164.2619 | 116.4930 | 51.19979 | 85.85027 | 32.81995 | 3.121184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003278 | -.001066 | -.001875 | .0007787 | -.001892 | .0218319 | -.003609 |
| #2 | -.001053 | .000490  | -.000282 | .0025601 | -.001183 | .0174444 | -.003827 |
| #3 | .001310  | -.001063 | -.000242 | .0023028 | -.000092 | .0109188 | -.003793 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000189 | -.000062 | -.020016 | .0004841 | .0001506 | .0015578 | -.001057 |
| Stddev | .0000272 | .000075  | .004645  | .0000336 | .0002046 | .0004413 | .015064  |
| %RSD   | 143.8903 | 122.0394 | 23.20821 | 6.937374 | 135.8110 | 28.32981 | 1424.803 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000129 | .000003  | -.018648 | .0004458 | .0001599 | .0018973 | .013481  |
| #2 | .0000487 | -.000044 | -.016208 | .0005084 | .0003504 | .0010589 | -.016596 |
| #3 | -.000005 | -.000144 | -.025192 | .0004982 | -.000058 | .0017171 | -.000057 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011222 | .0140494 | -.000088 | .0006021 | -.152279 | .0030230 | .0017490 |
| Stddev | .0002849 | .0303439 | .000312  | .0002272 | .124851  | .0027367 | .0154314 |
| %RSD   | 25.38602 | 215.9800 | 355.8247 | 37.73896 | 81.98853 | 90.53177 | 882.2973 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008317 | -.011769 | .000066  | .0008632 | -.042690 | .0043792 | .0187655 |
| #2 | .0014012 | .006445  | .000118  | .0004948 | -.125952 | -.000127 | -.011337 |
| #3 | .0011337 | .047472  | -.000446 | .0004484 | -.288194 | .004817  | -.002181 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.173060 | -.003845 | .0051103 | .0004393 | -.023466 | -.014333 | -.000329 |
| Stddev | .018090  | .000604  | .0002439 | .0001406 | .010707  | .001288  | .000808  |
| %RSD   | 10.45280 | 15.71365 | 4.772318 | 31.99659 | 45.62691 | 8.985195 | 245.7229 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.187089 | -.003865 | .0048508 | .0005745 | -.012717 | -.012846 | .000579  |
| #2 | -.179448 | -.003231 | .0051453 | .0004495 | -.034130 | -.015048 | -.000598 |
| #3 | -.152643 | -.004439 | .0053348 | .0002939 | -.023552 | -.015103 | -.000967 |



Sample Name: CCB038      Acquired: 5/23/2017 20:11:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v18)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB038      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006964 | .0002000 | .0000600 |
| Stddev | .0008588 | .0011854 | .0000353 |
| %RSD   | 123.3255 | 592.7488 | 58.81953 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0005856 | .0005787 | .0000883 |
| #2 | -.000102 | .0011498 | .0000712 |
| #3 | .001605  | -.001129 | .0000205 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1724.903 | 2530.598 | 59751.64 | 5614.983 | 4103.787 |
| Stddev    | 3.810    | 40.868   | 161.70   | 31.858   | 52.572   |
| %RSD      | .2208777 | 1.614940 | .2706128 | .5673774 | 1.281069 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1728.643 | 2484.009 | 59895.34 | 5616.040 | 4044.195 |
| #2 | 1721.027 | 2560.392 | 59783.04 | 5646.300 | 4143.603 |
| #3 | 1725.040 | 2547.394 | 59576.55 | 5582.610 | 4123.564 |