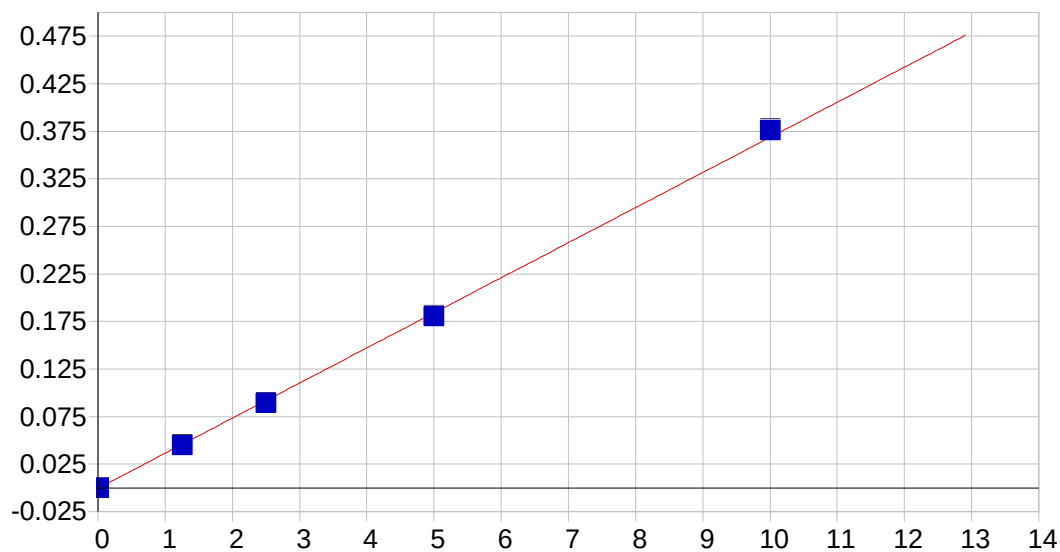


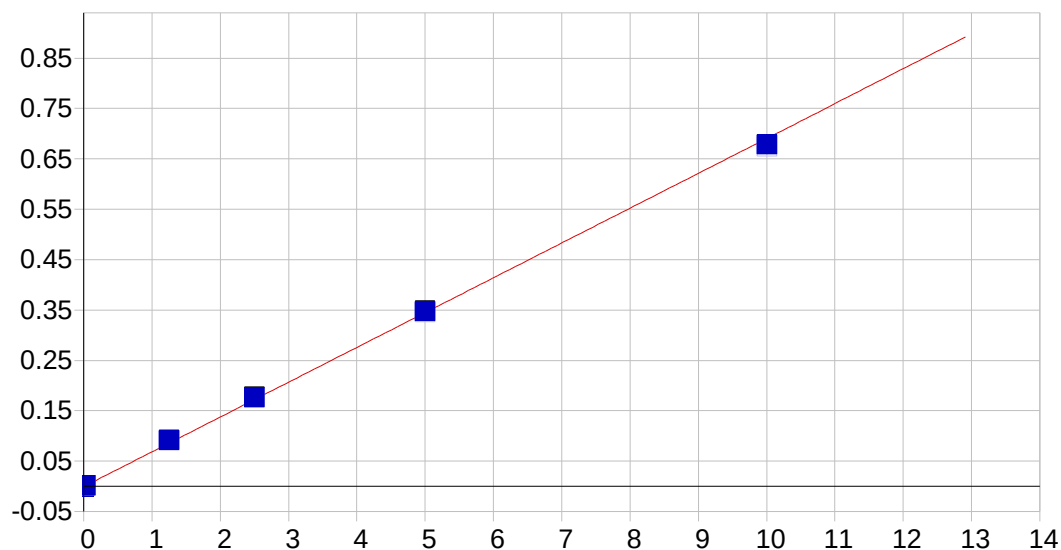


As 189.042 {479}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000431 Re-Slope: 1.000000  
 A1 (Gain): 0.036907 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999767 Status: OK.  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.004052  
 Predicted MQL: 0.013508

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00043 | .000    | 1        |
| S1        | .01000       | .01236      | .002       | 23.6    | .00003  | .000    | 1        |
| S2        | 1.2500       | 1.2286      | -.021      | -1.71   | .04509  | .000    | 1        |
| S3        | 2.5000       | 2.4247      | -.075      | -3.01   | .08941  | .000    | 1        |
| S4        | 5.0000       | 4.9019      | -.098      | -1.96   | .18119  | .000    | 1        |
| S5        | 10.000       | 10.192      | .192       | 1.92    | .37716  | .001    | 1        |

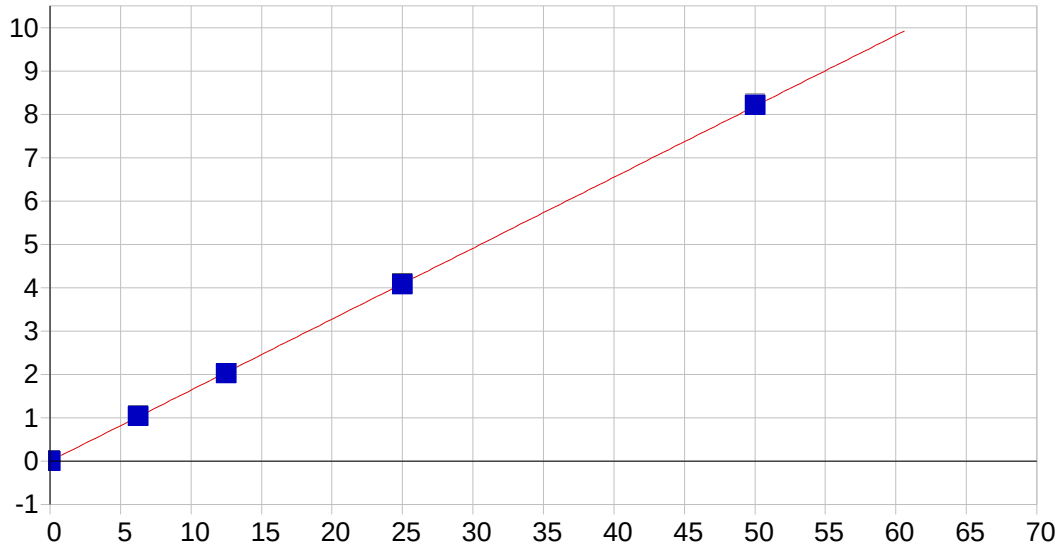


TI 190.856 {477}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000626 Re-Slope: 1.000000  
 A1 (Gain): 0.069133 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999714 Status: OK.  
 Std Error of Est: 0.000044  
 Predicted MDL: 0.002054  
 Predicted MQL: 0.006847

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00063 | .000    | 1        |
| S1        | .02500       | .02831      | .003       | 13.2    | .00131  | .000    | 1        |
| S2        | 1.2500       | 1.3286      | .079       | 6.29    | .09070  | .000    | 1        |
| S3        | 2.5000       | 2.5666      | .067       | 2.66    | .17577  | .000    | 1        |
| S4        | 5.0000       | 5.0316      | .032       | .631    | .34513  | .001    | 1        |
| S5        | 10.000       | 9.8199      | -.180      | -1.80   | .67408  | .001    | 1        |

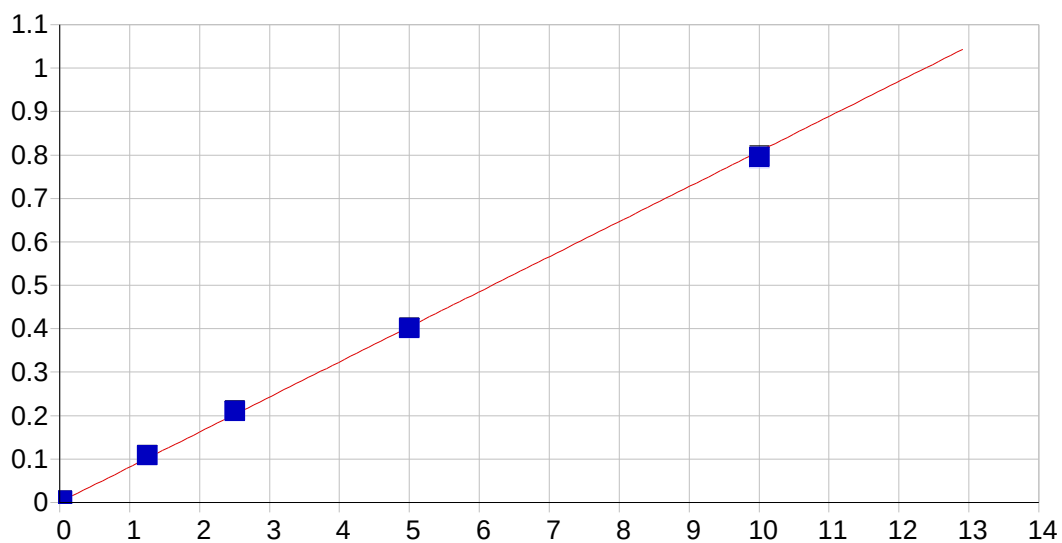


Pb 220.353 {453}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000065 Re-Slope: 1.000000  
 A1 (Gain): 0.163698 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999981 Status: OK.  
 Std Error of Est: 0.000038  
 Predicted MDL: 0.001806  
 Predicted MQL: 0.006019

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .01000       | .01003      | .000       | .275    | .00159  | .000    | 1        |
| S2        | 6.2500       | 6.3419      | .092       | 1.47    | 1.0395  | .002    | 1        |
| S3        | 12.500       | 12.366      | -.134      | -1.08   | 2.0270  | .001    | 1        |
| S4        | 25.000       | 24.901      | -.099      | -.396   | 4.0818  | .011    | 1        |
| S5        | 50.000       | 50.142      | .142       | .283    | 8.2193  | .010    | 1        |

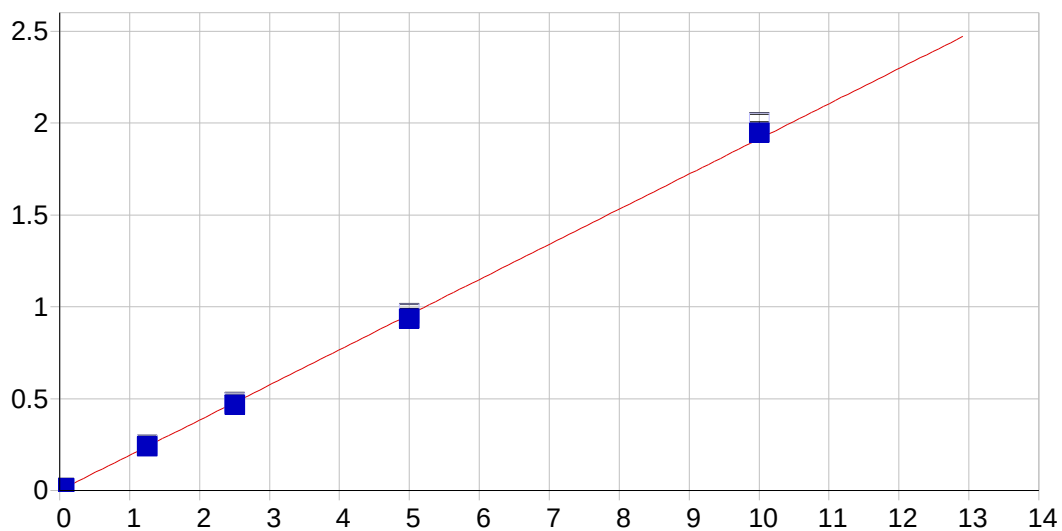


Se 196.090 {472}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000706 Re-Slope: 1.000000  
 A1 (Gain): 0.080745 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999679 Status: OK.  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.002832  
 Predicted MQL: 0.009440

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00071 | .000    | 1        |
| S1        | .03500       | .03513      | .000       | .373    | .00354 | .000    | 1        |
| S2        | 1.2500       | 1.3355      | .086       | 6.84    | .10807 | .000    | 1        |
| S3        | 2.5000       | 2.5955      | .096       | 3.82    | .20933 | .001    | 1        |
| S4        | 5.0000       | 4.9698      | -.030      | -.604   | .40010 | .000    | 1        |
| S5        | 10.000       | 9.8490      | -.151      | -1.51   | .79218 | .002    | 1        |



Date of Fit: 10/17/2018 13:38:09

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000557

Re-Slope: 1.000000

A1 (Gain): 0.191267

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999801

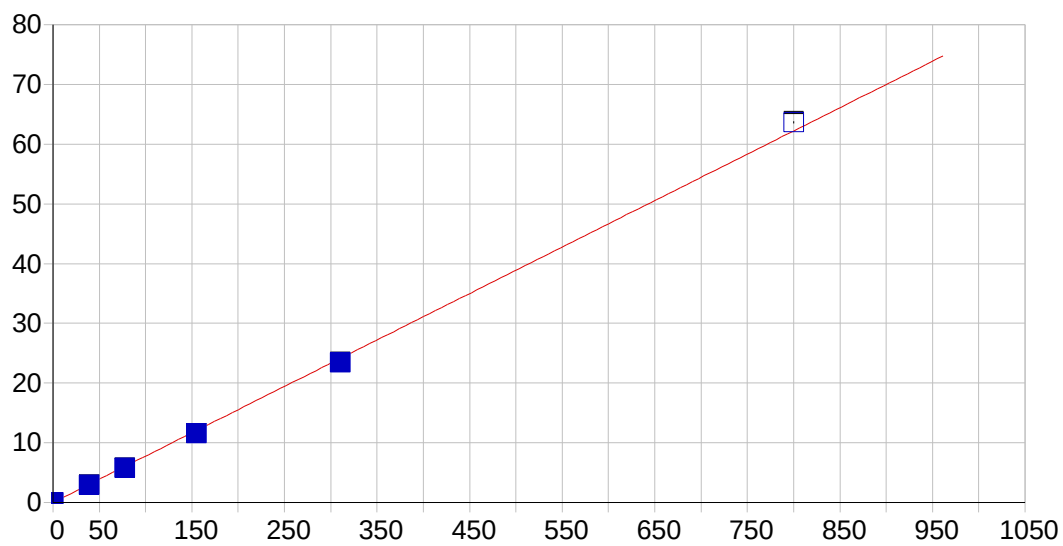
Status: OK.

Std Error of Est: 0.000161

Predicted MDL: 0.001521

Predicted MQL: 0.005069

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00056 | .000    | 1        |
| S1        | .06000       | .06379      | .004       | 6.32    | .01276 | .000    | 1        |
| S2        | 1.2500       | 1.2511      | .001       | .087    | .24636 | .001    | 1        |
| S3        | 2.5000       | 2.4293      | -.071      | -2.83   | .47823 | .001    | 1        |
| S4        | 5.0000       | 4.8884      | -.112      | -2.23   | .96159 | .003    | 1        |
| S5        | 10.000       | 10.178      | .178       | 1.78    | 1.9993 | .004    | 1        |

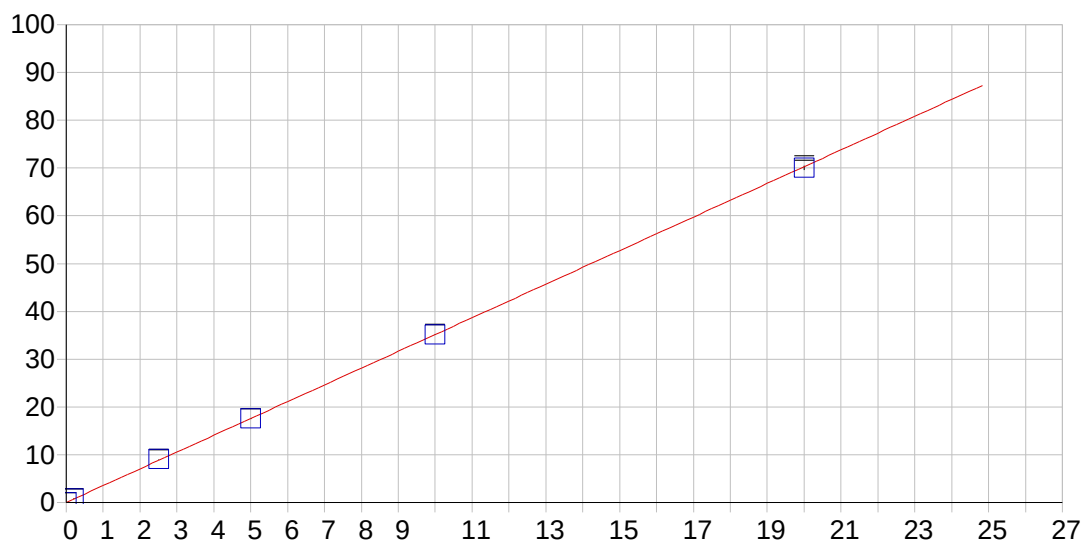


AI 396.152 { 85}

Date of Fit: 10/17/2018 13:38:09      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |                    |
|-------------------|----------|--------------------|
| A0 (Offset):      | 0.003814 | Re-Slope: 1.000000 |
| A1 (Gain):        | 0.077755 | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000 |                    |
| n (Exponent):     | 1.000000 |                    |
| Correlation:      | 0.999604 | Status: OK.        |
| Std Error of Est: | 0.001361 |                    |
| Predicted MDL:    | 0.014209 |                    |
| Predicted MQL:    | 0.047363 |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00382 | .001    | 1        |
| S1        | .20000       | .20298      | .003       | 1.49    | .01962 | .001    | 1        |
| S2        | 38.750       | 38.302      | -.448      | -1.16   | 2.9848 | .009    | 1        |
| S3        | 77.500       | 73.857      | -3.64      | -4.70   | 5.7522 | .008    | 1        |
| S4        | 155.00       | 148.74      | -6.26      | -4.04   | 11.580 | .027    | 1        |
| S5        | 310.00       | 301.61      | -8.39      | -2.71   | 23.478 | .047    | 1        |
| S6        | 800.00       | 818.75      | 18.8       | 2.34    | 63.666 | .163    | 1        |

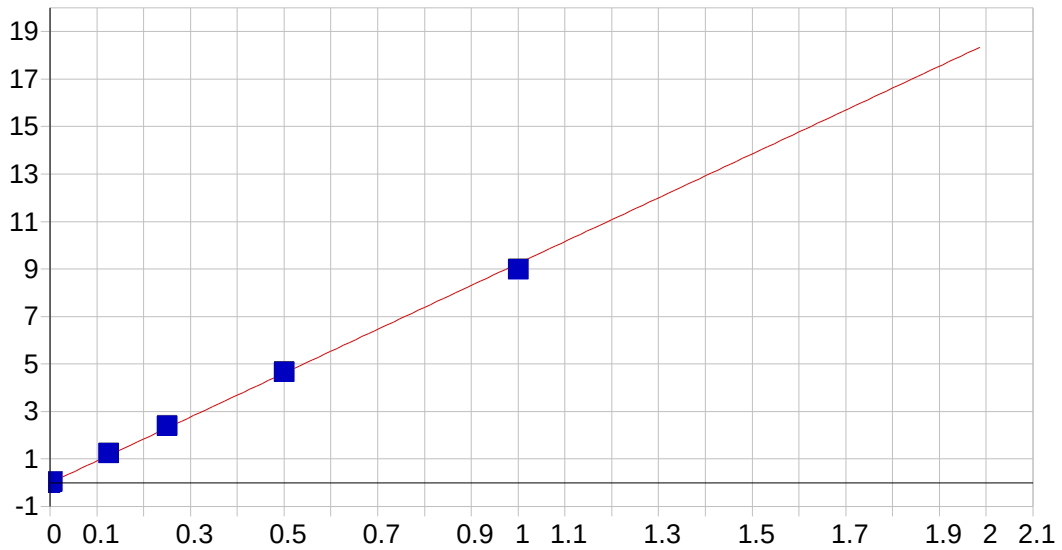


Ba 493.409 { 68}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.019440 Re-Slope: 1.000000  
 A1 (Gain): 3.513364 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999961 Status: OK.  
 Std Error of Est: 0.003297  
 Predicted MDL: 0.000985  
 Predicted MQL: 0.003284

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | .01937 | .001    | 1        |
| S1        | .20000       | .21580      | .016       | 7.90    | .77762 | .004    | 1        |
| S2        | 2.5000       | 2.5600      | .060       | 2.40    | 9.0136 | .011    | 1        |
| S3        | 5.0000       | 4.9889      | -.011      | -.223   | 17.547 | .033    | 1        |
| S4        | 10.000       | 10.002      | .002       | .024    | 35.162 | .052    | 1        |
| S5        | 20.000       | 19.933      | -.067      | -.335   | 70.051 | .451    | 1        |



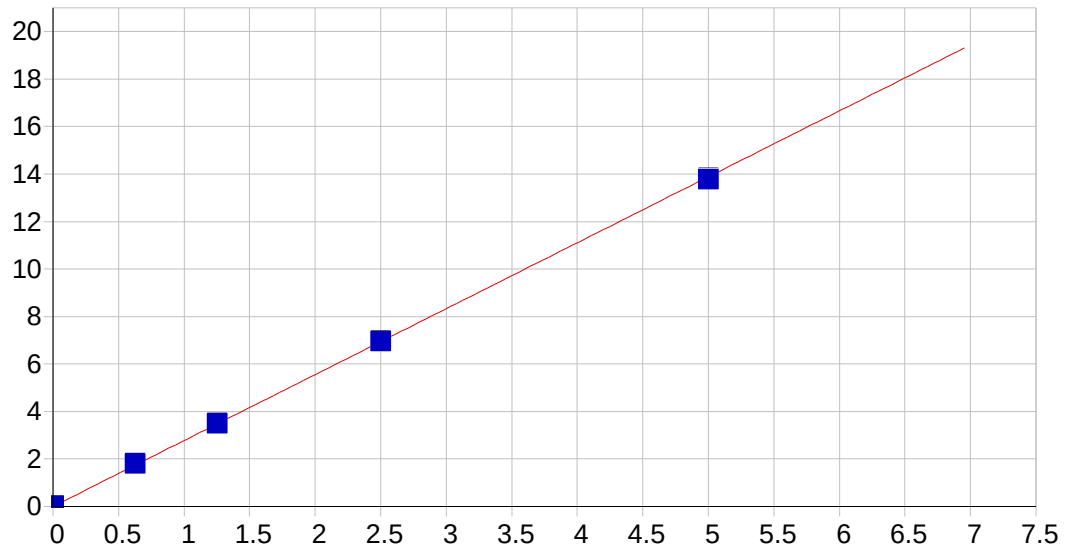
Be 234.861 {144}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003149 Re-Slope: 1.000000  
 A1 (Gain): 9.234689 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999455 Status: OK.  
 Std Error of Est: 0.001140  
 Predicted MDL: 0.000065  
 Predicted MQL: 0.000217

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00316 | .000    | 1        |
| S1        | .00500       | .00557      | .001       | 11.4    | .04824  | .000    | 1        |
| S2        | .12500       | .13504      | .010       | 8.03    | 1.2389  | .002    | 1        |
| S3        | .25000       | .25980      | .010       | 3.92    | 2.3859  | .017    | 1        |
| S4        | .50000       | .50611      | .006       | 1.22    | 4.6504  | .013    | 1        |
| S5        | 1.0000       | .97347      | -.027      | -2.65   | 8.9462  | .018    | 1        |



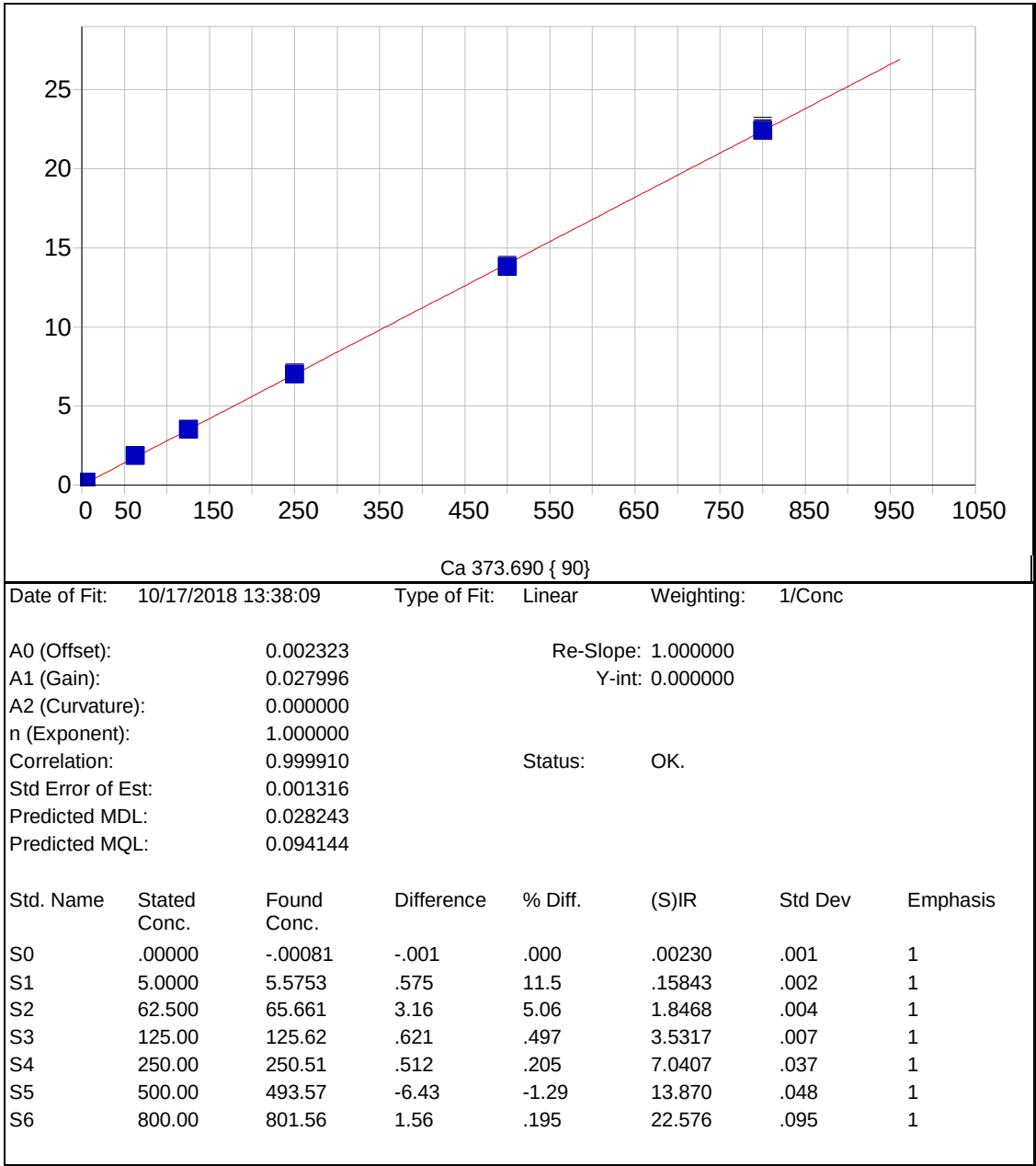


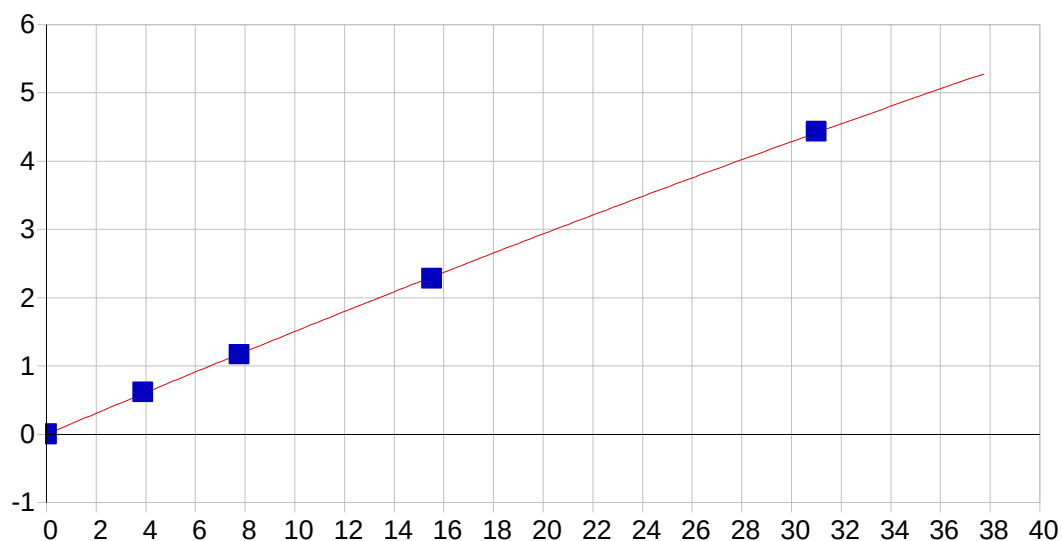
Cd 214.438 {457}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000421 Re-Slope: 1.000000  
 A1 (Gain): 2.776786 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920 Status: OK.  
 Std Error of Est: 0.000295  
 Predicted MDL: 0.000084  
 Predicted MQL: 0.000280

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00042 | .000    | 1        |
| S1        | .00500       | .00545      | .000       | 9.02    | .01557 | .000    | 1        |
| S2        | .62500       | .65121      | .026       | 4.19    | 1.8123 | .003    | 1        |
| S3        | 1.2500       | 1.2601      | .010       | .806    | 3.5065 | .001    | 1        |
| S4        | 2.5000       | 2.5011      | .001       | .044    | 6.9597 | .016    | 1        |
| S5        | 5.0000       | 4.9622      | -.038      | -.757   | 13.808 | .023    | 1        |



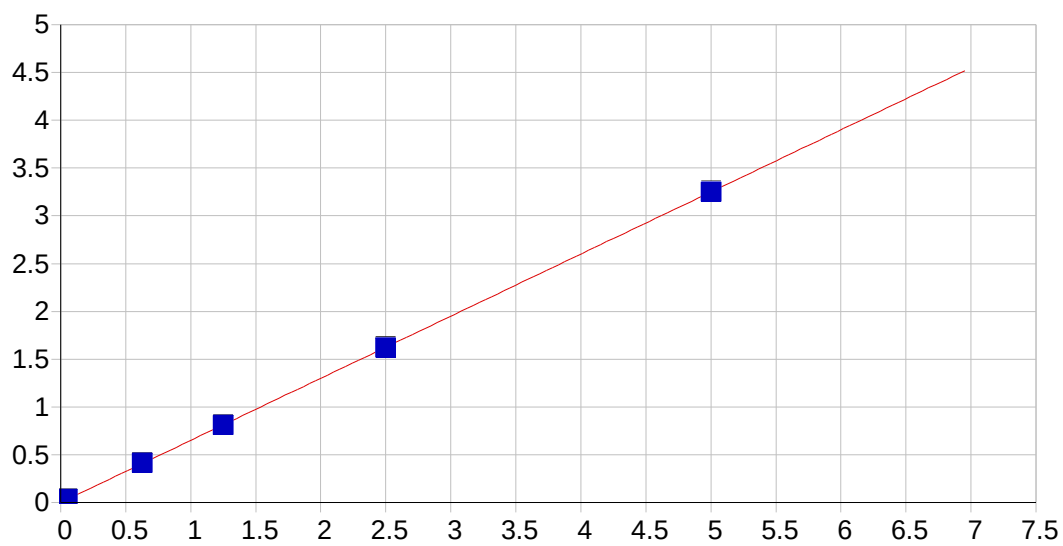


Cr 267.716 {126}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000011 Re-Slope: 1.000000  
 A1 (Gain): 0.154540 Y-int: 0.000000  
 A2 (Curvature): -0.000388  
 n (Exponent): 1.000000  
 Correlation: 0.999928 Status: OK.  
 Std Error of Est: 0.000060  
 Predicted MDL: 0.000519  
 Predicted MQL: 0.001729

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .01000       | .01172      | .002       | 17.2    | .00183 | .000    | 1        |
| S2        | 3.8750       | 4.0158      | .141       | 3.63    | .61540 | .001    | 1        |
| S3        | 7.7500       | 7.6950      | -.055      | -.710   | 1.1683 | .002    | 1        |
| S4        | 15.500       | 15.321      | -.179      | -1.16   | 2.2807 | .005    | 1        |
| S5        | 31.000       | 31.093      | .093       | .301    | 4.4382 | .004    | 1        |

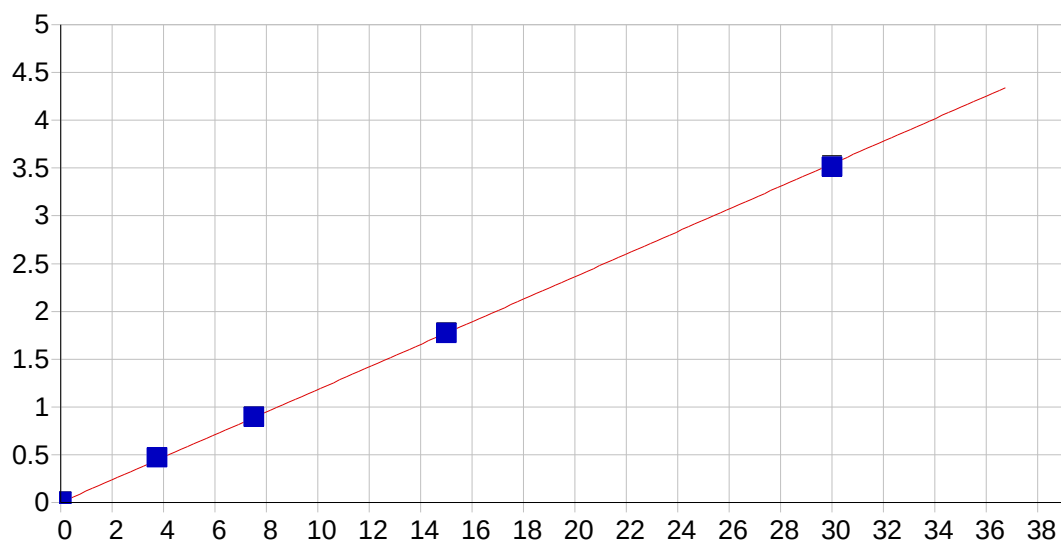


Co 228.616 {448}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000269 Re-Slope: 1.000000  
 A1 (Gain): 0.649856 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999985 Status: OK.  
 Std Error of Est: 0.000096  
 Predicted MDL: 0.000304  
 Predicted MQL: 0.001014

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00027 | .000    | 1        |
| S1        | .05000       | .05140      | .001       | 2.79    | .03379 | .000    | 1        |
| S2        | .62500       | .63599      | .011       | 1.76    | .41438 | .001    | 1        |
| S3        | 1.2500       | 1.2432      | -.007      | -.544   | .80978 | .000    | 1        |
| S4        | 2.5000       | 2.4931      | -.007      | -.277   | 1.6236 | .004    | 1        |
| S5        | 5.0000       | 5.0013      | .001       | .027    | 3.2569 | .006    | 1        |

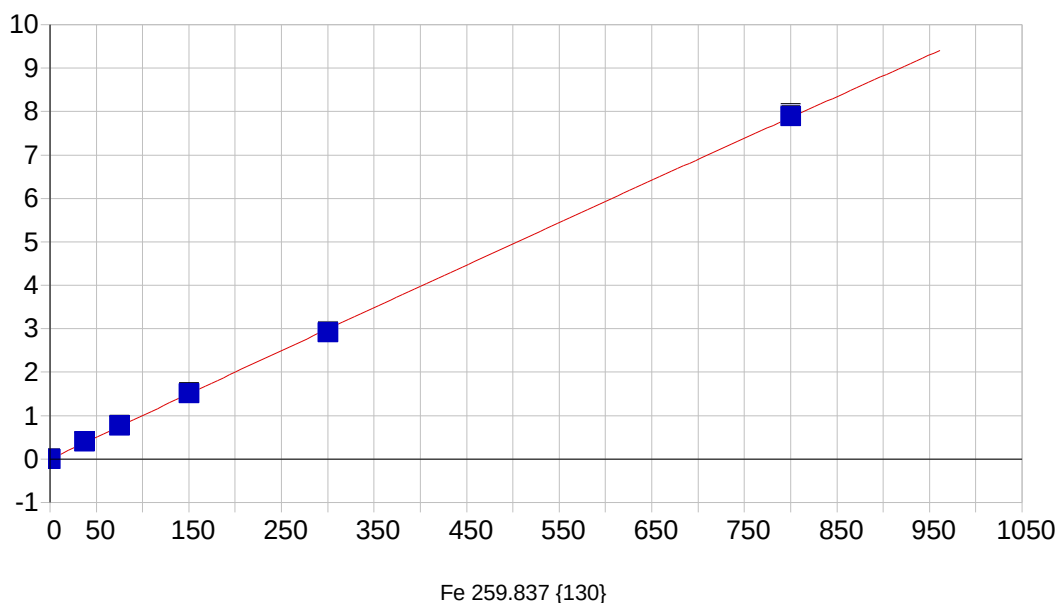


Cu 324.754 {104}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001580 Re-Slope: 1.000000  
 A1 (Gain): 0.118085 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999871 Status: OK.  
 Std Error of Est: 0.000087  
 Predicted MDL: 0.004724  
 Predicted MQL: 0.015747

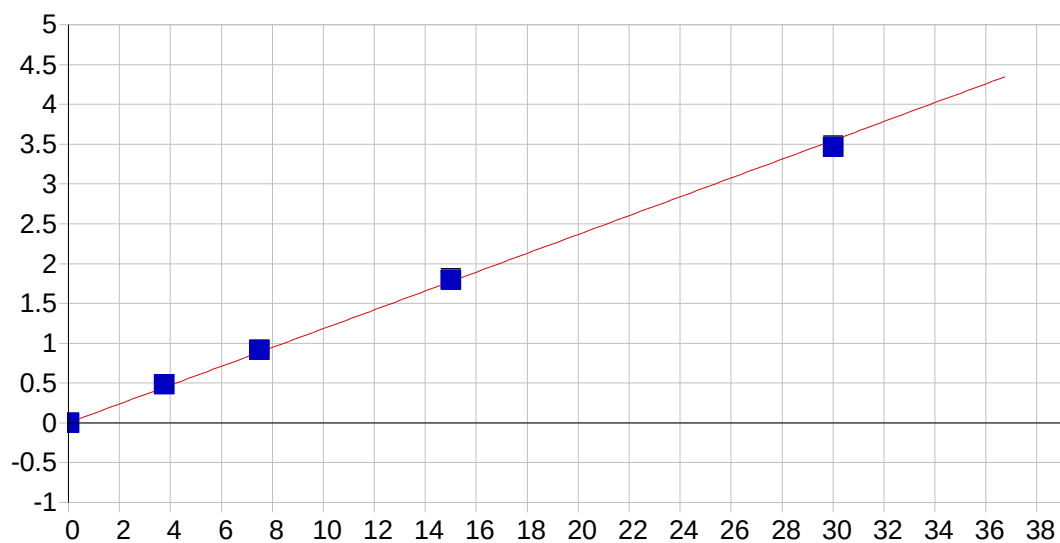
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00158 | .000    | 1        |
| S1        | .02500       | .02373      | -.001      | -5.07   | .00438 | .001    | 1        |
| S2        | 3.7500       | 3.9568      | .207       | 5.51    | .46853 | .003    | 1        |
| S3        | 7.5000       | 7.5737      | .074       | .983    | .89537 | .002    | 1        |
| S4        | 15.000       | 14.985      | -.015      | -.100   | 1.7700 | .004    | 1        |
| S5        | 30.000       | 29.736      | -.264      | -.881   | 3.5107 | .010    | 1        |



Date of Fit: 10/17/2018 13:38:09 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000030 Re-Slope: 1.000000  
 A1 (Gain): 0.010059 Y-int: 0.000000  
 A2 (Curvature): -0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999835 Status: OK.  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.025431  
 Predicted MQL: 0.084770

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00004     | .000       | .000    | -.00003 | .000    | 1        |
| S1        | .10000       | .12839      | .028       | 28.4    | .00128  | .000    | 1        |
| S2        | 37.500       | 40.133      | 2.63       | 7.02    | .40523  | .002    | 1        |
| S3        | 75.000       | 76.738      | 1.74       | 2.32    | .77426  | .001    | 1        |
| S4        | 150.00       | 150.85      | .851       | .567    | 1.5190  | .010    | 1        |
| S5        | 300.00       | 292.21      | -7.79      | -2.60   | 2.9314  | .008    | 1        |
| S6        | 800.00       | 802.54      | 2.54       | .318    | 7.9268  | .022    | 1        |

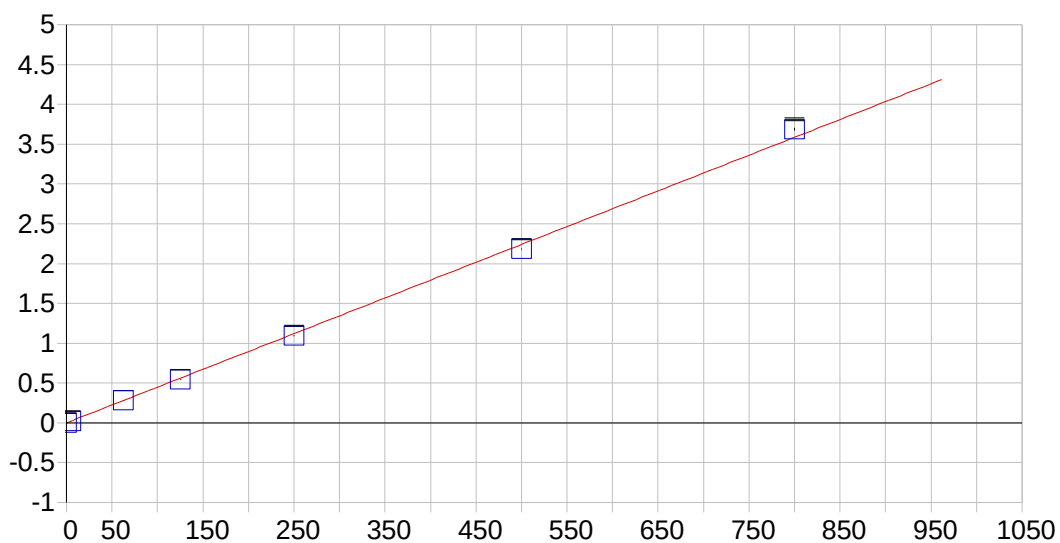


Mn 257.610 {131}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000072 Re-Slope: 1.000000  
 A1 (Gain): 0.118262 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999555 Status: OK.  
 Std Error of Est: 0.000126  
 Predicted MDL: 0.001877  
 Predicted MQL: 0.006255

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00007 | .000    | 1        |
| S1        | .01500       | .01916      | .004       | 27.7    | .00219  | .000    | 1        |
| S2        | 3.7500       | 4.0485      | .299       | 7.96    | .47881  | .000    | 1        |
| S3        | 7.5000       | 7.7297      | .230       | 3.06    | .91426  | .004    | 1        |
| S4        | 15.000       | 15.167      | .167       | 1.12    | 1.7941  | .015    | 1        |
| S5        | 30.000       | 29.300      | -.700      | -2.33   | 3.4658  | .012    | 1        |



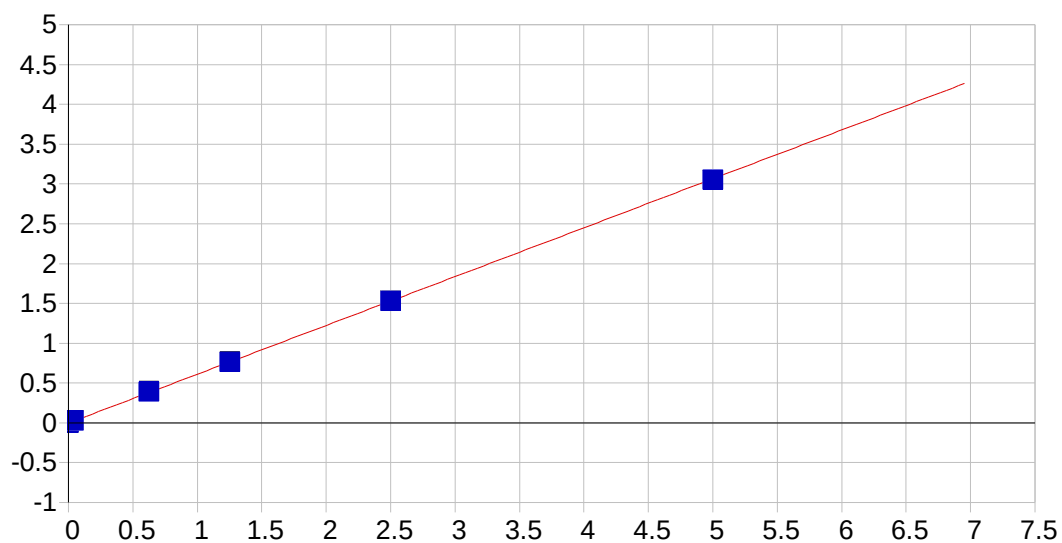
Mg 279.079 {121}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000140 Re-Slope: 1.000000  
 A1 (Gain): 0.004482 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999639 Status: OK.  
 Std Error of Est: 0.000421  
 Predicted MDL: 0.069285  
 Predicted MQL: 0.230950

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00010      | .000       | .000    | -.00014 | .000    | 1        |
| S1        | 5.0000       | 5.1459      | .146       | 2.92    | .02292  | .000    | 1        |
| S2        | 62.500       | 62.579      | .079       | .126    | .28032  | .001    | 1        |
| S3        | 125.00       | 121.34      | -3.66      | -2.92   | .54369  | .002    | 1        |
| S4        | 250.00       | 244.18      | -5.82      | -2.33   | 1.0942  | .006    | 1        |
| S5        | 500.00       | 486.49      | -13.5      | -2.70   | 2.1802  | .006    | 1        |
| S6        | 800.00       | 822.76      | 22.8       | 2.84    | 3.6872  | .016    | 1        |



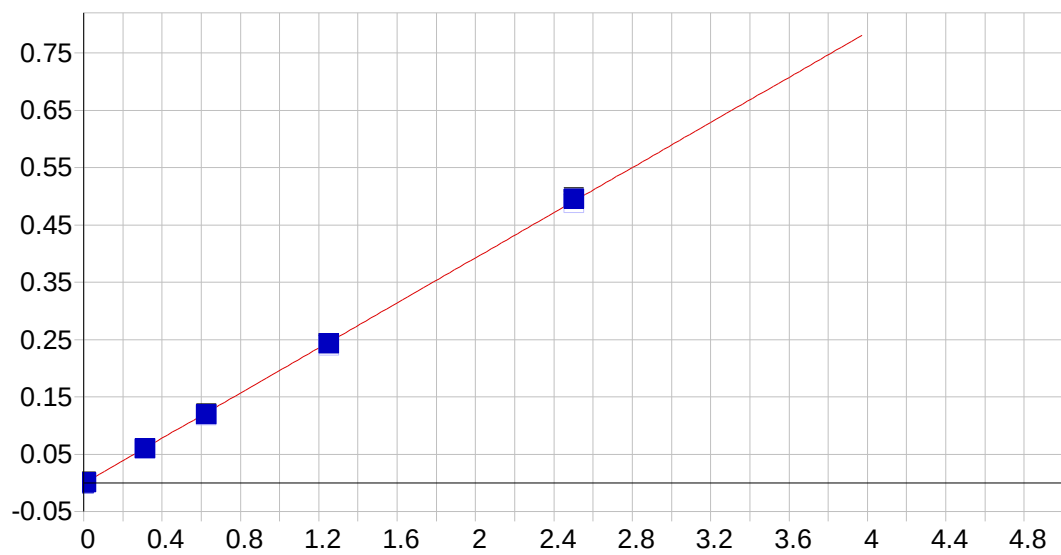


Ni 231.604 {446}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001953 Re-Slope: 1.000000  
 A1 (Gain): 0.613099 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999936 Status: OK.  
 Std Error of Est: 0.000165  
 Predicted MDL: 0.000422  
 Predicted MQL: 0.001408

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00196 | .000    | 1        |
| S1        | .04000       | .04416      | .004       | 10.4    | .02513  | .000    | 1        |
| S2        | .62500       | .64518      | .020       | 3.23    | .39439  | .001    | 1        |
| S3        | 1.2500       | 1.2511      | .001       | .088    | .76666  | .000    | 1        |
| S4        | 2.5000       | 2.4999      | .000       | -.005   | 1.5339  | .004    | 1        |
| S5        | 5.0000       | 4.9747      | -.025      | -.506   | 3.0543  | .004    | 1        |

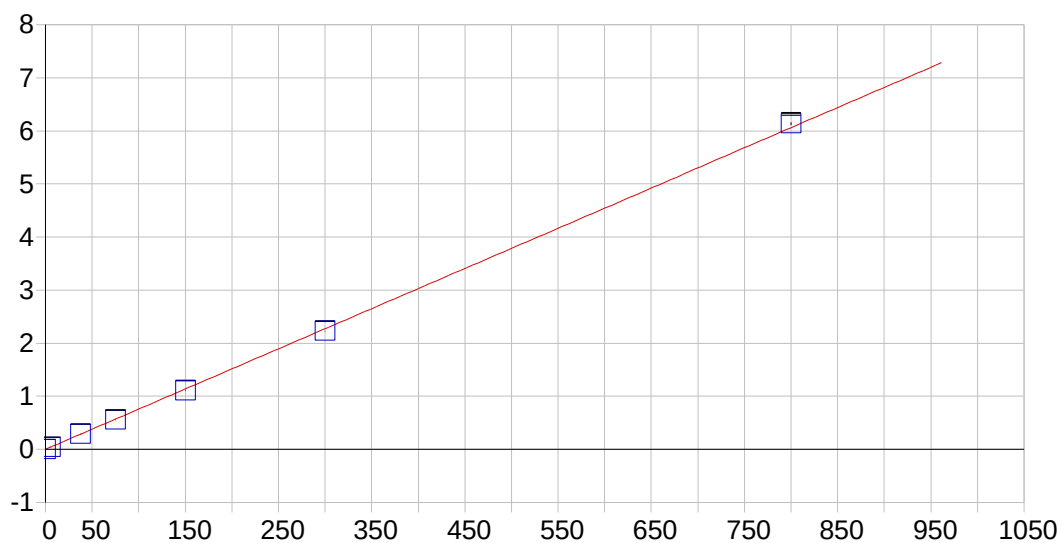


Ag 328.068 {103}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000850 Re-Slope: 1.000000  
 A1 (Gain): 0.196823 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999938 Status: OK.  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.000571  
 Predicted MQL: 0.001902

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00085 | .000    | 1        |
| S1        | .01000       | .01018      | .000       | 1.84    | .00114  | .000    | 1        |
| S2        | .31250       | .31110      | -.001      | -.447   | .05945  | .000    | 1        |
| S3        | .62500       | .61312      | -.012      | -1.90   | .11795  | .000    | 1        |
| S4        | 1.2500       | 1.2391      | -.011      | -.872   | .23929  | .000    | 1        |
| S5        | 2.5000       | 2.5240      | .024       | .960    | .48844  | .002    | 1        |



Na 818.326 { 41}

Date of Fit: 10/17/2018 13:38:09

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002586

Re-Slope: 1.000000

A1 (Gain): 0.007571

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999860

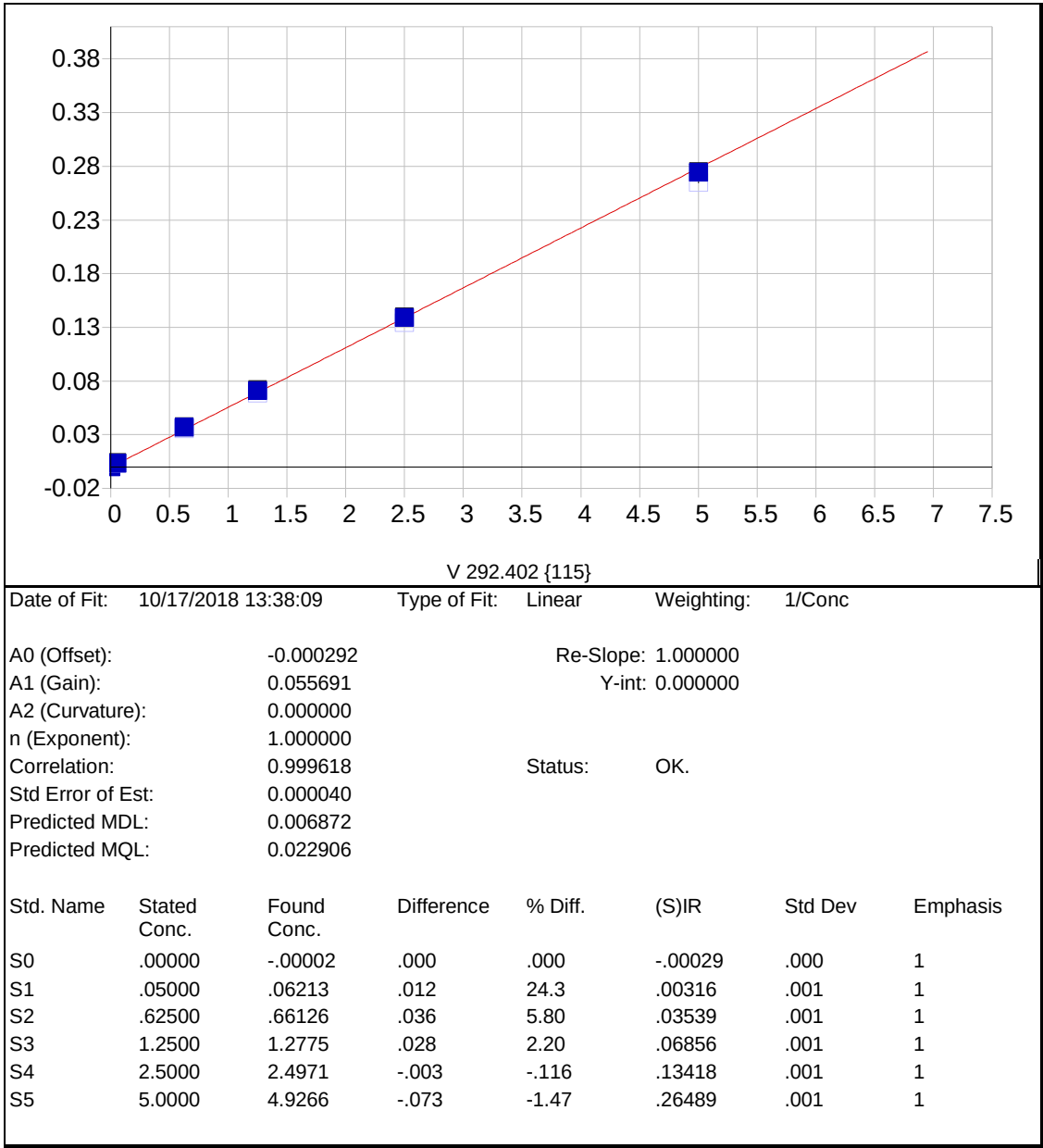
Status: OK.

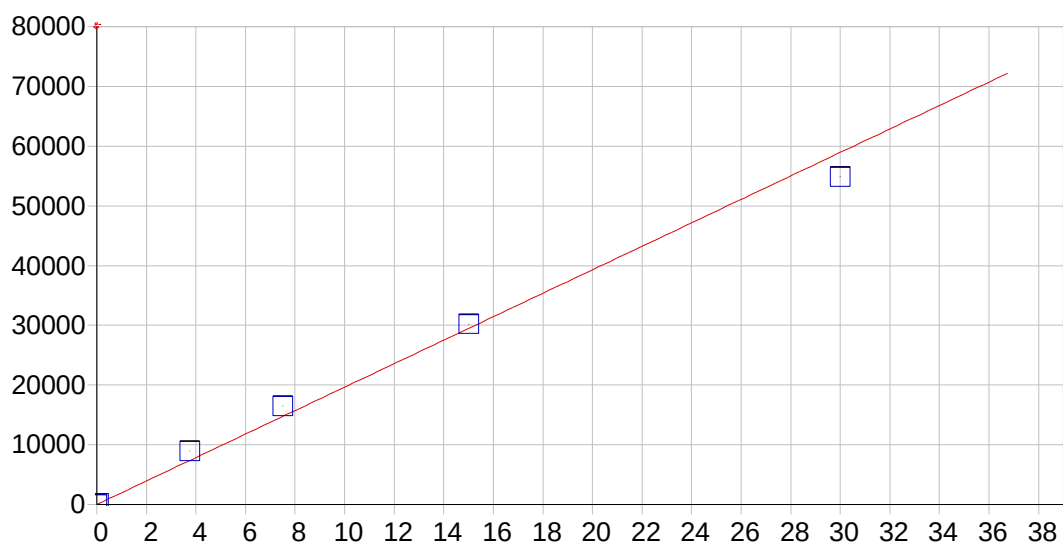
Std Error of Est: 0.000391

Predicted MDL: 0.314900

Predicted MQL: 1.049666

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00007      | .000       | .000    | .00259 | .003    | 1        |
| S1        | 5.0000       | 5.1211      | .121       | 2.42    | .04136 | .001    | 1        |
| S2        | 37.500       | 38.132      | .632       | 1.69    | .29127 | .002    | 1        |
| S3        | 75.000       | 72.989      | -2.01      | -2.68   | .55517 | .005    | 1        |
| S4        | 150.00       | 146.59      | -3.41      | -2.27   | 1.1124 | .005    | 1        |
| S5        | 300.00       | 294.38      | -5.62      | -1.87   | 2.2313 | .004    | 1        |
| S6        | 800.00       | 810.29      | 10.3       | 1.29    | 6.1370 | .029    | 1        |



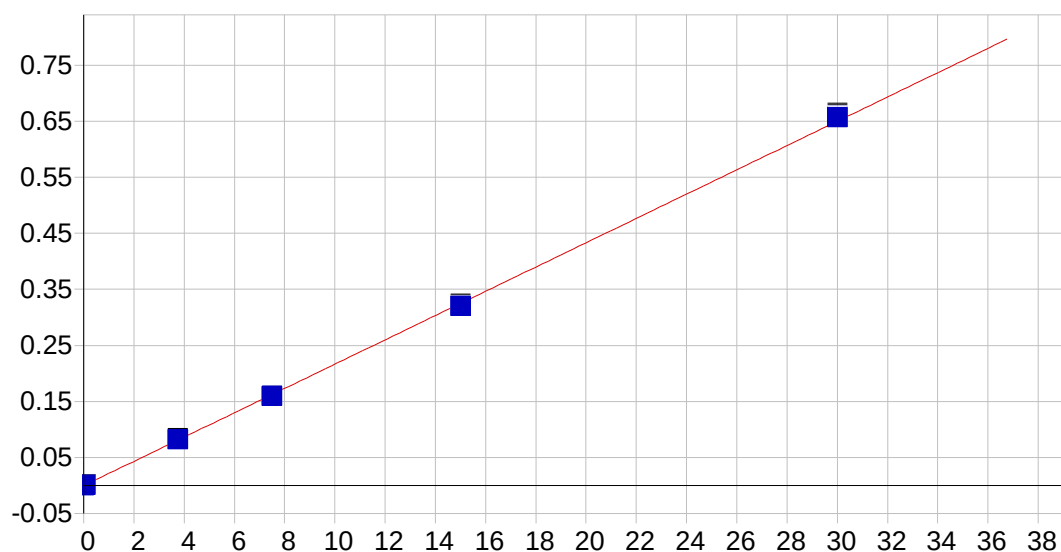


Zn 206.200 {464}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 3.220984 Re-Slope: 1.000000  
 A1 (Gain): 1964.814056 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.996172 Status: OK.  
 Std Error of Est: 12.266872  
 Predicted MDL: 0.000311  
 Predicted MQL: 0.001035

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | .000       | .000    | 3.1462 | .796    | 1        |
| S1        | .06000       | .08086      | .021       | 34.8    | 162.10 | .299    | 1        |
| S2        | 3.7500       | 4.5485      | .799       | 21.3    | 8940.2 | 15.3    | 1        |
| S3        | 7.5000       | 8.3828      | .883       | 11.8    | 16474. | 13.2    | 1        |
| S4        | 15.000       | 15.370      | .370       | 2.47    | 30203. | 52.8    | 1        |
| S5        | 30.000       | 27.927      | -2.07      | -6.91   | 54875. | 63.3    | 1        |

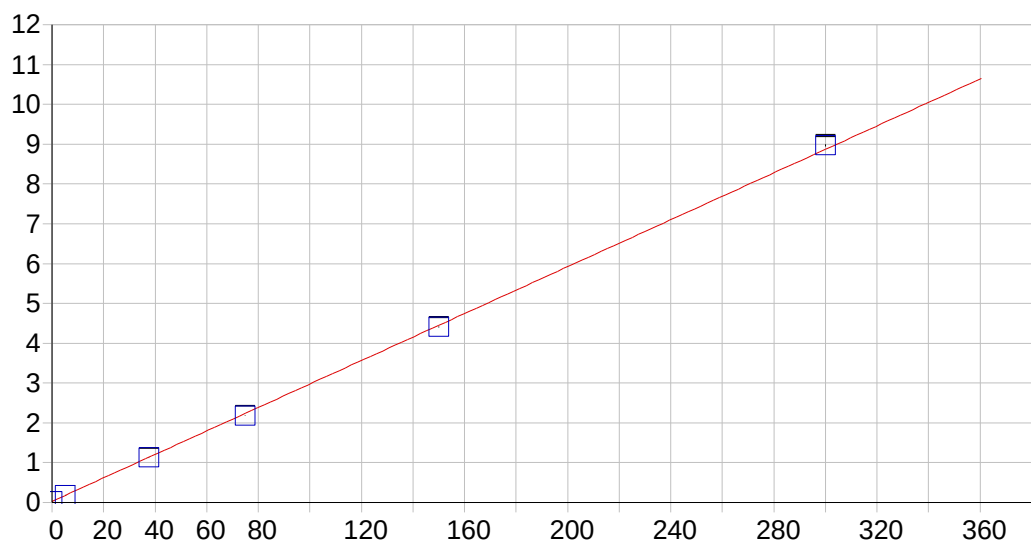


Zn 213.856 {158}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000281 Re-Slope: 1.000000  
 A1 (Gain): 0.021678 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999907 Status: OK.  
 Std Error of Est: 0.000021  
 Predicted MDL: 0.015738  
 Predicted MQL: 0.052462

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00028 | .000    | 1        |
| S1        | .06000       | .05893      | -.001      | -1.78   | .00100  | .001    | 1        |
| S2        | 3.7500       | 3.7963      | .046       | 1.23    | .08240  | .001    | 1        |
| S3        | 7.5000       | 7.3607      | -.139      | -1.86   | .16005  | .000    | 1        |
| S4        | 15.000       | 14.762      | -.238      | -1.58   | .32127  | .003    | 1        |
| S5        | 30.000       | 30.332      | .332       | 1.11    | .66032  | .005    | 1        |

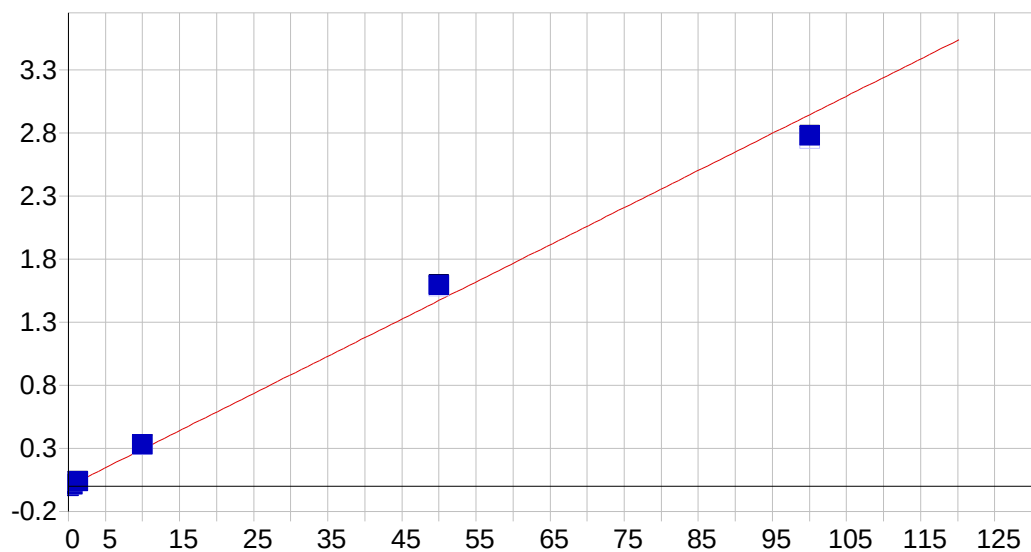


K 769.896 { 44}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.029486 Re-Slope: 1.000000  
 A1 (Gain): 0.029466 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999901 Status: OK.  
 Std Error of Est: 0.000855  
 Predicted MDL: 0.073074  
 Predicted MQL: 0.243581

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00012      | .000       | .000    | .02949 | .001    | 1        |
| S1        | 5.0000       | 5.0404      | .040       | .808    | .17800 | .000    | 1        |
| S2        | 37.500       | 37.183      | -.317      | -.845   | 1.1251 | .006    | 1        |
| S3        | 75.000       | 72.945      | -2.06      | -2.74   | 2.1789 | .007    | 1        |
| S4        | 150.00       | 148.75      | -1.25      | -.832   | 4.4125 | .016    | 1        |
| S5        | 300.00       | 303.58      | 3.58       | 1.19    | 8.9747 | .028    | 1        |



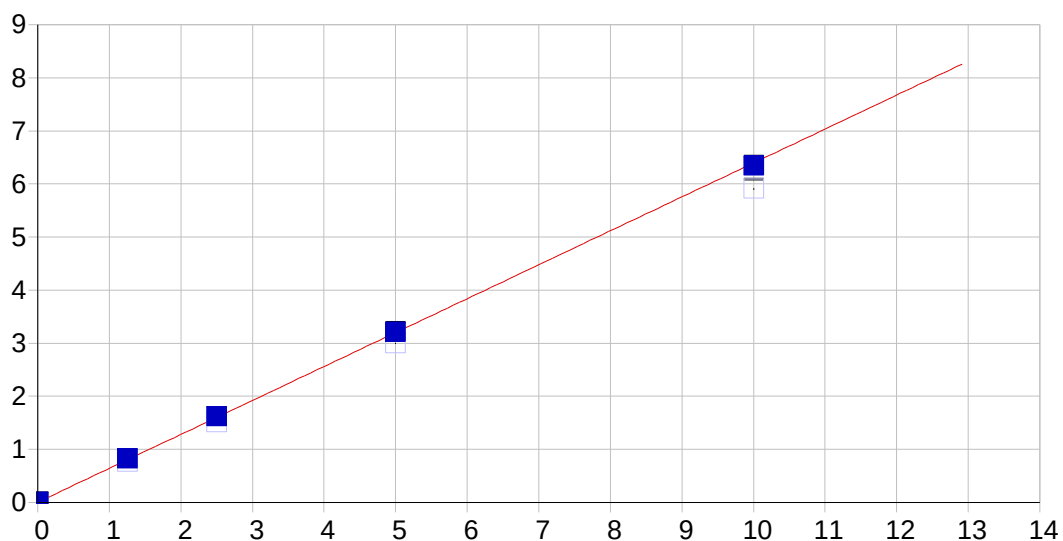
P 177.495 {490}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000996 Re-Slope: 1.000000  
 A1 (Gain): 0.029435 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997285 Status: OK.  
 Std Error of Est: 0.000749  
 Predicted MDL: 0.003378  
 Predicted MQL: 0.011262

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00012     | .000       | .000    | -.00100 | .000    | 1        |
| S1        | .50000       | .47338      | -.027      | -5.32   | .01292  | .000    | 1        |
| S2        | 1.2500       | 1.4196      | .170       | 13.6    | .03770  | .000    | 1        |
| S3        | 10.000       | 11.271      | 1.27       | 12.7    | .32460  | .001    | 1        |
| S4        | 50.000       | 54.250      | 4.25       | 8.50    | 1.5835  | .002    | 1        |
| S5        | 100.00       | 94.365      | -5.64      | -5.64   | 2.7519  | .005    | 1        |



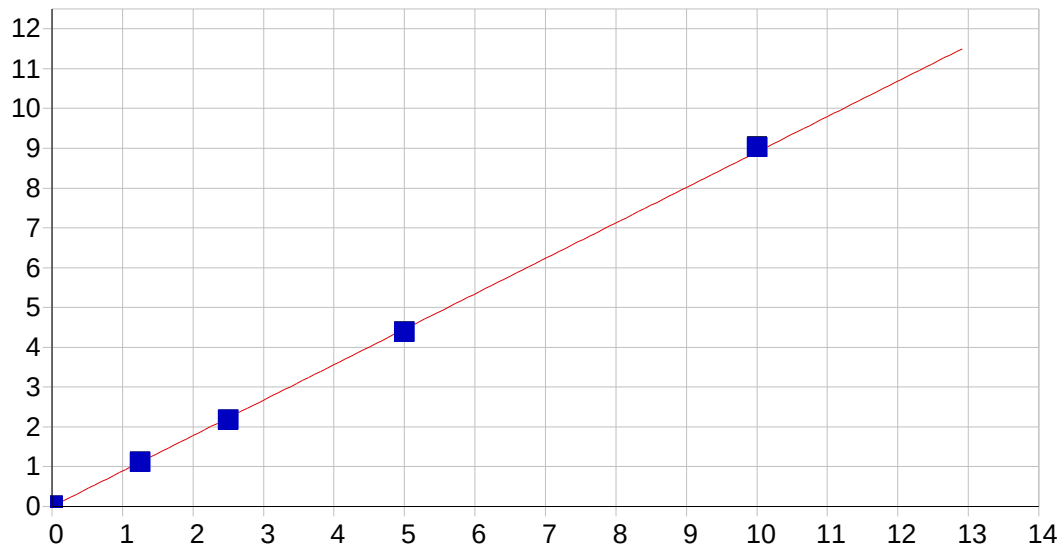


B 249.678 {135}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004047 Re-Slope: 1.000000  
 A1 (Gain): 0.639151 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999947 Status: OK.  
 Std Error of Est: 0.000103  
 Predicted MDL: 0.001087  
 Predicted MQL: 0.003623

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00405 | .001    | 1        |
| S1        | .01000       | .01005      | .000       | .493    | .01036 | .001    | 1        |
| S2        | 1.2500       | 1.2790      | .029       | 2.32    | .76685 | .003    | 1        |
| S3        | 2.5000       | 2.5241      | .024       | .964    | 1.5080 | .008    | 1        |
| S4        | 5.0000       | 5.0282      | .028       | .563    | 2.9992 | .010    | 1        |
| S5        | 10.000       | 9.9187      | -.081      | -.813   | 5.9064 | .012    | 1        |

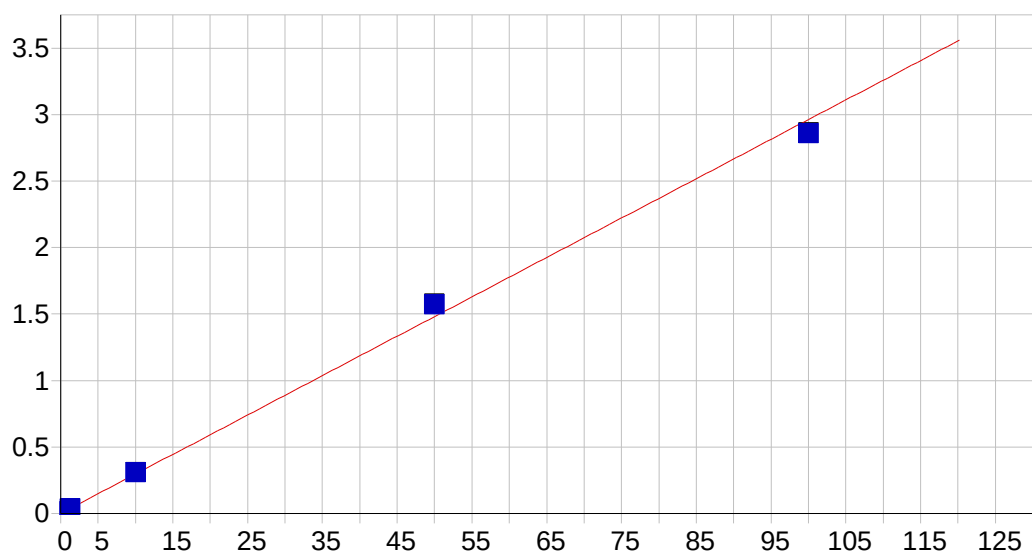


Mo 202.030 {467}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000768 Re-Slope: 1.000000  
 A1 (Gain): 0.890517 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999870 Status: OK.  
 Std Error of Est: 0.000240  
 Predicted MDL: 0.000286  
 Predicted MQL: 0.000954

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00077 | .000    | 1        |
| S1        | .01000       | .01055      | .001       | 5.45    | .01015 | .000    | 1        |
| S2        | 1.2500       | 1.2521      | .002       | .165    | 1.1157 | .002    | 1        |
| S3        | 2.5000       | 2.4378      | -.062      | -2.49   | 2.1716 | .002    | 1        |
| S4        | 5.0000       | 4.9190      | -.081      | -1.62   | 4.3811 | .009    | 1        |
| S5        | 10.000       | 10.141      | .141       | 1.41    | 9.0307 | .011    | 1        |

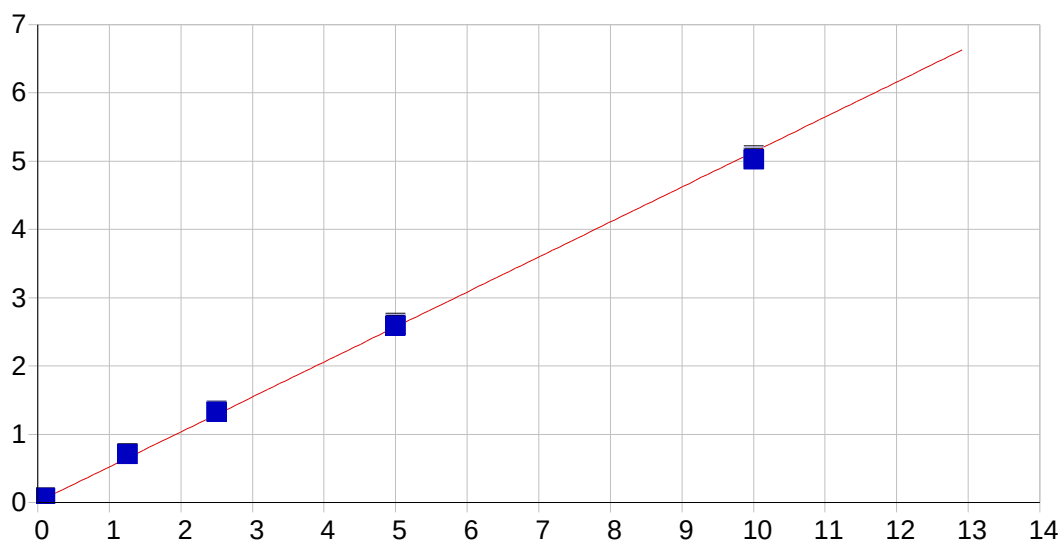


S 182.034 {485}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000326 Re-Slope: 1.000000  
 A1 (Gain): 0.029614 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998932 Status: OK.  
 Std Error of Est: 0.000477  
 Predicted MDL: 0.004187  
 Predicted MQL: 0.013958

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00033 | .000    | 1        |
| S1        | .50000       | .46004      | -.040      | -7.99   | .01395 | .000    | 1        |
| S2        | 1.2500       | 1.2276      | -.022      | -1.79   | .03669 | .000    | 1        |
| S3        | 10.000       | 10.470      | .470       | 4.70    | .31043 | .001    | 1        |
| S4        | 50.000       | 53.126      | 3.13       | 6.25    | 1.5737 | .003    | 1        |
| S5        | 100.00       | 96.466      | -3.53      | -3.53   | 2.8572 | .006    | 1        |

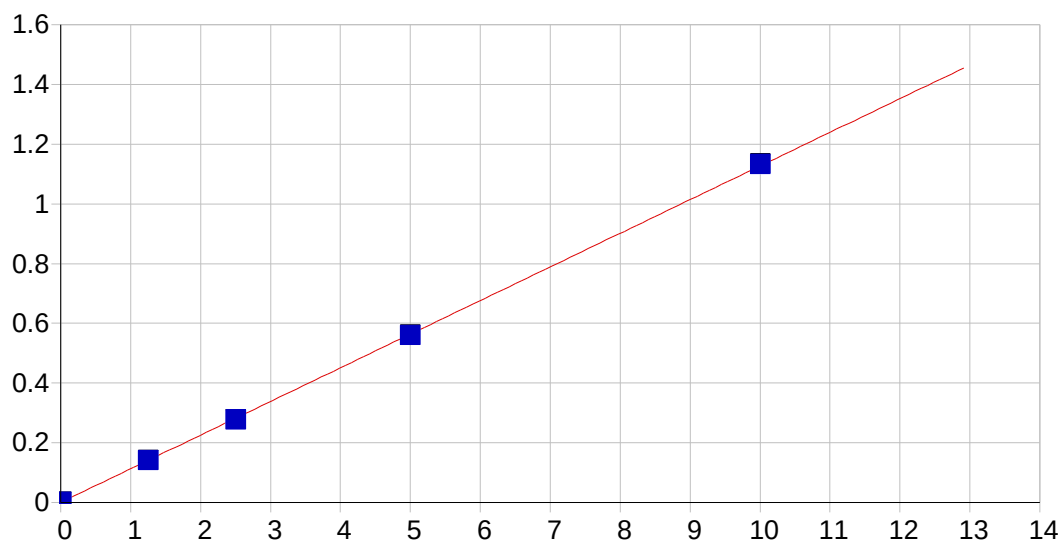


Si 251.611 {134}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008299 Re-Slope: 1.000000  
 A1 (Gain): 0.512623 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999541 Status: OK.  
 Std Error of Est: 0.000832  
 Predicted MDL: 0.001225  
 Predicted MQL: 0.004083

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00829 | .000    | 1        |
| S1        | .10000       | .10429      | .004       | 4.29    | .06194 | .001    | 1        |
| S2        | 1.2500       | 1.3610      | .111       | 8.88    | .71124 | .003    | 1        |
| S3        | 2.5000       | 2.5744      | .074       | 2.98    | 1.3385 | .007    | 1        |
| S4        | 5.0000       | 5.0357      | .036       | .714    | 2.6107 | .013    | 1        |
| S5        | 10.000       | 9.7746      | -.225      | -2.25   | 5.0610 | .015    | 1        |

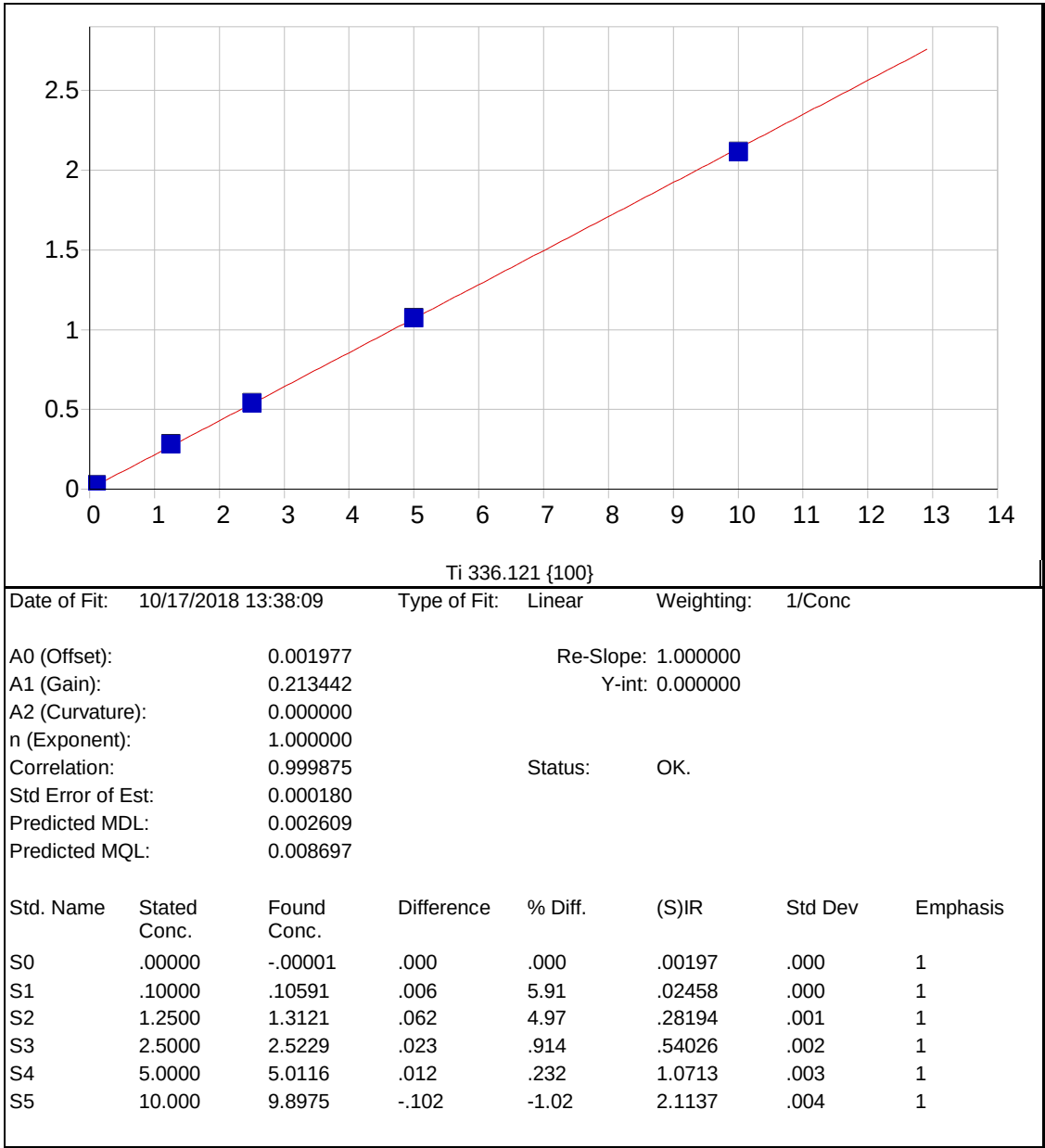


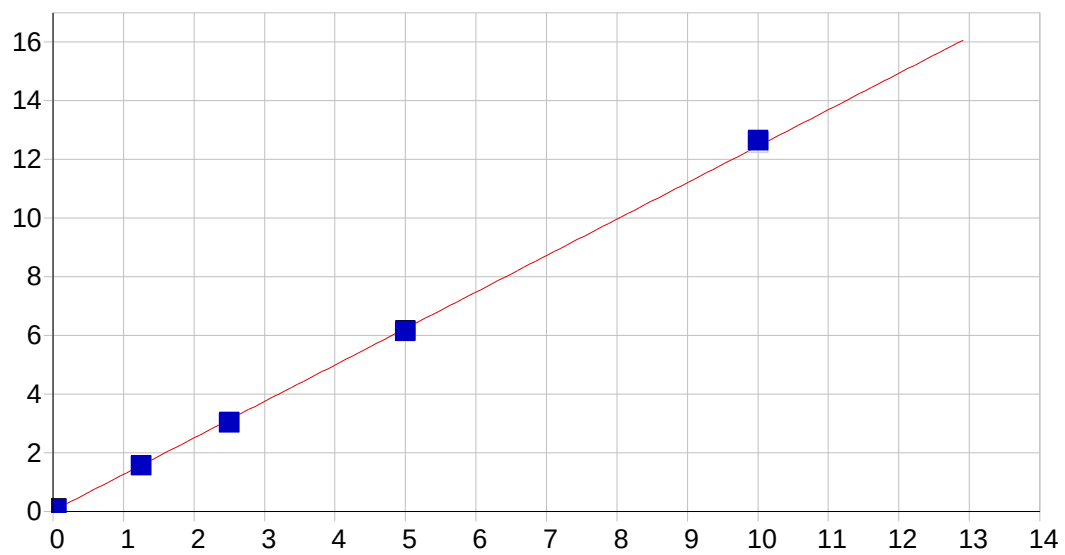
Sn 189.989 {478}

Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000332 Re-Slope: 1.000000  
 A1 (Gain): 0.112657 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999970 Status: OK.  
 Std Error of Est: 0.000012  
 Predicted MDL: 0.001079  
 Predicted MQL: 0.003597

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00033 | .000    | 1        |
| S1        | .00700       | .00711      | .000       | 1.51    | .00110 | .000    | 1        |
| S2        | 1.2500       | 1.2504      | .000       | .030    | .14088 | .001    | 1        |
| S3        | 2.5000       | 2.4609      | -.039      | -1.56   | .27695 | .000    | 1        |
| S4        | 5.0000       | 4.9767      | -.023      | -.467   | .55974 | .001    | 1        |
| S5        | 10.000       | 10.062      | .062       | .620    | 1.1314 | .001    | 1        |



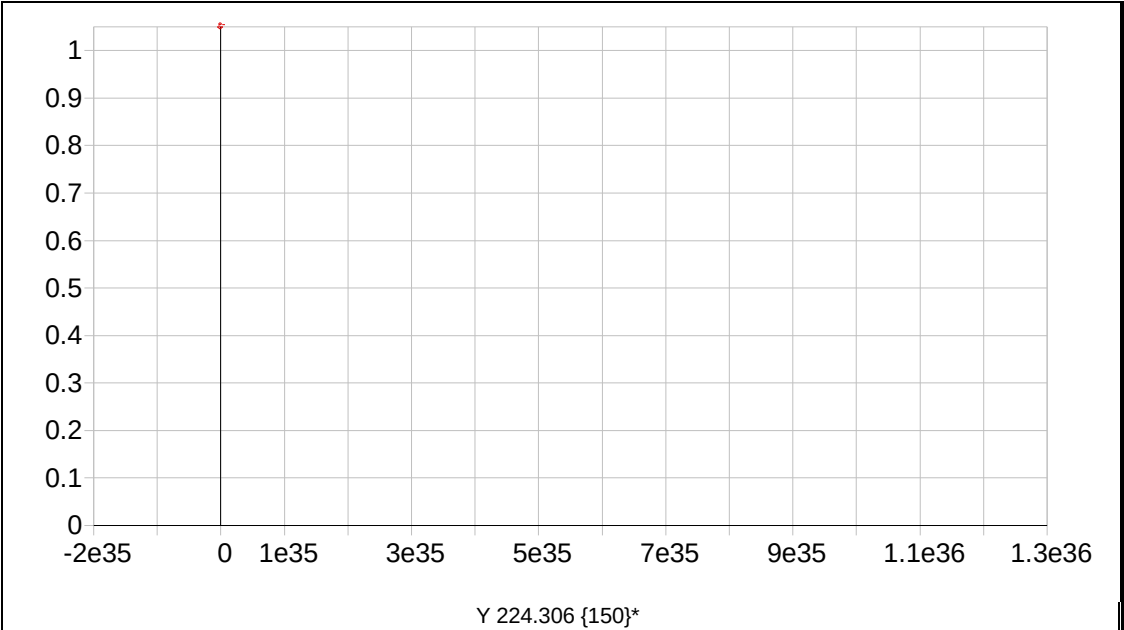


Li 670.784 { 50}

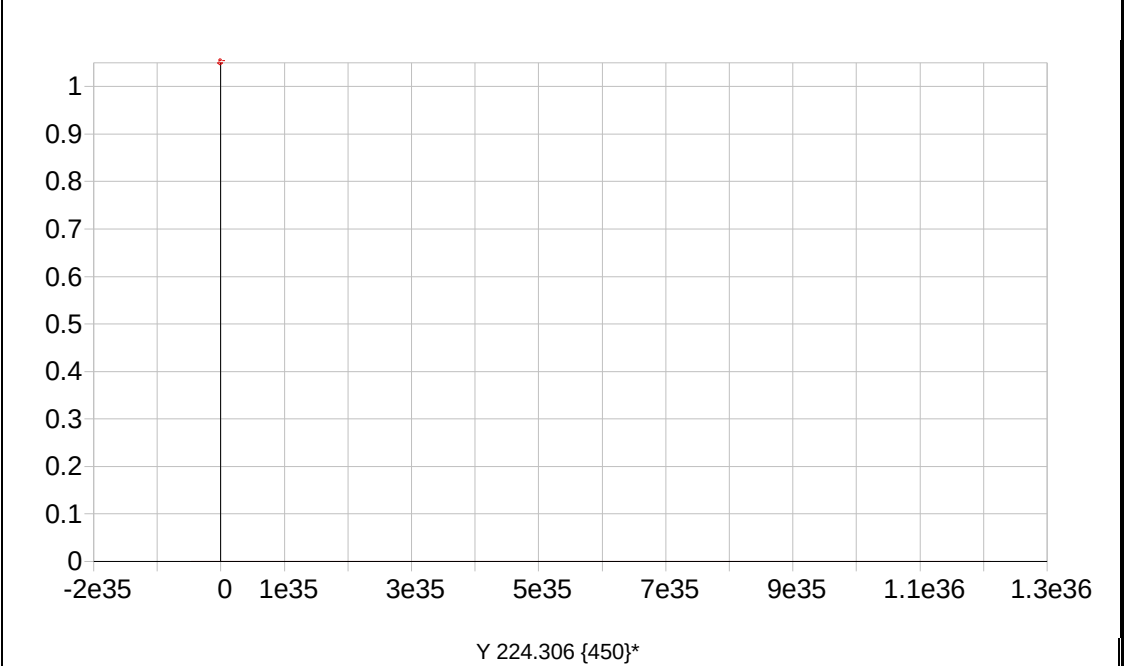
Date of Fit: 10/17/2018 13:38:09 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.023361 Re-Slope: 1.000000  
 A1 (Gain): 1.242884 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999844 Status: OK.  
 Std Error of Est: 0.000820  
 Predicted MDL: 0.001979  
 Predicted MQL: 0.006597

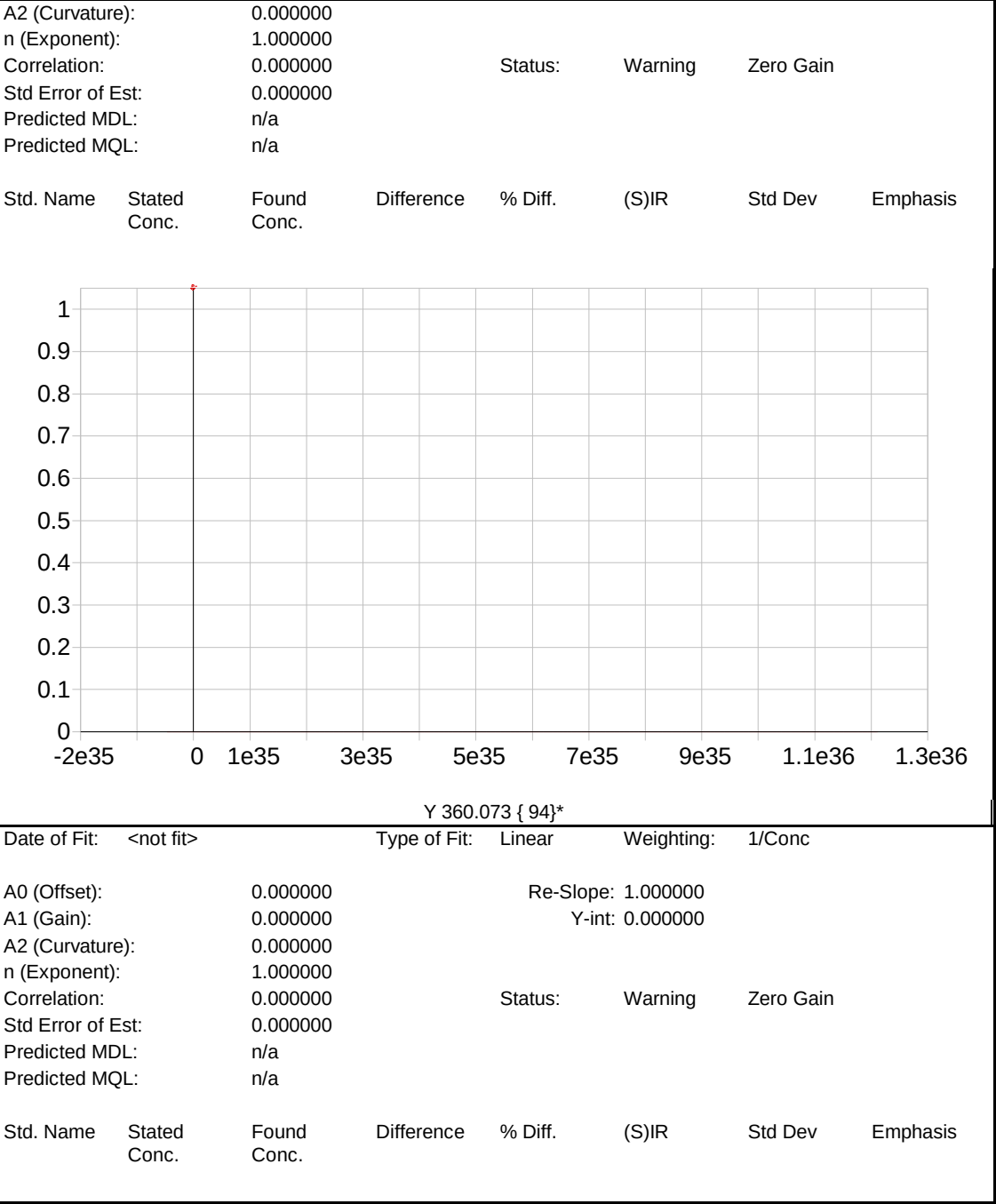
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .02337 | .000    | 1        |
| S5        | 10.000       | 10.154      | .154       | 1.54    | 12.574 | .025    | 1        |
| S4        | 5.0000       | 4.9382      | -.062      | -1.24   | 6.1260 | .013    | 1        |
| S3        | 2.5000       | 2.4218      | -.078      | -3.13   | 3.0158 | .006    | 1        |
| S2        | 1.2500       | 1.2379      | -.012      | -.968   | 1.5532 | .004    | 1        |
| S1        | .05000       | .04782      | -.002      | -4.37   | .08267 | .002    | 1        |

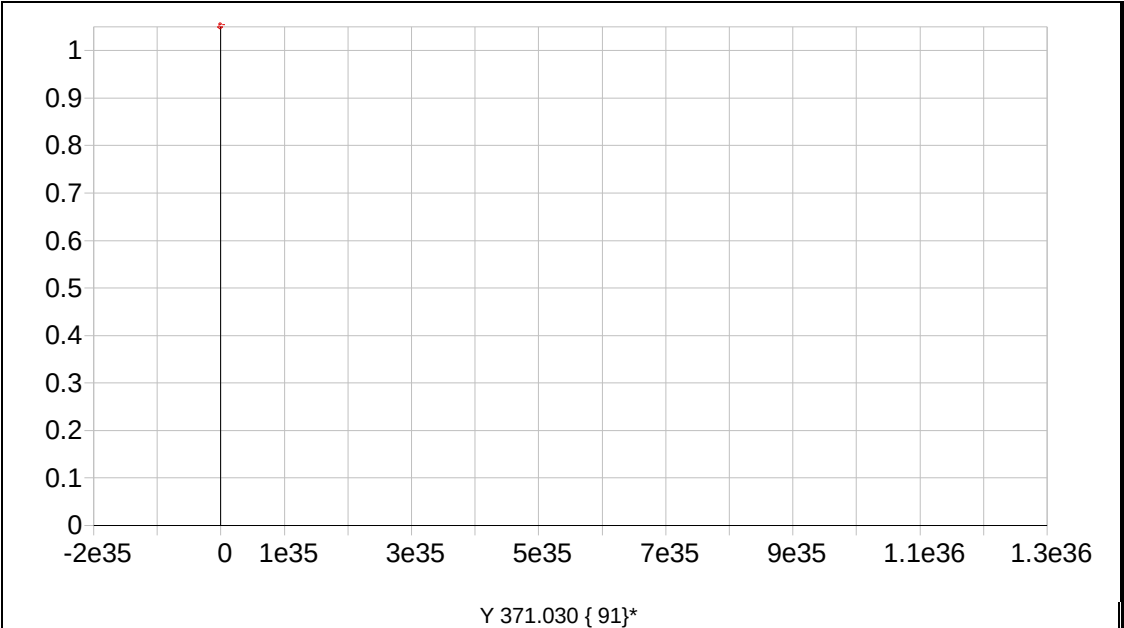


| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



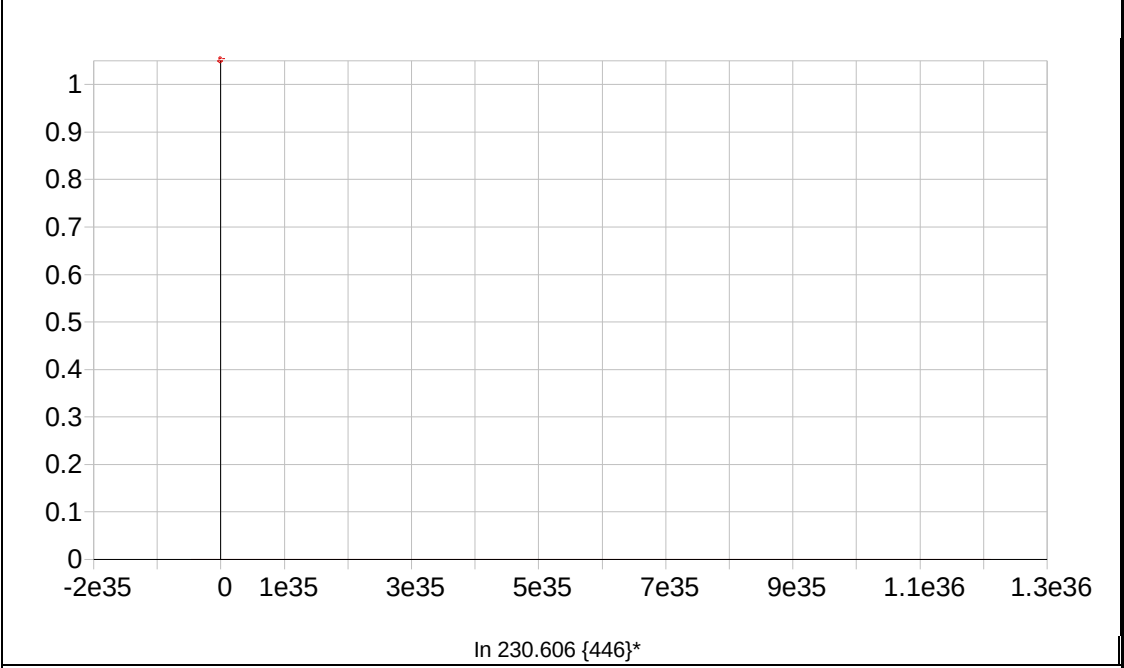




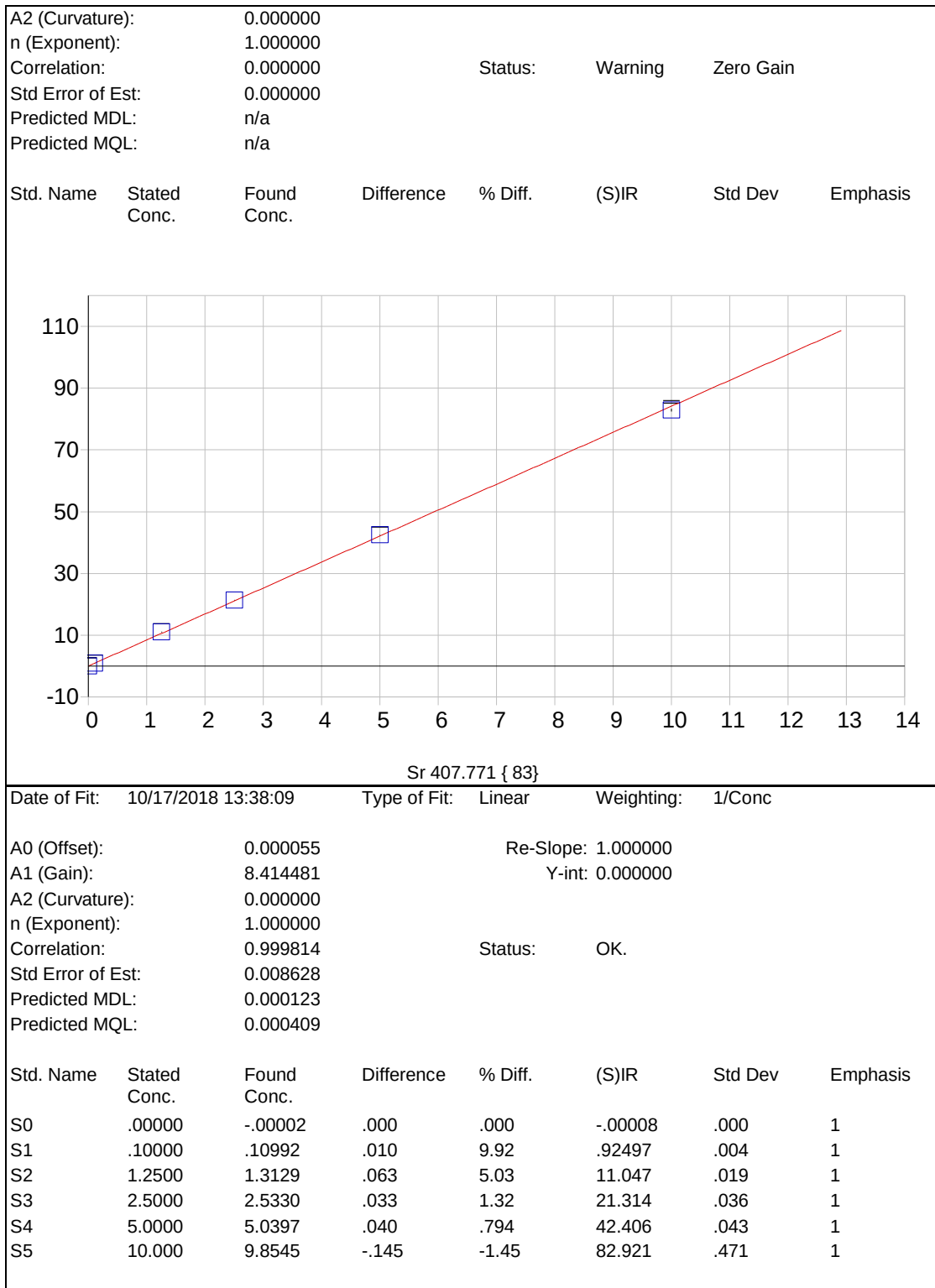


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

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



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



Sample Name: S0      Acquired: 10/17/2018 13:01:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | -.00043 | -.00063 | -.00006 | .00071 | .00056 | .00382 | .01937 | -.00316 |
| Stddev | .00015  | .00006  | .00006  | .00028 | .00030 | .00093 | .00061 | .00028  |
| %RSD   | 34.685  | 8.9445  | 100.60  | 39.375 | 54.734 | 24.278 | 3.1712 | 8.8544  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00041 | -.00068 | -.00005 | .00039 | .00020 | .00319 | .01872 | -.00310 |
| #2 | -.00059 | -.00057 | -.00013 | .00081 | .00073 | .00338 | .01947 | -.00347 |
| #3 | -.00030 | -.00062 | -.00001 | .00092 | .00073 | .00488 | .01993 | -.00292 |

|        |        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598  | Mn2576  | Mg2790  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S   |
| Avg    | .00042 | .00230 | .00001 | .00027 | .00158 | -.00003 | -.00007 | -.00014 |
| Stddev | .00023 | .00074 | .00003 | .00010 | .00011 | .00009  | .00007  | .00031  |
| %RSD   | 54.817 | 32.146 | 297.59 | 37.228 | 6.8206 | 290.22  | 96.132  | 220.87  |

|    |        |        |         |        |        |         |         |         |
|----|--------|--------|---------|--------|--------|---------|---------|---------|
| #1 | .00048 | .00276 | .00005  | .00027 | .00159 | -.00013 | -.00013 | .00003  |
| #2 | .00017 | .00269 | -.00001 | .00037 | .00168 | .00004  | -.00009 | .00005  |
| #3 | .00061 | .00145 | .00000  | .00017 | .00147 | -.00001 | .00000  | -.00050 |

|        |         |         |        |         |         |        |         |        |
|--------|---------|---------|--------|---------|---------|--------|---------|--------|
| 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    | -.00196 | -.00085 | .00259 | -.00029 | -.00028 | .02949 | -.00100 | .00405 |
| Stddev | .00009  | .00006  | .00285 | .00006  | .00004  | .00118 | .00014  | .00053 |
| %RSD   | 4.5996  | 7.6256  | 110.00 | 19.563  | 15.498  | 4.0127 | 13.785  | 13.008 |

|    |         |         |        |         |         |        |         |        |
|----|---------|---------|--------|---------|---------|--------|---------|--------|
| #1 | -.00205 | -.00091 | .00075 | -.00036 | -.00026 | .03059 | -.00100 | .00464 |
| #2 | -.00187 | -.00078 | .00586 | -.00025 | -.00025 | .02824 | -.00114 | .00386 |
| #3 | -.00196 | -.00086 | .00115 | -.00028 | -.00033 | .02965 | -.00086 | .00364 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00077 | .00033 | .00829 | .00033 | .00197 | .02337 | -.00008 |  |
| Stddev | .00007 | .00003 | .00029 | .00017 | .00013 | .00033 | .00004  |  |
| %RSD   | 9.4506 | 9.2535 | 3.4909 | 51.848 | 6.6023 | 1.4054 | 57.251  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00085 | .00033 | .00796 | .00034 | .00202 | .02336 | -.00011 |  |
| #2 | .00073 | .00029 | .00848 | .00050 | .00183 | .02304 | -.00009 |  |
| #3 | .00072 | .00035 | .00844 | .00015 | .00208 | .02370 | -.00003 |  |

Sample Name: S0      Acquired: 10/17/2018 13:01:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2212.8 | 2455.7 | 50099. | 4718.3 | 3636.9 |
| Stddev    | 6.1    | 1.2    | 46.    | 48.9   | 5.2    |
| %RSD      | .27503 | .04834 | .09137 | 1.0372 | .14361 |
| #1        | 2219.4 | 2455.7 | 50148. | 4693.9 | 3636.6 |
| #2        | 2207.4 | 2456.9 | 50058. | 4686.4 | 3631.9 |
| #3        | 2211.7 | 2454.5 | 50089. | 4774.7 | 3642.3 |

Sample Name: S1      Acquired: 10/17/2018 13:05:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00003 | .00131 | .00159 | .00354 | .01276 | .01962 | .77762 | .04824 |
| Stddev | .00025 | .00007 | .00035 | .00026 | .00019 | .00054 | .00442 | .00044 |
| %RSD   | 975.46 | 5.0031 | 22.299 | 7.4742 | 1.4680 | 2.7542 | .56788 | .90675 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00006 | .00138 | .00199 | .00342 | .01288 | .02023 | .77254 | .04782 |
| #2 | -.00017 | .00125 | .00131 | .00336 | .01285 | .01922 | .78054 | .04869 |
| #3 | .00031  | .00129 | .00146 | .00384 | .01254 | .01941 | .77978 | .04822 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01557 | .15843 | .00183 | .03379 | .00438 | .00128 | .00219 | .02292 |
| Stddev | .00011 | .00156 | .00003 | .00043 | .00059 | .00019 | .00019 | .00049 |
| %RSD   | .68219 | .98602 | 1.4550 | 1.2619 | 13.405 | 15.107 | 8.5895 | 2.1462 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01546 | .15771 | .00183 | .03377 | .00462 | .00106 | .00219 | .02242 |
| #2 | .01556 | .15735 | .00185 | .03337 | .00480 | .00136 | .00200 | .02294 |
| #3 | .01568 | .16022 | .00180 | .03422 | .00371 | .00142 | .00238 | .02340 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .02513 | .00114 | .04136 | .00316 | .00100 | .17800 | .01292 | .01036 |
| Stddev | .00019 | .00007 | .00074 | .00053 | .00054 | .00046 | .00011 | .00063 |
| %RSD   | .76700 | 6.0406 | 1.7999 | 16.751 | 53.904 | .25990 | .82088 | 6.0660 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02516 | .00119 | .04168 | .00274 | .00042 | .17765 | .01289 | .00972 |
| #2 | .02493 | .00117 | .04051 | .00376 | .00110 | .17853 | .01304 | .01098 |
| #3 | .02531 | .00106 | .04188 | .00299 | .00149 | .17784 | .01283 | .01040 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .01015 | .01395 | .06194 | .00110 | .02458 | .08267 | .92497 |  |
| Stddev | .00024 | .00010 | .00059 | .00005 | .00021 | .00206 | .00426 |  |
| %RSD   | 2.3917 | .74045 | .95031 | 4.4569 | .84483 | 2.4947 | .46078 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .01012 | .01407 | .06204 | .00105 | .02446 | .08029 | .92088 |  |
| #2 | .00993 | .01389 | .06130 | .00112 | .02482 | .08367 | .92464 |  |
| #3 | .01041 | .01389 | .06247 | .00114 | .02446 | .08404 | .92938 |  |

Sample Name: S1      Acquired: 10/17/2018 13:05:49      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2209.2 | 2458.7 | 50170. | 4745.8 | 3675.6 |
| Stddev    | 10.0   | 2.9    | 349.   | 10.4   | 4.0    |
| %RSD      | .45405 | .11739 | .69661 | .21824 | .10910 |
| #1        | 2198.5 | 2457.3 | 49799. | 4738.4 | 3676.1 |
| #2        | 2210.7 | 2462.1 | 50493. | 4757.7 | 3679.3 |
| #3        | 2218.4 | 2456.8 | 50218. | 4741.4 | 3671.3 |

Sample Name: S2      Acquired: 10/17/2018 13:09:59      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .04509 | .09070 | 1.0395 | .10807 | .24636 | 2.9848 | 9.0136 | 1.2389 |
| Stddev | .00011 | .00010 | .0021  | .00045 | .00062 | .0088  | .0114  | .0022  |
| %RSD   | .24881 | .10649 | .19942 | .42063 | .25100 | .29388 | .12618 | .17326 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04497 | .09073 | 1.0396 | .10828 | .24612 | 2.9878 | 9.0047 | 1.2367 |
| #2 | .04511 | .09059 | 1.0374 | .10755 | .24706 | 2.9749 | 9.0095 | 1.2410 |
| #3 | .04520 | .09078 | 1.0415 | .10838 | .24590 | 2.9917 | 9.0264 | 1.2389 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.8123 | 1.8468 | .61540 | .41438 | .46853 | .40523 | .47881 | .28032 |
| Stddev | .0032  | .0037  | .00082 | .00075 | .00329 | .00222 | .00019 | .00074 |
| %RSD   | .17917 | .20236 | .13354 | .18092 | .70199 | .54706 | .03898 | .26301 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8101 | 1.8447 | .61573 | .41438 | .46695 | .40580 | .47897 | .28036 |
| #2 | 1.8107 | 1.8447 | .61601 | .41363 | .47232 | .40279 | .47887 | .27956 |
| #3 | 1.8160 | 1.8511 | .61446 | .41513 | .46634 | .40711 | .47861 | .28103 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .39439 | .05945 | .29127 | .03539 | .08240 | 1.1251 | .03770 | .76685 |
| Stddev | .00115 | .00012 | .00195 | .00066 | .00149 | .0058  | .00037 | .00294 |
| %RSD   | .29152 | .19809 | .67080 | 1.8620 | 1.8092 | .51566 | .96998 | .38338 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .39335 | .05956 | .28922 | .03525 | .08333 | 1.1184 | .03790 | .76384 |
| #2 | .39420 | .05945 | .29311 | .03481 | .08318 | 1.1279 | .03728 | .76699 |
| #3 | .39562 | .05933 | .29148 | .03610 | .08068 | 1.1290 | .03792 | .76971 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.1157 | .03669 | .71124 | .14088 | .28194 | 1.5532 | 11.047 |  |
| Stddev | .0019  | .00005 | .00335 | .00063 | .00126 | .0036  | .019   |  |
| %RSD   | .16707 | .13745 | .47124 | .44904 | .44711 | .22904 | .17335 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.1141 | .03663 | .70748 | .14058 | .28088 | 1.5539 | 11.058 |  |
| #2 | 1.1152 | .03672 | .71392 | .14046 | .28162 | 1.5493 | 11.025 |  |
| #3 | 1.1178 | .03673 | .71233 | .14161 | .28333 | 1.5563 | 11.059 |  |



Sample Name: S2      Acquired: 10/17/2018 13:09:59      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2181.4 | 2394.4 | 50510. | 4778.2 | 3503.6 |
| Stddev    | 9.5    | 4.2    | 161.   | 9.8    | 10.5   |
| %RSD      | .43532 | .17652 | .31869 | .20554 | .30022 |
| #1        | 2170.5 | 2391.9 | 50324. | 4789.4 | 3499.3 |
| #2        | 2186.9 | 2399.3 | 50596. | 4774.2 | 3515.6 |
| #3        | 2186.9 | 2392.1 | 50609. | 4771.1 | 3495.9 |

Sample Name: S3      Acquired: 10/17/2018 13:13:52      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .08941 | .17577 | 2.0270 | .20933 | .47823 | 5.7522 | 17.547 | 2.3859 |
| Stddev | .00014 | .00036 | .0007  | .00099 | .00125 | .0083  | .033   | .0173  |
| %RSD   | .15144 | .20398 | .03322 | .47120 | .26065 | .14338 | .18821 | .72509 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08926 | .17546 | 2.0273 | .20836 | .47724 | 5.7555 | 17.583 | 2.4036 |
| #2 | .08952 | .17616 | 2.0274 | .21033 | .47963 | 5.7428 | 17.539 | 2.3691 |
| #3 | .08946 | .17568 | 2.0262 | .20931 | .47782 | 5.7582 | 17.519 | 2.3851 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.5065 | 3.5317 | 1.1683 | .80978 | .89537 | .77426 | .91426 | .54369 |
| Stddev | .0005  | .0072  | .0019  | .00037 | .00233 | .00127 | .00393 | .00210 |
| %RSD   | .01495 | .20419 | .16562 | .04607 | .25982 | .16381 | .42944 | .38591 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5062 | 3.5386 | 1.1664 | .80990 | .89635 | .77544 | .91852 | .54579 |
| #2 | 3.5071 | 3.5242 | 1.1703 | .81009 | .89704 | .77292 | .91078 | .54159 |
| #3 | 3.5062 | 3.5324 | 1.1682 | .80937 | .89271 | .77442 | .91348 | .54368 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .76666 | .11795 | .55517 | .06856 | .16005 | 2.1789 | .32460 | 1.5080 |
| Stddev | .00036 | .00018 | .00533 | .00082 | .00047 | .0068  | .00062 | .0077  |
| %RSD   | .04641 | .14988 | .95978 | 1.1925 | .29643 | .31337 | .19010 | .51248 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76628 | .11801 | .56126 | .06928 | .15997 | 2.1866 | .32412 | 1.5153 |
| #2 | .76698 | .11775 | .55284 | .06873 | .16056 | 2.1739 | .32530 | 1.4999 |
| #3 | .76673 | .11809 | .55140 | .06767 | .15962 | 2.1761 | .32439 | 1.5088 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 2.1716 | .31043 | 1.3385 | .27695 | .54026 | 3.0158 | 21.314 |  |
| Stddev | .0019  | .00065 | .0067  | .00048 | .00232 | .0059  | .036   |  |
| %RSD   | .08894 | .20943 | .50198 | .17313 | .42892 | .19391 | .16765 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.1695 | .30968 | 1.3444 | .27729 | .54099 | 3.0219 | 21.355 |  |
| #2 | 2.1734 | .31086 | 1.3312 | .27715 | .53767 | 3.0102 | 21.298 |  |
| #3 | 2.1719 | .31075 | 1.3400 | .27640 | .54213 | 3.0155 | 21.289 |  |

Sample Name: S3      Acquired: 10/17/2018 13:13:52      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2135.0 | 2321.7 | 50355. | 4765.6 | 3359.3 |
| Stddev    | 4.6    | 1.8    | 114.   | 35.4   | 2.2    |
| %RSD      | .21351 | .07780 | .22580 | .74239 | .06406 |
| #1        | 2132.5 | 2319.9 | 50318. | 4725.4 | 3358.7 |
| #2        | 2132.2 | 2323.5 | 50263. | 4792.1 | 3361.7 |
| #3        | 2140.3 | 2321.7 | 50482. | 4779.2 | 3357.5 |

Sample Name: S4      Acquired: 10/17/2018 13:17:42      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .18119 | .34513 | 4.0818 | .40010 | .96159 | 11.580 | 35.162 | 4.6504 |
| Stddev | .00037 | .00103 | .0113  | .00023 | .00274 | .027   | .052   | .0128  |
| %RSD   | .20489 | .29745 | .27663 | .05652 | .28493 | .23251 | .14741 | .27593 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18149 | .34631 | 4.0849 | .40028 | .96124 | 11.605 | 35.214 | 4.6651 |
| #2 | .18131 | .34467 | 4.0693 | .40018 | .95905 | 11.585 | 35.160 | 4.6411 |
| #3 | .18078 | .34441 | 4.0912 | .39985 | .96449 | 11.552 | 35.111 | 4.6452 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 6.9597 | 7.0407 | 2.2807 | 1.6236 | 1.7700 | 1.5190 | 1.7941 | 1.0942 |
| Stddev | .0159  | .0369  | .0045  | .0044  | .0043  | .0097  | .0153  | .0056  |
| %RSD   | .22839 | .52405 | .19734 | .27281 | .23991 | .63937 | .85405 | .50826 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.9664 | 7.0828 | 2.2858 | 1.6266 | 1.7728 | 1.5298 | 1.8116 | 1.1004 |
| #2 | 6.9415 | 7.0250 | 2.2773 | 1.6185 | 1.7721 | 1.5163 | 1.7832 | 1.0926 |
| #3 | 6.9711 | 7.0142 | 2.2791 | 1.6257 | 1.7651 | 1.5110 | 1.7874 | 1.0896 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.5339 | .23929 | 1.1124 | .13418 | .32127 | 4.4125 | 1.5835 | 2.9992 |
| Stddev | .0043  | .00039 | .0046  | .00064 | .00262 | .0155  | .0024  | .0102  |
| %RSD   | .28343 | .16496 | .41758 | .47917 | .81438 | .35133 | .15162 | .34119 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5355 | .23974 | 1.1177 | .13489 | .32326 | 4.4294 | 1.5845 | 3.0063 |
| #2 | 1.5289 | .23900 | 1.1092 | .13364 | .32225 | 4.3990 | 1.5808 | 2.9875 |
| #3 | 1.5372 | .23913 | 1.1102 | .13402 | .31831 | 4.4092 | 1.5853 | 3.0039 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 4.3811 | 1.5737 | 2.6107 | .55974 | 1.0713 | 6.1260 | 42.406 |  |
| Stddev | .0087  | .0027  | .0134  | .00111 | .0026  | .0127  | .043   |  |
| %RSD   | .19886 | .16863 | .51396 | .19800 | .24123 | .20734 | .10118 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 4.3776 | 1.5734 | 2.6238 | .56006 | 1.0735 | 6.1405 | 42.431 |  |
| #2 | 4.3746 | 1.5711 | 2.5970 | .55851 | 1.0718 | 6.1168 | 42.431 |  |
| #3 | 4.3910 | 1.5764 | 2.6114 | .56065 | 1.0685 | 6.1208 | 42.357 |  |

Sample Name: S4      Acquired: 10/17/2018 13:17:42      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2035.3 | 2183.4 | 49139. | 4651.9 | 3129.9 |
| Stddev    | 10.7   | 3.0    | 279.   | 34.0   | 8.1    |
| %RSD      | .52698 | .13526 | .56769 | .73153 | .25808 |
| #1        | 2026.2 | 2181.6 | 48826. | 4612.6 | 3122.1 |
| #2        | 2032.8 | 2186.8 | 49233. | 4673.3 | 3138.3 |
| #3        | 2047.1 | 2181.7 | 49359. | 4669.6 | 3129.2 |

Sample Name: S5      Acquired: 10/17/2018 13:21:33      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .37716 | .67408 | 8.2193 | .79218 | 1.9993 | 23.478 | 70.051 | 8.9462 |
| Stddev | .00072 | .00078 | .0099  | .00170 | .0045  | .047   | .451   | .0178  |
| %RSD   | .19131 | .11584 | .12047 | .21459 | .22270 | .20015 | .64365 | .19912 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .37633 | .67421 | 8.2151 | .79280 | 1.9988 | 23.506 | 70.339 | 8.9668 |
| #2 | .37745 | .67324 | 8.2123 | .79026 | 1.9951 | 23.504 | 70.283 | 8.9352 |
| #3 | .37768 | .67478 | 8.2307 | .79348 | 2.0040 | 23.424 | 69.532 | 8.9367 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 13.808 | 13.870 | 4.4382 | 3.2569 | 3.5107 | 2.9314 | 3.4658 | 2.1802 |
| Stddev | .023   | .048   | .0045  | .0057  | .0097  | .0085  | .0121  | .0060  |
| %RSD   | .16502 | .34631 | .10079 | .17668 | .27653 | .28873 | .34800 | .27499 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.799 | 13.902 | 4.4400 | 3.2537 | 3.5187 | 2.9383 | 3.4778 | 2.1869 |
| #2 | 13.791 | 13.894 | 4.4415 | 3.2533 | 3.5135 | 2.9338 | 3.4660 | 2.1782 |
| #3 | 13.834 | 13.815 | 4.4331 | 3.2635 | 3.4999 | 2.9219 | 3.4537 | 2.1754 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.0543 | .48844 | 2.2313 | .26489 | .66032 | 8.9747 | 2.7519 | 5.9064 |
| Stddev | .0042  | .00207 | .0038  | .00077 | .00465 | .0281  | .0046  | .0116  |
| %RSD   | .13607 | .42339 | .16861 | .28952 | .70455 | .31279 | .16839 | .19552 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0519 | .49079 | 2.2343 | .26543 | .66344 | 8.9862 | 2.7480 | 5.9190 |
| #2 | 3.0520 | .48692 | 2.2271 | .26523 | .65497 | 8.9951 | 2.7507 | 5.9037 |
| #3 | 3.0591 | .48759 | 2.2325 | .26401 | .66255 | 8.9427 | 2.7571 | 5.8964 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 9.0307 | 2.8572 | 5.0610 | 1.1314 | 2.1137 | 12.574 | 82.921 |  |
| Stddev | .0112  | .0057  | .0149  | .0009  | .0040  | .025   | .471   |  |
| %RSD   | .12447 | .20041 | .29505 | .08230 | .18666 | .19802 | .56794 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 9.0224 | 2.8565 | 5.0777 | 1.1311 | 2.1176 | 12.595 | 82.852 |  |
| #2 | 9.0262 | 2.8518 | 5.0488 | 1.1307 | 2.1138 | 12.581 | 83.422 |  |
| #3 | 9.0435 | 2.8632 | 5.0565 | 1.1324 | 2.1097 | 12.546 | 82.488 |  |

Sample Name: S5      Acquired: 10/17/2018 13:21:33      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1915.6 | 2008.2 | 48426. | 4650.4 | 2903.7 |
| Stddev    | 3.0    | 1.0    | 122.   | 11.5   | .4     |
| %RSD      | .15801 | .05129 | .25156 | .24793 | .01328 |
| #1        | 1912.4 | 2008.6 | 48415. | 4644.7 | 2904.1 |
| #2        | 1918.3 | 2007.0 | 48310. | 4642.9 | 2903.4 |
| #3        | 1916.2 | 2009.0 | 48553. | 4663.7 | 2903.5 |

Sample Name: S6      Acquired: 10/17/2018 13:25:33      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S06      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 63.666 | 22.576 | 7.9268 | 3.6872 | 6.1370 |
| Stddev | .163   | .095   | .0216  | .0156  | .0288  |
| %RSD   | .25663 | .42146 | .27274 | .42282 | .46910 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 63.641 | 22.522 | 7.9121 | 3.6736 | 6.1318 |
| #2 | 63.517 | 22.520 | 7.9167 | 3.6838 | 6.1112 |
| #3 | 63.840 | 22.686 | 7.9516 | 3.7042 | 6.1681 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 4536.6 |
| Stddev    | 19.1   |
| %RSD      | .42029 |

|    |        |
|----|--------|
| #1 | 4558.4 |
| #2 | 4523.0 |
| #3 | 4528.4 |



Sample Name: ICV      Acquired: 10/17/2018 13:29:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9682401 | 1.065869 | .9748203 | 1.003373 | .9479207 | 2.367682 | .5174608 |
| Stddev | .0019452 | .005687  | .0020551 | .001229  | .0016530 | .015936  | .0014429 |
| %RSD   | .2008966 | .5335430 | .2108197 | .1225287 | .1743847 | .6730424 | .2788393 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9662802 | 1.070287 | .9771882 | 1.002179 | .9462006 | 2.355813 | .5176571 |
| #2 | .9701702 | 1.067869 | .9735010 | 1.004635 | .9494973 | 2.385794 | .5159299 |
| #3 | .9682698 | 1.059453 | .9737717 | 1.003304 | .9480641 | 2.361441 | .5187955 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5059546 | .5150470 | 10.46714 | .5201361 | .5091313 | .5387382 | 5.433750 |
| Stddev | .0043571 | .0007964 | .03858   | .0016680 | .0010032 | .0029065 | .038449  |
| %RSD   | .8611727 | .1546332 | .3685825 | .3206881 | .1970487 | .5395070 | .7076026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5041034 | .5149459 | 10.42311 | .5206852 | .5097774 | .5359181 | 5.417998 |
| #2 | .5028288 | .5143060 | 10.49501 | .5182628 | .5079756 | .5385724 | 5.405677 |
| #3 | .5109317 | .5158892 | 10.48331 | .5214604 | .5096410 | .5417240 | 5.477574 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5266427 | 5.863386 | .5230855 | .4829290 | 10.00143 | .5356934 | 1.035994 |
| Stddev | .0028140 | .208417  | .0008925 | .0030487 | .23273   | .0140474 | .014322  |
| %RSD   | .5343325 | 3.554545 | .1706190 | .6313014 | 2.326985 | 2.622283 | 1.382404 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5261158 | 6.008884 | .5240416 | .4853486 | 9.89774  | .5450833 | 1.049316 |
| #2 | .5241294 | 5.624624 | .5222744 | .4795047 | 10.26799 | .5424529 | 1.020848 |
| #3 | .5296829 | 5.956651 | .5229404 | .4839336 | 9.83857  | .5195441 | 1.037818 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.880712 | 49.05531 | 4.935723 | 4.865998 | 48.26340 | 4.814066 | 4.997489 |
| Stddev | .102207  | .01903   | .039775  | .007383  | .09594   | .045745  | .008878  |
| %RSD   | 1.034410 | .0387890 | .8058675 | .1517337 | .1987811 | .9502281 | .1776552 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.810593 | 49.03815 | 4.921316 | 4.865304 | 48.15282 | 4.789692 | 4.998014 |
| #2 | 9.833559 | 49.05202 | 4.905159 | 4.858986 | 48.32450 | 4.785670 | 4.988360 |
| #3 | 9.997983 | 49.07577 | 4.980695 | 4.873704 | 48.31287 | 4.866837 | 5.006093 |

Sample Name: ICV      Acquired: 10/17/2018 13:29:41      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.193063 | .0168086 | .0121499 |
| Stddev | .006548  | .0011554 | .0000484 |
| %RSD   | .1260953 | 6.874148 | .3985559 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.188068 | .0154793 | .0122058 |
| #2 | 5.200476 | .0175723 | .0121206 |
| #3 | 5.190644 | .0173743 | .0121232 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2227.467 | 2466.114 | 51191.93 | 4834.186 | 3675.189 |
| Stddev    | 19.011   | 6.222    | 365.49   | 10.734   | 10.986   |
| %RSD      | .8534850 | .2523030 | .7139557 | .2220348 | .2989172 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2218.015 | 2460.815 | 50877.74 | 4821.892 | 3663.709 |
| #2 | 2215.035 | 2472.965 | 51105.02 | 4838.975 | 3685.602 |
| #3 | 2249.352 | 2464.562 | 51593.05 | 4841.692 | 3676.257 |

Sample Name: ICB      Acquired: 10/17/2018 13:40:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000162 | .0003570 | -.002013 | -.002991 | .0002479 | -.011633 | -.002784 |
| Stddev | .004181  | .0012898 | .000299  | .001573  | .0007209 | .010500  | .000558  |
| %RSD   | 2573.569 | 361.2636 | 14.83146 | 52.60969 | 290.8229 | 90.26155 | 20.03967 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .003274  | .0012349 | -.002322 | -.002615 | -.000342 | -.006970 | -.002706 |
| #2 | .001057  | -.001124 | -.001726 | -.004718 | .000034  | -.004272 | -.002269 |
| #3 | -.004818 | .000960  | -.001991 | -.001639 | .001051  | -.023657 | -.003377 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000006 | .0000530 | -.018989 | .0000152 | -.000079 | -.004826 | .0324403 |
| Stddev | .000089  | .0000502 | .017415  | .0001642 | .000301  | .003532  | .0221960 |
| %RSD   | 1484.342 | 94.74347 | 91.71125 | 1077.284 | 379.1040 | 73.18640 | 68.42109 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000082  | .0000677 | -.030773 | -.000120 | -.000411 | -.006395 | .0452363 |
| #2 | -.000096 | -.000003 | .001015  | -.000032 | .000177  | -.007303 | .0452740 |
| #3 | -.000003 | .000094  | -.027210 | .000198  | -.000005 | -.000782 | .0068106 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006511 | -.012006 | .0005814 | -.000202 | .0244994 | .0050356 | -.006401 |
| Stddev | .0009412 | .039664  | .0004486 | .000065  | .3149179 | .0012647 | .014593  |
| %RSD   | 144.5402 | 330.3624 | 77.15595 | 32.42072 | 1285.412 | 25.11507 | 227.9927 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017292 | .017515  | .0000641 | -.000130 | -.299644 | .0056207 | -.023196 |
| #2 | .0002314 | -.057092 | .0008177 | -.000218 | .043841  | .0035843 | .000825  |
| #3 | -.000007 | .003558  | .0008624 | -.000258 | .329301  | .0059018 | .003170  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0464813 | -.000545 | .0139930 | -.000106 | .0005305 | .0040440 | -.000113 |
| Stddev | .0415176 | .002017  | .0013910 | .000133  | .0020392 | .0006993 | .001143  |
| %RSD   | 89.32106 | 369.9825 | 9.940827 | 125.6546 | 384.3512 | 17.29140 | 1012.952 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0245465 | -.002859 | .0147950 | -.000228 | .0028850 | .0041252 | .000570  |
| #2 | .0205318 | .000843  | .0147972 | .000036  | -.000672 | .0033076 | .000524  |
| #3 | .0943657 | .000380  | .0123868 | -.000126 | -.000621 | .0046991 | -.001432 |

Sample Name: ICB      Acquired: 10/17/2018 13:40:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002918 | .0001867 | -.000033 |
| Stddev | .001280  | .0005502 | .000169  |
| %RSD   | 43.88414 | 294.6610 | 508.3560 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.004378 | .0003381 | -.000146 |
| #2 | -.002387 | .0006454 | -.000114 |
| #3 | -.001988 | -.000423 | .000161  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2197.903 | 2465.280 | 50165.55 | 4840.608 | 3642.884 |
| Stddev    | 13.018   | 2.797    | 326.57   | 14.826   | 6.302    |
| %RSD      | .5922765 | .1134487 | .6509912 | .3062877 | .1729835 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2192.937 | 2464.542 | 50168.17 | 4851.925 | 3638.106 |
| #2 | 2188.099 | 2468.372 | 49837.67 | 4846.075 | 3650.026 |
| #3 | 2212.672 | 2462.926 | 50490.81 | 4823.825 | 3640.520 |

Sample Name: ICSA      Acquired: 10/17/2018 13:44:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.009836 | .0044614 | -.004635 | -.015115 | .0041350 | 248.1684 |
| Stddev | .002719  | .0033325 | .003995  | .003570  | .0033629 | 1.1060   |
| %RSD   | 27.63954 | 74.69671 | 86.18305 | 23.61784 | 81.32742 | .4456756 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.006716 | .0064760 | -.007771 | -.018862 | .0005029 | 247.8098 |
| #2 | -.011096 | .0062935 | -.005996 | -.014730 | .0071405 | 247.2861 |
| #3 | -.011696 | .0006148 | -.000138 | -.011753 | .0047617 | 249.4092 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0036022 | .0007896 | -.000071 | 260.9481 | .0521878 | .0026832 |
| Stddev | .0008194 | .0000143 | .000110  | 1.8906   | .0003820 | .0001195 |
| %RSD   | 22.74676 | 1.811491 | 153.4729 | .7244963 | .7319849 | 4.452557 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0026640 | .0008027 | -.000137 | 260.4728 | .0518766 | .0026403 |
| #2 | .0041770 | .0007918 | -.000133 | 259.3405 | .0520726 | .0028182 |
| #3 | .0039657 | .0007744 | .000055  | 263.0309 | .0526141 | .0025911 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0081455 | 104.7642 | .0139270 | 262.1875 | .0021984 | -.000151 |
| Stddev | .0038103 | .6432    | .0010326 | 1.7013   | .0007878 | .000360  |
| %RSD   | 46.77838 | .6139086 | 7.414050 | .6488754 | 35.83627 | 238.6352 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0037872 | 104.6810 | .0132804 | 261.5379 | .0025659 | .000260  |
| #2 | .0108468 | 104.1667 | .0151179 | 260.9067 | .0027354 | -.000301 |
| #3 | .0098026 | 105.4449 | .0133828 | 264.1178 | .0012940 | -.000411 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 3.049650 | .0031231 | -.011226 | .6613929 | -.003546 | F .0573741 |
| Stddev | .242063  | .0038657 | .008884  | .0483652 | .003719  | .0006954   |
| %RSD   | 7.937399 | 123.7764 | 79.13414 | 7.312634 | 104.8946 | 1.212059   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.225135 | .0075508 | -.018670 | .6641103 | -.000404 | .0567327 |
| #2 | 3.150317 | .0004187 | -.013617 | .7083422 | -.007653 | .0581132 |
| #3 | 2.773498 | .0013999 | -.001392 | .6117263 | -.002581 | .0572765 |

Sample Name: ICSA      Acquired: 10/17/2018 13:44:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014730 | .0125250 | .0000187 | -.004010 | -.005037 | .0091340 |
| Stddev | .0004807 | .0027690 | .0015315 | .002664  | .002524  | .0009099 |
| %RSD   | 32.63182 | 22.10767 | 8194.971 | 66.42166 | 50.11953 | 9.961109 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0013290 | .0096915 | .0016332 | -.004446 | -.006075 | .0094145 |
| #2 | .0010807 | .0152247 | -.001414 | -.001155 | -.002159 | .0081169 |
| #3 | .0020091 | .0126588 | -.000164 | -.006429 | -.006876 | .0098706 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1071338 |
| Stddev | .0002793 |
| %RSD   | .2607196 |

|    |          |
|----|----------|
| #1 | .1073461 |
| #2 | .1068174 |
| #3 | .1072378 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2106.851 | 2310.114 | 49342.88 | 4749.534 | 3249.699 |
| Stddev    | 8.238    | .133     | 126.60   | 35.634   | 1.655    |
| %RSD      | .3910173 | .0057504 | .2565789 | .7502595 | .0509284 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2116.071 | 2310.266 | 49375.75 | 4743.938 | 3251.509 |
| #2 | 2104.266 | 2310.022 | 49449.80 | 4787.635 | 3248.263 |
| #3 | 2100.215 | 2310.054 | 49203.08 | 4717.029 | 3249.324 |

Sample Name: ICSAB      Acquired: 10/17/2018 13:48:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0892866 | .1138465 | .0458825 | .0339228 | .6190915 | 249.8981 |
| Stddev | .0033148 | .0023382 | .0012750 | .0025086 | .0035138 | .3777    |
| %RSD   | 3.712521 | 2.053800 | 2.778834 | 7.394927 | .5675712 | .1511565 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0922692 | .1151407 | .0452078 | .0355670 | .6191386 | 249.7376 |
| #2 | .0857178 | .1152513 | .0450866 | .0310355 | .6225815 | 250.3296 |
| #3 | .0898727 | .1111473 | .0473531 | .0351661 | .6155544 | 249.6271 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5445951 | .5246228 | 1.049164 | 264.0845 | .5795000 | .5311111 |
| Stddev | .0008601 | .0036258 | .001514  | 1.4736   | .0020569 | .0014929 |
| %RSD   | .1579383 | .6911314 | .1442651 | .5580221 | .3549411 | .2810851 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5451995 | .5218486 | 1.047607 | 262.7429 | .5813916 | .5312417 |
| #2 | .5436104 | .5287255 | 1.049257 | 265.6618 | .5797981 | .5325343 |
| #3 | .5449755 | .5232942 | 1.050630 | 263.8489 | .5773104 | .5295572 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5396150 | 106.2736 | .5457804 | 264.5708 | 1.064054 | .1944414 |
| Stddev | .0015280 | .6125    | .0040928 | 1.5144   | .002264  | .0000769 |
| %RSD   | .2831643 | .5763575 | .7498941 | .5723854 | .2127894 | .0395482 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5413524 | 105.7707 | .5424518 | 263.3214 | 1.061983 | .1943549 |
| #2 | .5384800 | 106.9557 | .5445393 | 266.2550 | 1.066472 | .1945022 |
| #3 | .5390126 | 106.0944 | .5503501 | 264.1359 | 1.063709 | .1944669 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4012332 | .5466185 | 1.067749 | -.214312 | .0027863 | F .0737149 |
| Stddev | .2533492 | .0094536 | .031667  | .032960  | .0012388 | .0018891   |
| %RSD   | 63.14263 | 1.729463 | 2.965728 | 15.37942 | 44.46075 | 2.562729   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6522974 | .5453450 | 1.064302 | -.216265 | .0023143 | .0716861 |
| #2 | .4057431 | .5566443 | 1.037946 | -.180419 | .0041918 | .0754234 |
| #3 | .1456592 | .5378663 | 1.100997 | -.246252 | .0018529 | .0740351 |

Sample Name: ICSAB      Acquired: 10/17/2018 13:48:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0211746 | .0117970 | .0192997 | F .0151535 | .0167328 | .0054056 |
| Stddev | .0002494   | .0056314 | .0004238 | .0006863   | .0019366 | .0023178 |
| %RSD   | 1.177874   | 47.73640 | 2.196072 | 4.529326   | 11.57371 | 42.87861 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0208871 | .0128190 | .0188223 | .0150309 | .0160950 | .0078906 |
| #2 | .0213026 | .0168474 | .0194452 | .0145368 | .0151954 | .0050235 |
| #3 | .0213339 | .0057245 | .0196317 | .0158929 | .0189078 | .0033025 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1083846 |
| Stddev | .0002682 |
| %RSD   | .2474679 |

|    |          |
|----|----------|
| #1 | .1082526 |
| #2 | .1086932 |
| #3 | .1082079 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2127.938 | 2311.320 | 49435.90 | 4785.943 | 3250.725 |
| Stddev    | 14.192   | 3.471    | 131.90   | 21.631   | 6.963    |
| %RSD      | .6669442 | .1501709 | .2668115 | .4519658 | .2142073 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2111.812 | 2308.865 | 49283.83 | 4788.170 | 3250.662 |
| #2 | 2138.526 | 2309.805 | 49504.51 | 4763.285 | 3243.794 |
| #3 | 2133.476 | 2315.291 | 49519.35 | 4806.374 | 3257.720 |



Sample Name: CCV071      Acquired: 10/17/2018 13:52:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV071      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.877761 | 4.956927 | 24.94665 | 4.727133 | 4.919408 | 412.4125 | 10.13115 |
| Stddev | .012048  | .008878  | .05348   | .010691  | .004780  | 1.1867   | .02511   |
| %RSD   | .2469933 | .1791087 | .2143662 | .2261685 | .0971568 | .2877501 | .2478412 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.883017 | 4.947036 | 24.93367 | 4.733439 | 4.924607 | 412.9505 | 10.14048 |
| #2 | 4.863979 | 4.959538 | 24.90086 | 4.714789 | 4.915205 | 411.0521 | 10.10271 |
| #3 | 4.886288 | 4.964207 | 25.00543 | 4.733171 | 4.918412 | 413.2350 | 10.15026 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4979577 | 2.496634 | 400.5202 | 15.04552 | 2.539908 | 15.24511 | 415.6963 |
| Stddev | .0022438 | .005916  | 1.6212   | .01367   | .003210  | .09639   | 2.1566   |
| %RSD   | .4506024 | .2369585 | .4047693 | .0908610 | .1263753 | .6322935 | .5187810 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5004293 | 2.494943 | 402.0145 | 15.06111 | 2.538121 | 15.26624 | 417.7858 |
| #2 | .4960487 | 2.491747 | 398.7965 | 15.03990 | 2.537989 | 15.13991 | 413.4784 |
| #3 | .4973951 | 2.503211 | 400.7497 | 15.03556 | 2.543614 | 15.32919 | 415.8245 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.94787 | 423.5696 | 2.528869 | 1.284466 | 411.1569 | 2.499117 | 15.13944 |
| Stddev | .08070   | 1.6830   | .005680  | .001354  | .7767    | .005419  | .04614   |
| %RSD   | .5398871 | .3973320 | .2246259 | .1054258 | .1888983 | .2168256 | .3047448 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.00557 | 425.2979 | 2.529018 | 1.282902 | 411.1276 | 2.505101 | 15.17806 |
| #2 | 14.85565 | 421.9360 | 2.523116 | 1.285230 | 410.3952 | 2.497707 | 15.08835 |
| #3 | 14.98239 | 423.4748 | 2.534474 | 1.285265 | 411.9477 | 2.494542 | 15.15191 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 154.8116 | 49.88864 | 5.086228 | 4.876990 | 48.72467 | 4.989582 | 5.037298 |
| Stddev | .7837    | .09463   | .022651  | .012080  | .17340   | .019860  | .010475  |
| %RSD   | .5062487 | .1896915 | .4453351 | .2476868 | .3558787 | .3980253 | .2079552 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 154.9175 | 49.89886 | 5.102601 | 4.877907 | 48.59142 | 5.007675 | 5.037822 |
| #2 | 153.9803 | 49.78931 | 5.060378 | 4.864478 | 48.66187 | 4.968333 | 5.026570 |
| #3 | 155.5371 | 49.97775 | 5.095704 | 4.888585 | 48.92072 | 4.992738 | 5.047501 |

Sample Name: CCV071      Acquired: 10/17/2018 13:52:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV071      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.019268 | 5.153681 | 5.080382 |
| Stddev | .016807  | .007929  | .013193  |
| %RSD   | .3348550 | .1538542 | .2596789 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.034768 | 5.151025 | 5.084801 |
| #2 | 5.001404 | 5.147421 | 5.065547 |
| #3 | 5.021633 | 5.162597 | 5.090798 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1989.391 | 2121.614 | 48650.61 | 4697.836 | 2944.802 |
| Stddev    | 4.491    | 7.138    | 108.23   | 13.461   | 5.296    |
| %RSD      | .2257590 | .3364471 | .2224616 | .2865371 | .1798505 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1989.882 | 2114.518 | 48618.99 | 4688.537 | 2939.839 |
| #2 | 1993.617 | 2128.794 | 48771.12 | 4713.272 | 2950.378 |
| #3 | 1984.674 | 2121.531 | 48561.70 | 4691.700 | 2944.188 |

Sample Name: CCB071      Acquired: 10/17/2018 13:56:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB071      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011920 | .0013285 | -.000662 | -.001787 | -.000291 | -.001521 | -.001802 |
| Stddev | .0021085 | .0006017 | .000986  | .001916  | .000691  | .012368  | .000394  |
| %RSD   | 176.8828 | 45.29318 | 149.0187 | 107.2252 | 237.5211 | 813.0906 | 21.85461 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001242 | .0007616 | -.000280 | -.000330 | -.000114 | .003163  | -.001896 |
| #2 | .002440  | .0012641 | .000076  | -.003958 | .000295  | .007821  | -.001369 |
| #3 | .002378  | .0019599 | -.001782 | -.001074 | -.001053 | -.015547 | -.002139 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000238 | .0000133 | -.010750 | .0000704 | -.000012 | -.000896 | .0189372 |
| Stddev | .0000138 | .0000641 | .013012  | .0005464 | .000313  | .000335  | .0195205 |
| %RSD   | 57.88278 | 482.9559 | 121.0422 | 776.1332 | 2616.800 | 37.40012 | 103.0802 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000133 | .0000678 | -.011740 | .0006917 | .000349  | -.000910 | .0356342 |
| #2 | .0000187 | .0000293 | .002729  | -.000145 | -.000170 | -.000554 | .0237019 |
| #3 | .0000394 | -.000057 | -.023239 | -.000335 | -.000215 | -.001223 | -.002525 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023043 | -.051210 | -.000029 | -.000360 | -.020356 | .0052943 | -.006836 |
| Stddev | .0011525 | .042414  | .000504  | .000231  | .153913  | .0047138 | .013586  |
| %RSD   | 50.01731 | 82.82262 | 1736.115 | 64.32802 | 756.0860 | 89.03611 | 198.7310 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011785 | -.024930 | -.000543 | -.000627 | -.197751 | .0044172 | .008147  |
| #2 | .0034818 | -.100141 | .000464  | -.000233 | .058981  | .0010806 | -.018354 |
| #3 | .0022525 | -.028560 | -.000008 | -.000219 | .077700  | .0103850 | -.010301 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1617714 | -.000159 | .0169086 | .0000735 | .0008952 | -.000523 | .0007922 |
| Stddev | .0291240 | .004204  | .0014636 | .0003990 | .0022964 | .000875  | .0011463 |
| %RSD   | 18.00319 | 2652.131 | 8.655872 | 542.6043 | 256.5234 | 167.1767 | 144.6927 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1369437 | .001804  | .0184874 | -.000212 | .0024286 | -.000228 | .0004502 |
| #2 | .1938296 | .002705  | .0166413 | .000529  | .0020019 | -.001507 | .0020706 |
| #3 | .1545410 | -.004985 | .0155971 | -.000097 | -.001745 | .000166  | -.000144 |

Sample Name: CCB071      Acquired: 10/17/2018 13:56:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB071      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001031 | .0031448 | -.000000 |
| Stddev | .002369  | .0018321 | .000095  |
| %RSD   | 229.8795 | 58.25804 | 21205.50 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.003756 | .0044955 | -.000054 |
| #2 | .000131  | .0038795 | -.000057 |
| #3 | .000534  | .0010594 | .000109  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2206.064 | 2453.639 | 50333.22 | 4828.475 | 3634.841 |
| Stddev    | 6.882    | 5.525    | 151.91   | 18.143   | 2.773    |
| %RSD      | .3119681 | .2251652 | .3018063 | .3757510 | .0762984 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2209.491 | 2448.236 | 50210.49 | 4840.175 | 3637.935 |
| #2 | 2210.560 | 2453.404 | 50503.12 | 4837.675 | 3632.578 |
| #3 | 2198.142 | 2459.278 | 50286.05 | 4807.575 | 3634.010 |

Sample Name: J5385-19      Acquired: 10/17/2018 14:00:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0355681 | .0003305 | .0185224 | -.006032 | .0005203 | 17.94563 | .3087048 |
| Stddev | .0046223 | .0024984 | .0017542 | .001609  | .0006820 | .03372   | .0006822 |
| %RSD   | 12.99553 | 755.9200 | 9.470913 | 26.67449 | 131.0886 | .1878982 | .2209956 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0339703 | -.000509 | .0183564 | -.007138 | .0007673 | 17.90694 | .3084404 |
| #2 | .0319567 | .003141  | .0168571 | -.004186 | .0010444 | 17.96874 | .3094797 |
| #3 | .0407772 | -.001640 | .0203538 | -.006773 | -.000251 | 17.96122 | .3081943 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013125 | .0000433 | 16.27721 | .0158429 | .0244275 | .0470571 | 52.15214 |
| Stddev | .0000821 | .0000801 | .08585   | .0005485 | .0002269 | .0014841 | .30653   |
| %RSD   | 6.253034 | 184.7626 | .5274260 | 3.462200 | .9287683 | 3.153788 | .5877527 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013365 | .0001156 | 16.36497 | .0153343 | .0246774 | .0453677 | 51.96472 |
| #2 | .0012211 | -.000043 | 16.27326 | .0157702 | .0243708 | .0476524 | 52.50588 |
| #3 | .0013798 | .000057  | 16.19341 | .0164241 | .0242344 | .0481510 | 51.98583 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.200998 | 9.292101 | .0229825 | -.000058 | .8455642 | .1312558 | .0883283 |
| Stddev | .002097  | .226267  | .0002233 | .000457  | .0109088 | .0068431 | .0082229 |
| %RSD   | .1745772 | 2.435052 | .9716411 | 786.9965 | 1.290127 | 5.213529 | 9.309459 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.202115 | 9.106192 | .0227606 | -.000069 | .8557160 | .1262924 | .0788987 |
| #2 | 1.202301 | 9.544038 | .0232072 | -.000510 | .8469466 | .1284130 | .0940060 |
| #3 | 1.198580 | 9.226075 | .0229797 | .000404  | .8340300 | .1390621 | .0920803 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.309398 | 4.815203 | .0402638 | .0014940 | .3959470 | 4.504651 | .0008594 |
| Stddev | .062506  | .024120  | .0018569 | .0001751 | .0010592 | .022479  | .0005346 |
| %RSD   | 1.888741 | .5009230 | 4.611911 | 11.72143 | .2675052 | .4990243 | 62.21293 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.372025 | 4.806485 | .0396021 | .0013640 | .3966531 | 4.506912 | .0002447 |
| #2 | 3.247014 | 4.796654 | .0423609 | .0016931 | .3964587 | 4.525914 | .0012160 |
| #3 | 3.309156 | 4.842471 | .0388284 | .0014248 | .3947291 | 4.481127 | .0011175 |

Sample Name: J5385-19      Acquired: 10/17/2018 14:00:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK78      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.049063 | .0140136 | .1528852 |
| Stddev | .002045  | .0007594 | .0003728 |
| %RSD   | .1949561 | 5.419216 | .2438592 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.049079 | .0132084 | .1526341 |
| #2 | 1.047009 | .0141156 | .1527079 |
| #3 | 1.051099 | .0147169 | .1533136 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2343.920 | 2593.566 | 53921.00 | 5213.225 | 3721.860 |
| Stddev    | 9.036    | 7.011    | 214.52   | 13.550   | 9.999    |
| %RSD      | .3855037 | .2703243 | .3978496 | .2599194 | .2686624 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2345.236 | 2600.471 | 54067.79 | 5218.275 | 3730.470 |
| #2 | 2352.225 | 2593.774 | 54020.41 | 5197.875 | 3724.218 |
| #3 | 2334.298 | 2586.453 | 53674.81 | 5223.525 | 3710.892 |

Sample Name: J5385-20      Acquired: 10/17/2018 14:05:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0850376 | .0102884 | .1144697 | -.025001 | .0051717 | 118.5981 | 1.956983 |
| Stddev | .0002703 | .0017128 | .0019605 | .001710  | .0003993 | .1966    | .001848  |
| %RSD   | .3179013 | 16.64836 | 1.712677 | 6.840466 | 7.720547 | .1657425 | .0944385 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0847438 | .0091117 | .1164694 | -.023030 | .0053884 | 118.3925 | 1.955219 |
| #2 | .0850932 | .0122535 | .1143886 | -.025895 | .0054158 | 118.6176 | 1.956825 |
| #3 | .0852759 | .0095000 | .1125510 | -.026080 | .0047109 | 118.7842 | 1.958906 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0103239 | .0004299 | 50.15520 | .0998455 | .1130320 | .3033526 | 213.3935 |
| Stddev | .0000749 | .0000921 | .23332   | .0005442 | .0004660 | .0041307 | 1.3126   |
| %RSD   | .7252700 | 21.42574 | .4652003 | .5450856 | .4122331 | 1.361685 | .6150986 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0103520 | .0005272 | 49.90545 | .1004631 | .1133768 | .3016273 | 211.9540 |
| #2 | .0102390 | .0003441 | 50.19255 | .0994357 | .1125019 | .3080663 | 213.7025 |
| #3 | .0103806 | .0004183 | 50.36759 | .0996379 | .1132173 | .3003643 | 214.5240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.821259 | 51.17237 | .1376032 | .0013600 | 2.911293 | .4091199 | .4771574 |
| Stddev | .051081  | .30543   | .0005768 | .0003338 | .170622  | .0074917 | .0063225 |
| %RSD   | .5790622 | .5968702 | .4191992 | 24.54824 | 5.860700 | 1.831181 | 1.325026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.782616 | 50.86395 | .1382633 | .0014613 | 3.059730 | .4004718 | .4701094 |
| #2 | 8.801990 | 51.17844 | .1373503 | .0009872 | 2.724884 | .4132611 | .4790325 |
| #3 | 8.879172 | 51.47473 | .1371961 | .0016314 | 2.949266 | .4136268 | .4823301 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.46113 | 6.674969 | .1377456 | .0016805 | .9735632 | 19.34575 | .0059765 |
| Stddev | .10446   | .031636  | .0032520 | .0002744 | .0032899 | .06161   | .0002184 |
| %RSD   | .4270266 | .4739543 | 2.360837 | 16.32965 | .3379218 | .3184685 | 3.655024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.34153 | 6.657081 | .1348287 | .0016345 | .9767397 | 19.27530 | .0060449 |
| #2 | 24.50743 | 6.656328 | .1371561 | .0014319 | .9701706 | 19.37238 | .0061526 |
| #3 | 24.53443 | 6.711497 | .1412519 | .0019750 | .9737792 | 19.38956 | .0057321 |

Sample Name: J5385-20      Acquired: 10/17/2018 14:05:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.108616 | .1348948 | .7213234 |
| Stddev | .008488  | .0024431 | .0013500 |
| %RSD   | .2730478 | 1.811127 | .1871505 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.100546 | .1346037 | .7197666 |
| #2 | 3.107835 | .1326102 | .7221698 |
| #3 | 3.117468 | .1374704 | .7220338 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2533.341 | 2786.636 | 58974.59 | 5679.762 | 3543.190 |
| Stddev    | 7.429    | 5.402    | 195.88   | 6.315    | 1.959    |
| %RSD      | .2932542 | .1938432 | .3321456 | .1111855 | .0552800 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2525.919 | 2784.554 | 58752.82 | 5687.014 | 3542.834 |
| #2 | 2540.777 | 2782.584 | 59046.99 | 5676.798 | 3545.303 |
| #3 | 2533.327 | 2792.768 | 59123.98 | 5675.474 | 3541.435 |



Sample Name: J5385-21      Acquired: 10/17/2018 14:09:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK79D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0843407 | .0123824 | .1148761 | -.023089 | .0046227 | 119.4527 | 1.998167 |
| Stddev | .0011091 | .0020129 | .0029476 | .004307  | .0014552 | .3036    | .001768  |
| %RSD   | 1.315011 | 16.25595 | 2.565900 | 18.65417 | 31.47957 | .2541187 | .0885015 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0842899 | .0100592 | .1142766 | -.028039 | .0063013 | 119.5710 | 2.000202 |
| #2 | .0854743 | .0134818 | .1180774 | -.020197 | .0038475 | 119.1078 | 1.997000 |
| #3 | .0832579 | .0136061 | .1122744 | -.021032 | .0037191 | 119.6793 | 1.997298 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0105451 | .0006192 | 50.40327 | .1013498 | .1149965 | .3092973 | 215.5440 |
| Stddev | .0000685 | .0000699 | .34305   | .0006114 | .0005112 | .0028844 | .7273    |
| %RSD   | .6500627 | 11.28797 | .6806161 | .6032288 | .4445747 | .9325537 | .3374465 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105882 | .0006948 | 50.36519 | .1014092 | .1144184 | .3059683 | 216.0367 |
| #2 | .0105810 | .0006058 | 50.08085 | .1007109 | .1153893 | .3110496 | 214.7086 |
| #3 | .0104660 | .0005569 | 50.76378 | .1019293 | .1151817 | .3108740 | 215.8867 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.974861 | 51.51864 | .1390189 | .0015038 | 2.942136 | .4126020 | .4806956 |
| Stddev | .057814  | .13833   | .0007099 | .0004615 | .150362  | .0038027 | .0100716 |
| %RSD   | .6441781 | .2685071 | .5106270 | 30.69109 | 5.110652 | .9216435 | 2.095211 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.950839 | 51.47236 | .1382831 | .0015535 | 2.920316 | .4163550 | .4805144 |
| #2 | 8.932930 | 51.40937 | .1390742 | .0010195 | 2.803876 | .4126993 | .4707158 |
| #3 | 9.040813 | 51.67417 | .1396996 | .0019386 | 3.102216 | .4087515 | .4908566 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.66005 | 6.757235 | .1389096 | .0016458 | .9848147 | 19.60108 | .0064402 |
| Stddev | .06337   | .017193  | .0013750 | .0001707 | .0041934 | .17006   | .0010005 |
| %RSD   | .2569743 | .2544420 | .9898644 | 10.36896 | .4258034 | .8676267 | 15.53549 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.71576 | 6.739126 | .1374478 | .0016468 | .9878609 | 19.78603 | .0073875 |
| #2 | 24.59111 | 6.759244 | .1401772 | .0014747 | .9800321 | 19.45146 | .0065394 |
| #3 | 24.67328 | 6.773336 | .1391037 | .0018160 | .9865512 | 19.56575 | .0053938 |

Sample Name: J5385-21      Acquired: 10/17/2018 14:09:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK79D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.108153 | .1369778 | .7288140 |
| Stddev | .010309  | .0009659 | .0033487 |
| %RSD   | .3316839 | .7051458 | .4594711 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.117348 | .1370330 | .7319672 |
| #2 | 3.097008 | .1359855 | .7291757 |
| #3 | 3.110103 | .1379149 | .7252992 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2519.904 | 2774.545 | 58707.24 | 5623.294 | 3520.977 |
| Stddev    | 4.231    | 6.652    | 128.06   | 38.491   | 6.317    |
| %RSD      | .1679209 | .2397679 | .2181287 | .6844961 | .1794114 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2522.523 | 2767.730 | 58725.23 | 5581.797 | 3515.262 |
| #2 | 2522.166 | 2781.022 | 58571.15 | 5657.829 | 3527.760 |
| #3 | 2515.022 | 2774.882 | 58825.36 | 5630.256 | 3519.908 |

Sample Name: J5385-22      Acquired: 10/17/2018 14:13:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK79S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1548266 | .1176659 | .1551685 | .0678045 | .1965274 | 121.4480 | 6.166888 |
| Stddev | .0016717 | .0007503 | .0030155 | .0020659 | .0022163 | .0519    | .008930  |
| %RSD   | 1.079750 | .6376556 | 1.943384 | 3.046863 | 1.127746 | .0427086 | .1448137 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1532248 | .1176596 | .1539098 | .0654224 | .1990139 | 121.4796 | 6.177200 |
| #2 | .1565605 | .1169187 | .1529862 | .0691052 | .1958088 | 121.3881 | 6.161665 |
| #3 | .1546945 | .1184193 | .1586094 | .0688860 | .1947596 | 121.4762 | 6.161799 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1060715 | .1102208 | 49.94741 | .5041550 | 1.249448 | .8296986 | 215.0023 |
| Stddev | .0007100 | .0001824 | .17620   | .0010101 | .001874  | .0032615 | .4706    |
| %RSD   | .6693878 | .1654997 | .3527775 | .2003455 | .1500039 | .3930912 | .2188957 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1063316 | .1100666 | 50.07165 | .5030986 | 1.247330 | .8313530 | 214.6472 |
| #2 | .1052681 | .1104222 | 49.74575 | .5051113 | 1.250890 | .8259414 | 214.8235 |
| #3 | .1066148 | .1101738 | 50.02482 | .5042551 | 1.250126 | .8318013 | 215.5361 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.873640 | 50.64439 | 1.285623 | .0951449 | 2.868550 | 1.430264 | 1.499401 |
| Stddev | .033528  | .28354   | .002060  | .0008142 | .077462  | .000981  | .009023  |
| %RSD   | .3395709 | .5598604 | .1602146 | .8557413 | 2.700375 | .0685914 | .6017409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.852076 | 50.56588 | 1.283275 | .0944099 | 2.849471 | 1.431237 | 1.489347 |
| #2 | 9.856575 | 50.40839 | 1.287126 | .0960201 | 2.953768 | 1.429275 | 1.502062 |
| #3 | 9.912267 | 50.95892 | 1.286468 | .0950046 | 2.802410 | 1.430281 | 1.506794 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.41972 | 57.50840 | 1.017299 | .8983675 | 50.42465 | 16.67580 | .0060839 |
| Stddev | .17467   | .12853   | .006245  | .0013050 | .04389   | .10778   | .0013112 |
| %RSD   | .7152854 | .2234987 | .6138791 | .1452643 | .0870341 | .6463303 | 21.55188 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.35553 | 57.40747 | 1.024509 | .8998742 | 50.45821 | 16.71387 | .0051131 |
| #2 | 24.28623 | 57.46463 | 1.013614 | .8975923 | 50.37499 | 16.55415 | .0075755 |
| #3 | 24.61741 | 57.65310 | 1.013773 | .8976361 | 50.44076 | 16.75937 | .0055632 |

Sample Name: J5385-22      Acquired: 10/17/2018 14:13:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK79S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.993175 | .1361785 | .7179043 |
| Stddev | .002569  | .0007762 | .0010105 |
| %RSD   | .0858303 | .5699603 | .1407553 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.995130 | .1370400 | .7189808 |
| #2 | 2.994129 | .1355338 | .7169762 |
| #3 | 2.990265 | .1359617 | .7177557 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2473.926 | 2717.276 | 57622.10 | 5563.796 | 3478.025 |
| Stddev    | 4.650    | 3.562    | 62.34    | 44.140   | 6.435    |
| %RSD      | .1879544 | .1310796 | .1081870 | .7933508 | .1850265 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2475.952 | 2713.431 | 57664.32 | 5549.705 | 3484.182 |
| #2 | 2468.606 | 2717.935 | 57651.47 | 5613.262 | 3471.343 |
| #3 | 2477.218 | 2720.463 | 57550.50 | 5528.422 | 3478.550 |

Sample Name: J5319-06DLX2      Acquired: 10/17/2018 14:21:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACG0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0549603 | .0287031 | 1.190726 | -.019306 | .0022157 | 57.15053 | 1.565391 |
| Stddev | .0028483 | .0012880 | .005080  | .002042  | .0027627 | .07449   | .007053  |
| %RSD   | 5.182396 | 4.487477 | .4266425 | 10.57810 | 124.6909 | .1303397 | .4505641 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0559719 | .0290972 | 1.196162 | -.021412 | .0032657 | 57.07042 | 1.560585 |
| #2 | .0571646 | .0272640 | 1.186099 | -.017335 | .0042994 | 57.16345 | 1.562100 |
| #3 | .0517442 | .0297480 | 1.189916 | -.019171 | -.000918 | 57.21771 | 1.573488 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072140 | .0033712 | 70.97760 | .1545862 | .1282956 | .1335940 | 158.5068 |
| Stddev | .0000294 | .0001100 | .06266   | .0011220 | .0005121 | .0042020 | .4120    |
| %RSD   | .4079126 | 3.262887 | .0882829 | .7257766 | .3991901 | 3.145340 | .2599300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0071818 | .0032657 | 70.93632 | .1534361 | .1277438 | .1345423 | 158.9349 |
| #2 | .0072394 | .0034852 | 70.94679 | .1546449 | .1283874 | .1289990 | 158.4726 |
| #3 | .0072210 | .0033627 | 71.04971 | .1556777 | .1287556 | .1372409 | 158.1130 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.90375 | 36.68615 | .1529788 | .0012230 | .4475141 | .2225054 | .3021441 |
| Stddev | .07608   | .22407   | .0007920 | .0002952 | .1215320 | .0041755 | .0236180 |
| %RSD   | .2936950 | .6107783 | .5177371 | 24.14091 | 27.15714 | 1.876565 | 7.816813 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.97276 | 36.57102 | .1527897 | .0013613 | .4680595 | .2210444 | .3163358 |
| #2 | 25.91631 | 36.94438 | .1522985 | .0014237 | .3170189 | .2272151 | .3152165 |
| #3 | 25.82217 | 36.54305 | .1538483 | .0008840 | .5574638 | .2192568 | .2748800 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.526320 | 2.634641 | .0899029 | .0025835 | 2.162902 | 10.08854 | .0004240 |
| Stddev | .056692  | .009424  | .0021387 | .0005276 | .008286  | .04610   | .0016396 |
| %RSD   | 1.252488 | .3576879 | 2.378900 | 20.42118 | .3831008 | .4569220 | 386.7176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.571721 | 2.635107 | .0875725 | .0019849 | 2.172296 | 10.14171 | -.001146 |
| #2 | 4.462778 | 2.624992 | .0917759 | .0029808 | 2.156633 | 10.05967 | .002125  |
| #3 | 4.544460 | 2.643822 | .0903603 | .0027847 | 2.159777 | 10.06425 | .000293  |

Sample Name: J5319-06DLX2      Acquired: 10/17/2018 14:21:09      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACG0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6484146 | .0276937 | .0558378 |
| Stddev | .0009497 | .0011718 | .0002390 |
| %RSD   | .1464646 | 4.231191 | .4280315 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6479686 | .0289228 | .0556560 |
| #2 | .6477700 | .0265892 | .0557488 |
| #3 | .6495052 | .0275691 | .0561085 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2432.561 | 2669.636 | 56457.45 | 5471.006 | 3543.016 |
| Stddev    | 8.973    | 1.461    | 254.59   | 12.324   | 2.117    |
| %RSD      | .3688556 | .0547171 | .4509377 | .2252620 | .0597566 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2442.659 | 2669.616 | 56724.18 | 5462.682 | 3545.106 |
| #2 | 2425.504 | 2668.186 | 56431.11 | 5485.164 | 3543.069 |
| #3 | 2429.519 | 2671.107 | 56217.05 | 5465.171 | 3540.873 |

Sample Name: J5319-07DLX2      Acquired: 10/17/2018 14:25:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACG1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0328175 | .0156551 | 1.729213 | -.008765 | .0018938 | 42.36348 | 1.352831 |
| Stddev | .0026073 | .0005662 | .005401  | .000988  | .0009701 | .15458   | .001188  |
| %RSD   | 7.944818 | 3.616825 | .3123102 | 11.27757 | 51.22591 | .3648904 | .0877935 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0316700 | .0152672 | 1.735420 | -.009654 | .0029444 | 42.53286 | 1.353548 |
| #2 | .0309807 | .0153933 | 1.725594 | -.007700 | .0010319 | 42.23003 | 1.351460 |
| #3 | .0358017 | .0163049 | 1.726623 | -.008941 | .0017050 | 42.32754 | 1.353484 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0046298 | .0028061 | 27.98178 | .0483508 | .1412133 | .2190370 | 91.09274 |
| Stddev | .0000185 | .0001606 | .16100   | .0009457 | .0003670 | .0026173 | .58173   |
| %RSD   | .3995503 | 5.722020 | .5753890 | 1.955986 | .2598839 | 1.194924 | .6386076 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046224 | .0027169 | 28.15265 | .0472748 | .1416353 | .2166140 | 91.69208 |
| #2 | .0046162 | .0029915 | 27.83290 | .0487274 | .1410360 | .2186839 | 90.53039 |
| #3 | .0046509 | .0027100 | 27.95978 | .0490502 | .1409686 | .2218129 | 91.05576 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.18779 | 13.53162 | .1470707 | .0008919 | .2347732 | .1526660 | .3227933 |
| Stddev | .09919   | .08407   | .0010552 | .0001639 | .1586898 | .0055203 | .0202770 |
| %RSD   | .5770839 | .6212950 | .7175035 | 18.37740 | 67.59279 | 3.615901 | 6.281724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.28479 | 13.48968 | .1475538 | .0007053 | .4146667 | .1573809 | .3070640 |
| #2 | 17.08655 | 13.47677 | .1458604 | .0010126 | .1750126 | .1465936 | .3156381 |
| #3 | 17.19202 | 13.62841 | .1477979 | .0009578 | .1146404 | .1540235 | .3456779 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.370736 | 3.221007 | .0584370 | .0023904 | 2.467084 | 8.411117 | .0003531 |
| Stddev | .025249  | .001785  | .0012452 | .0002939 | .007933  | .061756  | .0015323 |
| %RSD   | .5776791 | .0554325 | 2.130904 | 12.29545 | .3215425 | .7342231 | 433.9688 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.346634 | 3.221653 | .0593533 | .0021922 | 2.474408 | 8.465455 | -.000622 |
| #2 | 4.396994 | 3.222380 | .0570192 | .0027281 | 2.458658 | 8.343956 | .002119  |
| #3 | 4.368581 | 3.218988 | .0589386 | .0022509 | 2.468186 | 8.423939 | -.000438 |

Sample Name: J5319-07DLX2      Acquired: 10/17/2018 14:25:12      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACG1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5793536 | .0160930 | .0371511 |
| Stddev | .0036549 | .0002666 | .0002715 |
| %RSD   | .6308635 | 1.656294 | .7308885 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5821607 | .0162979 | .0373867 |
| #2 | .5752208 | .0161894 | .0372125 |
| #3 | .5806792 | .0157916 | .0368542 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2428.044 | 2686.898 | 56302.38 | 5497.265 | 3664.410 |
| Stddev    | 8.810    | 7.588    | 139.79   | 35.749   | 7.966    |
| %RSD      | .3628259 | .2823970 | .2482914 | .6502996 | .2173975 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2433.089 | 2680.238 | 56461.47 | 5470.935 | 3655.971 |
| #2 | 2417.872 | 2685.297 | 56199.20 | 5537.962 | 3665.459 |
| #3 | 2433.172 | 2695.158 | 56246.46 | 5482.898 | 3671.800 |



Sample Name: J5319-15DLX2      Acquired: 10/17/2018 14:29:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACG7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0331461 | .0204017 | .6696381 | -.018019 | .0034623 | 72.61560 | 1.314588 |
| Stddev | .0007333 | .0015257 | .0029984 | .000315  | .0014902 | .10285   | .004695  |
| %RSD   | 2.212431 | 7.478524 | .4477668 | 1.749073 | 43.04041 | .1416402 | .3571425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0339555 | .0215453 | .6714499 | -.018340 | .0049795 | 72.69158 | 1.319717 |
| #2 | .0325258 | .0186693 | .6712873 | -.017710 | .0020007 | 72.49856 | 1.313546 |
| #3 | .0329571 | .0209905 | .6661771 | -.018008 | .0034068 | 72.65666 | 1.310503 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0079983 | .0025742 | 13.66978 | .1156199 | .1327781 | .1486697 | 158.2668 |
| Stddev | .0000906 | .0001253 | .07858   | .0005516 | .0007097 | .0065489 | .3149    |
| %RSD   | 1.132421 | 4.868508 | .5748726 | .4770592 | .5345312 | 4.405008 | .1989501 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0081026 | .0027182 | 13.71918 | .1162497 | .1323442 | .1558907 | 157.9049 |
| #2 | .0079520 | .0025147 | 13.71100 | .1152226 | .1323929 | .1470039 | 158.4169 |
| #3 | .0079402 | .0024897 | 13.57917 | .1153875 | .1335971 | .1431146 | 158.4784 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.97226 | 7.830699 | .1320396 | .0014084 | .2684318 | .2407118 | .2707675 |
| Stddev | .05669   | .078996  | .0001082 | .0002123 | .1969425 | .0037096 | .0132983 |
| %RSD   | .3154282 | 1.008797 | .0819273 | 15.07480 | 73.36781 | 1.541109 | 4.911349 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.90940 | 7.782591 | .1319680 | .0012068 | .3132883 | .2375406 | .2576516 |
| #2 | 18.01952 | 7.921869 | .1321640 | .0013885 | .0529303 | .2398037 | .2842411 |
| #3 | 17.98785 | 7.787637 | .1319866 | .0016300 | .4390769 | .2447912 | .2704099 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.712438 | 2.080826 | .0898942 | .0042570 | .6966147 | 6.088668 | .0033828 |
| Stddev | .066438  | .009100  | .0028668 | .0001260 | .0040118 | .027729  | .0012367 |
| %RSD   | 1.789611 | .4373224 | 3.189048 | 2.960314 | .5758943 | .4554166 | 36.55701 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.646309 | 2.077257 | .0869197 | .0041116 | .7010771 | 6.090549 | .0028597 |
| #2 | 3.711824 | 2.074051 | .0901234 | .0043342 | .6933065 | 6.115408 | .0024937 |
| #3 | 3.779181 | 2.091169 | .0926394 | .0043251 | .6954607 | 6.060047 | .0047951 |

Sample Name: J5319-15DLX2      Acquired: 10/17/2018 14:29:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACG7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6785622 | .0302691 | .0487896 |
| Stddev | .0049132 | .0012931 | .0001907 |
| %RSD   | .7240566 | 4.271938 | .3908392 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6836310 | .0315741 | .0486925 |
| #2 | .6738210 | .0302449 | .0486669 |
| #3 | .6782347 | .0289883 | .0490092 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2450.247 | 2725.611 | 56869.07 | 5496.455 | 3632.482 |
| Stddev    | 9.739    | 5.303    | 74.06    | 7.123    | 5.974    |
| %RSD      | .3974840 | .1945784 | .1302248 | .1295942 | .1644630 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2461.172 | 2723.180 | 56866.36 | 5497.208 | 3630.828 |
| #2 | 2447.096 | 2721.959 | 56944.45 | 5488.986 | 3627.509 |
| #3 | 2442.473 | 2731.695 | 56796.41 | 5503.172 | 3639.109 |

Sample Name: PB113897BL      Acquired: 10/17/2018 14:33:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000724 | .0006478 | -.001406 | -.002314 | -.002235 | -.003493 | -.002935 |
| Stddev | .004343  | .0002951 | .001208  | .000285  | .000995  | .003303  | .000471  |
| %RSD   | 599.8600 | 45.54911 | 85.91992 | 12.33560 | 44.53454 | 94.55632 | 16.06061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000947 | .0005921 | -.000592 | -.002315 | -.003336 | -.001757 | -.002642 |
| #2 | -.004951 | .0003846 | -.002794 | -.002599 | -.001969 | -.001421 | -.003478 |
| #3 | .003726  | .0009668 | -.000832 | -.002028 | -.001399 | -.007302 | -.002684 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000029 | -.000016 | -.024679 | .0000049 | -.000020 | -.003013 | .0299687 |
| Stddev | .000015  | .000036  | .016649  | .0003145 | .000304  | .004195  | .0175401 |
| %RSD   | 53.20398 | 221.5489 | 67.46249 | 6413.999 | 1514.295 | 139.2073 | 58.52804 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000046 | -.000009 | -.028530 | .0002481 | -.000351 | .001791  | .0480650 |
| #2 | -.000015 | -.000055 | -.039066 | -.000350 | .000047  | -.004882 | .0287975 |
| #3 | -.000026 | .000016  | -.006442 | .000117  | .000245  | -.005950 | .0130436 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011356 | -.042065 | .0001348 | -.000121 | -.096717 | .0053117 | -.007132 |
| Stddev | .0011745 | .013815  | .0002586 | .000233  | .160469  | .0058929 | .019808  |
| %RSD   | 103.4262 | 32.84209 | 191.8189 | 192.1936 | 165.9168 | 110.9410 | 277.7500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011527 | -.049967 | .0001688 | .000108  | -.272336 | .0119765 | -.003302 |
| #2 | -.000047 | -.026113 | -.000139 | -.000113 | .042267  | .0007910 | .010482  |
| #3 | .002301  | -.050114 | .000375  | -.000358 | -.060081 | .0031678 | -.028575 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.031351 | .0000765 | -.002403 | -.000115 | -.001923 | -.000785 | -.000688 |
| Stddev | .018668  | .0019291 | .000646  | .000231  | .000643  | .000701  | .000444  |
| %RSD   | 59.54561 | 2521.181 | 26.89747 | 200.0709 | 33.41746 | 89.22448 | 64.57029 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.036610 | .0016459 | -.002112 | .000151  | -.001674 | -.001578 | -.000300 |
| #2 | -.046825 | -.002077 | -.003143 | -.000248 | -.001442 | -.000248 | -.001172 |
| #3 | -.010617 | .000661  | -.001953 | -.000249 | -.002653 | -.000530 | -.000592 |

Sample Name: PB113897BL      Acquired: 10/17/2018 14:33:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001965 | -.008638 | .0000317 |
| Stddev | .001323  | .000776  | .0000748 |
| %RSD   | 67.34695 | 8.978677 | 235.7301 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002919 | -.007750 | .0000836 |
| #2 | -.002521 | -.008981 | .0000657 |
| #3 | -.000454 | -.009183 | -.000054 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2219.754 | 2475.688 | 51044.90 | 4945.400 | 3667.707 |
| Stddev    | 15.157   | 5.391    | 197.91   | 13.056   | 2.649    |
| %RSD      | .6828107 | .2177382 | .3877098 | .2640050 | .0722310 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2213.040 | 2470.427 | 50830.57 | 4941.450 | 3665.167 |
| #2 | 2209.113 | 2481.199 | 51083.42 | 4934.775 | 3670.454 |
| #3 | 2237.108 | 2475.438 | 51220.72 | 4959.975 | 3667.500 |

Sample Name: PB113897BS      Acquired: 10/17/2018 14:37:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0182002 | .0506020 | .0161300 | .0690424 | .1174381 | .3658003 |
| Stddev | .0029691 | .0027697 | .0014085 | .0025037 | .0013547 | .0100333 |
| %RSD   | 16.31367 | 5.473584 | 8.731929 | 3.626391 | 1.153570 | 2.742836 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0150084 | .0481018 | .0166296 | .0661514 | .1190018 | .3602608 |
| #2 | .0208800 | .0501249 | .0172206 | .0705054 | .1166925 | .3597581 |
| #3 | .0187122 | .0535793 | .0145399 | .0704704 | .1166198 | .3773822 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3942972 | .0098899 | .0096513 | 9.979956 | .0211731 | .0944376 |
| Stddev | .0009996 | .0000985 | .0000221 | .090566  | .0002472 | .0001225 |
| %RSD   | .2535044 | .9957295 | .2288852 | .9074758 | 1.167638 | .1296890 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3935043 | .0097842 | .0096683 | 9.897822 | .0213592 | .0944967 |
| #2 | .3939673 | .0099065 | .0096593 | 9.964965 | .0208926 | .0942968 |
| #3 | .3954200 | .0099791 | .0096264 | 10.07708 | .0212676 | .0945193 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0479078 | .2411135 | .0317373 | 9.261544 | .0805598 | .0191987 |
| Stddev | .0023447 | .0233573 | .0007378 | .100044  | .0003780 | .0005333 |
| %RSD   | 4.894171 | 9.687278 | 2.324789 | 1.080212 | .4691561 | 2.777692 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0452422 | .2667794 | .0322790 | 9.303909 | .0801577 | .0188418 |
| #2 | .0496513 | .2211033 | .0308969 | 9.147287 | .0806138 | .0198117 |
| #3 | .0488297 | .2354579 | .0320359 | 9.333434 | .0809078 | .0189426 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.296312 | .1053319 | .1160457 | 9.085884 | F 9.686104 | F .2118613 |
| Stddev | .338129  | .0049034 | .0146610 | .039231  | .013415    | .0016026   |
| %RSD   | 3.637233 | 4.655181 | 12.63379 | .4317824 | .1384966   | .7564428   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.053803 | .1031072 | .1077258 | 9.040809 | 9.678294 | .2100128 |
| #2 | 9.152570 | .1019351 | .1329739 | 9.112333 | 9.678424 | .2127107 |
| #3 | 9.682562 | .1109532 | .1074373 | 9.104509 | 9.701594 | .2128605 |

Sample Name: PB113897BS      Acquired: 10/17/2018 14:37:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0985815 | 8.905369 | .1839300 | F .0129044 | .1965627 | .0811453 |
| Stddev | .0001972   | .022779  | .0025167 | .0008276   | .0015657 | .0016330 |
| %RSD   | .1999970   | .2557915 | 1.368288 | 6.413003   | .7965155 | 2.012373 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0986337 | 8.929179 | .1814576 | .0120818 | .1976519 | .0821887 |
| #2 | .0987472 | 8.883783 | .1838436 | .0128947 | .1947685 | .0792635 |
| #3 | .0983634 | 8.903145 | .1864888 | .0137368 | .1972678 | .0819839 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1971913 |
| Stddev | .0005862 |
| %RSD   | .2973000 |

|    |          |
|----|----------|
| #1 | .1969829 |
| #2 | .1967377 |
| #3 | .1978532 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2257.752 | 2504.037 | 52040.81 | 4995.167 | 3749.366 |
| Stddev    | 8.503    | 7.591    | 63.30    | 36.976   | 5.871    |
| %RSD      | .3766117 | .3031400 | .1216429 | .7402412 | .1565916 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2249.203 | 2505.010 | 51967.91 | 5026.875 | 3751.742 |
| #2 | 2257.845 | 2511.094 | 52081.93 | 5004.075 | 3753.677 |
| #3 | 2266.208 | 2496.006 | 52072.59 | 4954.550 | 3742.679 |

Sample Name: J5321-01      Acquired: 10/17/2018 14:41:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1009443 | .0299253 | 16.27312 | -.031453 | .0182890 | 80.31414 |
| Stddev | .0014534 | .0050606 | .01935   | .000120  | .0016443 | .13335   |
| %RSD   | 1.439780 | 16.91089 | .1189148 | .3814873 | 8.990700 | .1660321 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1014351 | .0249041 | 16.25307 | -.031371 | .0174192 | 80.46406 |
| #2 | .0993090 | .0350245 | 16.27459 | -.031591 | .0172623 | 80.26962 |
| #3 | .1020887 | .0298473 | 16.29169 | -.031398 | .0201856 | 80.20876 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 13.96904 | .0124821 | .0329060 | F 933.8412 | .2455926 | .2030864 |
| Stddev | .03006   | .0000548 | .0000700 | 1.9987     | .0018035 | .0005904 |
| %RSD   | .2152033 | .4389979 | .2127070 | .2140294   | .7343614 | .2907061 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.00198 | .0124357 | .0328821 | 936.1395 | .2450293 | .2035580 |
| #2 | 13.96207 | .0125426 | .0328511 | 932.8750 | .2441380 | .2024243 |
| #3 | 13.94308 | .0124680 | .0329848 | 932.5093 | .2476106 | .2032770 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | 1.185470 | 260.9787 | F 32.02396 | 83.27224 | .4009975 | .0305428 |
| Stddev | .003755  | .1617    | .00498     | .34596   | .0005876 | .0003095 |
| %RSD   | .3167348 | .0619603 | .0155551   | .4154535 | .1465251 | 1.013265 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.189670 | 260.8016 | 32.02734 | 83.20060 | .4015792 | .0303173 |
| #2 | 1.184302 | 261.1185 | 32.01824 | 82.96772 | .4010092 | .0308956 |
| #3 | 1.182438 | 261.0161 | 32.02631 | 83.64842 | .4004042 | .0304154 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.884374 | .2984178 | 14.47743 | 11.27120 | 23.31478 | .3215225 |
| Stddev | .065708  | .0028137 | .17710   | .02376   | .01284   | .0022747 |
| %RSD   | 3.487000 | .9428545 | 1.223301 | .2108110 | .0550653 | .7074673 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.825409 | .3013302 | 14.31838 | 11.26884 | 23.30148 | .3231059 |
| #2 | 1.872505 | .2982084 | 14.66828 | 11.24871 | 23.31575 | .3225456 |
| #3 | 1.955208 | .2957146 | 14.44564 | 11.29606 | 23.32710 | .3189159 |

Sample Name: J5321-01      Acquired: 10/17/2018 14:41:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087364 | 7.377632 | 2.543685 | .4490982 | 1.197365 | .0803638 |
| Stddev | .0001070 | .021645  | .022138  | .0008636 | .004803  | .0018976 |
| %RSD   | 1.224900 | .2933864 | .8703284 | .1923070 | .4010898 | 2.361222 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0086351 | 7.352650 | 2.568230 | .4490689 | 1.199159 | .0824870 |
| #2 | .0088484 | 7.390773 | 2.525226 | .4482496 | 1.201012 | .0797710 |
| #3 | .0087257 | 7.389473 | 2.537599 | .4499761 | 1.191924 | .0788334 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.213033 |
| Stddev | .005416  |
| %RSD   | .1285548 |

|    |          |
|----|----------|
| #1 | 4.210950 |
| #2 | 4.219182 |
| #3 | 4.208969 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2507.722 | 2726.363 | 60157.49 | 5936.904 | 3144.060 |
| Stddev    | 13.537   | 3.673    | 73.67    | 14.702   | 1.349    |
| %RSD      | .5398194 | .1347363 | .1224545 | .2476406 | .0429027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2506.834 | 2728.580 | 60239.90 | 5922.324 | 3145.418 |
| #2 | 2494.651 | 2728.386 | 60134.55 | 5936.664 | 3144.043 |
| #3 | 2521.682 | 2722.123 | 60098.03 | 5951.725 | 3142.720 |



Sample Name: J5321-02      Acquired: 10/17/2018 14:45:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0767827 | .0320890 | 46.28332 | -.039894 | .0309987 | 92.06477 | 8.903462 |
| Stddev | .0021909 | .0025104 | .03721   | .002541  | .0009391 | .33004   | .030429  |
| %RSD   | 2.853393 | 7.823374 | .0803938 | 6.369087 | 3.029534 | .3584890 | .3417660 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0743411 | .0292048 | 46.32624 | -.039793 | .0319477 | 91.70118 | 8.892632 |
| #2 | .0785771 | .0332793 | 46.26356 | -.037406 | .0300698 | 92.34546 | 8.937824 |
| #3 | .0774301 | .0337828 | 46.26015 | -.042484 | .0309786 | 92.14766 | 8.879929 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0147643 | .0221832 | 592.2805 | .2700634 | .3016072 | .8673014 | 336.2066 |
| Stddev | .0000734 | .0002322 | 2.6187   | .0008706 | .0005112 | .0038665 | 1.5288   |
| %RSD   | .4973265 | 1.046893 | .4421331 | .3223831 | .1695094 | .4458048 | .4547265 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0147996 | .0223886 | 589.2569 | .2710113 | .3020187 | .8652890 | 334.5000 |
| #2 | .0148134 | .0219312 | 593.7668 | .2698794 | .3017679 | .8717590 | 336.6689 |
| #3 | .0146799 | .0222299 | 593.8178 | .2692994 | .3010349 | .8648562 | 337.4509 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.34452 | 63.11659 | .4917980 | .0601251 | 2.527850 | .3609027 | 7.377753 |
| Stddev | .15330   | .50657   | .0011770 | .0004479 | .115904  | .0125244 | .049215  |
| %RSD   | .5606161 | .8025886 | .2393173 | .7450153 | 4.585089 | 3.470287 | .6670737 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.16831 | 62.53166 | .4917609 | .0597435 | 2.422532 | .3547590 | 7.428197 |
| #2 | 27.41802 | 63.40992 | .4929930 | .0600134 | 2.508991 | .3526364 | 7.329867 |
| #3 | 27.44722 | 63.40820 | .4906400 | .0606183 | 2.652027 | .3753125 | 7.375194 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.47229 | 14.16950 | .7094513 | .0381359 | 7.530624 | 3.051701 | 1.422724 |
| Stddev | .04940   | .02016   | .0033599 | .0003272 | .023115  | .025919  | .001560  |
| %RSD   | .3961017 | .1422720 | .4735904 | .8579272 | .3069503 | .8493172 | .1096286 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.42298 | 14.15602 | .7060115 | .0380189 | 7.507679 | 3.022662 | 1.422085 |
| #2 | 12.52179 | 14.19267 | .7096174 | .0385055 | 7.553906 | 3.072492 | 1.424501 |
| #3 | 12.47211 | 14.15980 | .7127251 | .0378834 | 7.530288 | 3.059950 | 1.421585 |

Sample Name: J5321-02      Acquired: 10/17/2018 14:45:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACK6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.807290 | .0826929 | 2.845273 |
| Stddev | .006110  | .0014583 | .006896  |
| %RSD   | .3380996 | 1.763560 | .2423787 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.807728 | .0832786 | 2.844006 |
| #2 | 1.813169 | .0837673 | 2.852714 |
| #3 | 1.800972 | .0810328 | 2.839097 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2487.434 | 2704.909 | 59482.32 | 5808.486 | 3209.434 |
| Stddev    | 11.382   | 3.430    | 238.22   | 37.773   | 7.757    |
| %RSD      | .4575763 | .1267887 | .4004914 | .6503094 | .2416972 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2483.205 | 2701.406 | 59208.05 | 5851.873 | 3200.956 |
| #2 | 2500.325 | 2708.260 | 59601.25 | 5782.925 | 3211.169 |
| #3 | 2478.771 | 2705.059 | 59637.66 | 5790.659 | 3216.176 |

Sample Name: J5321-03      Acquired: 10/17/2018 14:49:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0497854 | .0453489 | 1.831459 | -.034281 | .0070444 | 103.3972 |
| Stddev | .0065948 | .0007376 | .004003  | .001245  | .0005600 | .0893    |
| %RSD   | 13.24638 | 1.626406 | .2185877 | 3.631913 | 7.948860 | .0864021 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0426974 | .0461229 | 1.834641 | -.035151 | .0064706 | 103.3410 |
| #2 | .0557401 | .0446542 | 1.832772 | -.034837 | .0070734 | 103.5002 |
| #3 | .0509186 | .0452696 | 1.826964 | -.032855 | .0075893 | 103.3503 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.324314 | .0140222 | .0278379 | 56.47764 | .0978773 | .2038823 |
| Stddev | .003210  | .0001627 | .0000371 | .18387   | .0003230 | .0002662 |
| %RSD   | .0965468 | 1.160160 | .1331105 | .3255668 | .3300376 | .1305709 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.327020 | .0139857 | .0277970 | 56.35038 | .0978770 | .2037396 |
| #2 | 3.325153 | .0142001 | .0278693 | 56.68846 | .0975545 | .2041895 |
| #3 | 3.320768 | .0138809 | .0278474 | 56.39409 | .0982005 | .2037179 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3881495 | 300.0636 | F 38.10420 | 24.13081 | .3388164 | .0036619 |
| Stddev | .0030291 | 1.1260   | .13633     | .19893   | .0011833 | .0001341 |
| %RSD   | .7803952 | .3752574 | .3577754   | .8243944 | .3492432 | 3.661860 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3902818 | 299.0868 | 38.00881 | 23.91279 | .3389273 | .0036367 |
| #2 | .3846822 | 301.2952 | 38.26034 | 24.17717 | .3399404 | .0038068 |
| #3 | .3894845 | 299.8089 | 38.04344 | 24.30248 | .3375816 | .0035422 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7027071 | .3179453 | 3.804540 | 10.24840 | 8.954135 | .1557939 |
| Stddev | .1485124 | .0029570 | .021352  | .04997   | .005788  | .0021571 |
| %RSD   | 21.13433 | .9300347 | .5612221 | .4875712 | .0646375 | 1.384557 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5929727 | .3183100 | 3.810893 | 10.30341 | 8.960817 | .1535933 |
| #2 | .8717001 | .3148229 | 3.780732 | 10.20581 | 8.950684 | .1579047 |
| #3 | .6434484 | .3207031 | 3.821994 | 10.23598 | 8.950905 | .1558837 |

Sample Name: J5321-03      Acquired: 10/17/2018 14:49:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058017 | 2.050710 | 1.793268 | .0378374 | .7026209 | .0563429 |
| Stddev | .0000594 | .004398  | .007222  | .0019176 | .0026110 | .0002715 |
| %RSD   | 1.023078 | .2144554 | .4027204 | 5.068041 | .3716070 | .4818642 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0058515 | 2.055634 | 1.793656 | .0400378 | .7029657 | .0566103 |
| #2 | .0057360 | 2.047172 | 1.800288 | .0369511 | .6998547 | .0560674 |
| #3 | .0058176 | 2.049324 | 1.785860 | .0365232 | .7050424 | .0563509 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1691168 |
| Stddev | .0004425 |
| %RSD   | .2616367 |

|    |          |
|----|----------|
| #1 | .1686652 |
| #2 | .1695496 |
| #3 | .1691357 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3493.284 | 3831.210 | 81960.42 | 8031.204 | 3484.621 |
| Stddev    | 21.123   | 5.802    | 204.08   | 38.007   | 4.341    |
| %RSD      | .6046654 | .1514348 | .2489936 | .4732466 | .1245830 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3469.062 | 3831.966 | 81729.78 | 8000.424 | 3481.087 |
| #2 | 3502.917 | 3825.068 | 82117.59 | 8019.502 | 3483.309 |
| #3 | 3507.873 | 3836.597 | 82033.88 | 8073.687 | 3489.467 |

Sample Name: J5321-04      Acquired: 10/17/2018 14:53:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0536898 | .0161694 | 13.02163 | -.019177 | .0048527 | 69.63204 | .9002905 |
| Stddev | .0056428 | .0013695 | .02096   | .003992  | .0012548 | .16209   | .0029751 |
| %RSD   | 10.51007 | 8.469516 | .1609985 | 20.81397 | 25.85771 | .2327777 | .3304623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0523671 | .0176262 | 13.00695 | -.015726 | .0040162 | 69.80230 | .9033908 |
| #2 | .0598764 | .0159736 | 13.04564 | -.023548 | .0042464 | 69.47960 | .9000219 |
| #3 | .0488257 | .0149083 | 13.01230 | -.018258 | .0062955 | 69.61421 | .8974588 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063019 | .0007200 | 6.145006 | .1114219 | .2111053 | .1618514 | 201.6636 |
| Stddev | .0000740 | .0001008 | .067766  | .0010531 | .0002132 | .0004490 | 1.2864   |
| %RSD   | 1.173566 | 14.00504 | 1.102783 | .9451206 | .1009945 | .2774063 | .6378802 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062239 | .0006043 | 6.186756 | .1125810 | .2110832 | .1618891 | 201.7169 |
| #2 | .0063711 | .0007669 | 6.066817 | .1111605 | .2113287 | .1622803 | 200.3514 |
| #3 | .0063105 | .0007888 | 6.181446 | .1105241 | .2109040 | .1613847 | 202.9225 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.25370 | 7.574593 | .1664154 | .0020681 | .3783071 | .2714320 | .1459347 |
| Stddev | .11393   | .126932  | .0003747 | .0005485 | .1096397 | .0045203 | .0085310 |
| %RSD   | .7009633 | 1.675762 | .2251897 | 26.52281 | 28.98167 | 1.665358 | 5.845787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.28687 | 7.567564 | .1660082 | .0026275 | .3631420 | .2765819 | .1496590 |
| #2 | 16.12686 | 7.451321 | .1667457 | .0015311 | .2770393 | .2695934 | .1519703 |
| #3 | 16.34736 | 7.704893 | .1664924 | .0020458 | .4947399 | .2681207 | .1361747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.659575 | 2.021414 | .1202907 | .0078549 | .7620345 | 5.136676 | .0040590 |
| Stddev | .029575  | .002340  | .0022073 | .0001852 | .0032796 | .022654  | .0008489 |
| %RSD   | .8081667 | .1157434 | 1.835012 | 2.358162 | .4303757 | .4410222 | 20.91295 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.687949 | 2.023514 | .1221496 | .0076683 | .7647695 | 5.117028 | .0050344 |
| #2 | 3.628929 | 2.018892 | .1178510 | .0078576 | .7629354 | 5.161455 | .0036547 |
| #3 | 3.661847 | 2.021837 | .1208714 | .0080388 | .7583986 | 5.131545 | .0034879 |

Sample Name: J5321-04      Acquired: 10/17/2018 14:53:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7989886 | .0231553 | .0456311 |
| Stddev | .0067801 | .0016316 | .0002537 |
| %RSD   | .8485849 | 7.046262 | .5559798 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8060892 | .0242201 | .0456519 |
| #2 | .7925824 | .0239688 | .0453676 |
| #3 | .7982943 | .0212769 | .0458737 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2443.655 | 2703.981 | 56713.96 | 5536.802 | 3645.996 |
| Stddev    | 14.277   | 4.598    | 82.49    | 25.915   | 4.175    |
| %RSD      | .5842514 | .1700351 | .1454544 | .4680498 | .1145046 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2435.420 | 2698.958 | 56685.57 | 5543.241 | 3641.707 |
| #2 | 2460.141 | 2705.004 | 56806.90 | 5558.891 | 3646.232 |
| #3 | 2435.405 | 2707.981 | 56649.42 | 5508.275 | 3650.047 |

Sample Name: J5321-05      Acquired: 10/17/2018 14:57:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0824576 | .0324357 | 7.522582 | -.028495 | .0093620 | 114.6766 | 1.676585 |
| Stddev | .0028364 | .0008092 | .008881  | .002836  | .0016734 | .1022    | .000896  |
| %RSD   | 3.439782 | 2.494928 | .1180571 | 9.953524 | 17.87395 | .0891192 | .0534374 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0819016 | .0330985 | 7.515757 | -.030525 | .0110634 | 114.7793 | 1.675994 |
| #2 | .0855307 | .0315339 | 7.519366 | -.029705 | .0077182 | 114.5749 | 1.677616 |
| #3 | .0799403 | .0326748 | 7.532623 | -.025254 | .0093044 | 114.6755 | 1.676145 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097217 | .0018165 | 35.75226 | .1247826 | .2708000 | .2086277 | 328.4219 |
| Stddev | .0001147 | .0001162 | .13494   | .0007563 | .0004745 | .0038099 | 1.1591   |
| %RSD   | 1.179641 | 6.396916 | .3774302 | .6061109 | .1752312 | 1.826157 | .3529312 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0097927 | .0016937 | 35.90722 | .1239756 | .2706992 | .2046299 | 329.6186 |
| #2 | .0097830 | .0019248 | 35.66066 | .1248970 | .2713168 | .2122167 | 327.3044 |
| #3 | .0095894 | .0018309 | 35.68891 | .1254752 | .2703839 | .2090366 | 328.3427 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.67544 | 24.92536 | .1566490 | .0021381 | .8231854 | .3750548 | .2334303 |
| Stddev | .12115   | .07571   | .0007731 | .0002381 | .1677719 | .0005949 | .0088762 |
| %RSD   | .4224910 | .3037307 | .4935420 | 11.13556 | 20.38082 | .1586275 | 3.802507 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.78526 | 24.99305 | .1561397 | .0018643 | .9805817 | .3745774 | .2235355 |
| #2 | 28.54548 | 24.84361 | .1575387 | .0022539 | .8422994 | .3748657 | .2406922 |
| #3 | 28.69557 | 24.93943 | .1562688 | .0022962 | .6466751 | .3757213 | .2360631 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.449016 | 2.929007 | .1699419 | .0177561 | 1.145313 | 2.690302 | .0026592 |
| Stddev | .024052  | .005914  | .0020791 | .0004685 | .008516  | .008210  | .0006265 |
| %RSD   | .3729600 | .2019124 | 1.223444 | 2.638475 | .7435416 | .3051608 | 23.56147 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.446284 | 2.930030 | .1676320 | .0177133 | 1.135660 | 2.695123 | .0033716 |
| #2 | 6.474317 | 2.922649 | .1716635 | .0173105 | 1.148516 | 2.694960 | .0021939 |
| #3 | 6.426446 | 2.934343 | .1705302 | .0182445 | 1.151763 | 2.680822 | .0024121 |

Sample Name: J5321-05      Acquired: 10/17/2018 14:57:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.175509 | .0426558 | .0886466 |
| Stddev | .003987  | .0009419 | .0001736 |
| %RSD   | .3392135 | 2.208111 | .1958900 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.171538 | .0415873 | .0887227 |
| #2 | 1.175475 | .0433656 | .0887692 |
| #3 | 1.179513 | .0430146 | .0884479 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2453.557 | 2705.962 | 57178.80 | 5590.286 | 3570.322 |
| Stddev    | 10.622   | .946     | 147.79   | 43.747   | 1.907    |
| %RSD      | .4329098 | .0349456 | .2584720 | .7825519 | .0534120 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2455.957 | 2706.217 | 57135.79 | 5546.230 | 3568.669 |
| #2 | 2462.774 | 2704.915 | 57343.33 | 5590.911 | 3572.408 |
| #3 | 2441.941 | 2706.753 | 57057.29 | 5633.717 | 3569.887 |



Sample Name: J5321-06      Acquired: 10/17/2018 15:01:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACLO      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0433366 | .0140004 | .4722684 | -.011065 | .0035993 | 84.86696 | 1.146873 |
| Stddev | .0028018 | .0036388 | .0022371 | .002130  | .0009949 | .33529   | .006383  |
| %RSD   | 6.465160 | 25.99102 | .4736972 | 19.24617 | 27.64202 | .3950739 | .5565270 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0415649 | .0139669 | .4697075 | -.013241 | .0043597 | 85.01394 | 1.152370 |
| #2 | .0418781 | .0103784 | .4732555 | -.008985 | .0024733 | 84.48328 | 1.139873 |
| #3 | .0465667 | .0176559 | .4738422 | -.010968 | .0039649 | 85.10365 | 1.148378 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069210 | .0009680 | 16.61232 | .1460032 | .1425252 | .1357799 | 163.1958 |
| Stddev | .0000343 | .0000278 | .12076   | .0006197 | .0002429 | .0030281 | 1.0247   |
| %RSD   | .4959340 | 2.871641 | .7269306 | .4244417 | .1704028 | 2.230194 | .6279173 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0069223 | .0009826 | 16.63759 | .1454996 | .1422922 | .1389759 | 164.0527 |
| #2 | .0068860 | .0009854 | 16.48092 | .1458147 | .1427769 | .1329535 | 162.0607 |
| #3 | .0069546 | .0009359 | 16.71844 | .1466953 | .1425066 | .1354102 | 163.4741 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.45076 | 12.18713 | .1055563 | .0010211 | .6221140 | .2996819 | .1977123 |
| Stddev | .07454   | .21827   | .0005352 | .0005642 | .1216031 | .0040393 | .0049413 |
| %RSD   | .5986592 | 1.790997 | .5069890 | 55.25611 | 19.54675 | 1.347846 | 2.499233 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.48877 | 11.94148 | .1050491 | .0016640 | .5003457 | .2984609 | .1939876 |
| #2 | 12.36488 | 12.26114 | .1055041 | .0006082 | .6224451 | .2963941 | .2033178 |
| #3 | 12.49863 | 12.35878 | .1061156 | .0007912 | .7435511 | .3041909 | .1958316 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.178494 | 2.686765 | .0909490 | .0059258 | .8912404 | 2.532205 | .0026855 |
| Stddev | .014371  | .002908  | .0010053 | .0001112 | .0061425 | .026761  | .0010730 |
| %RSD   | .4521364 | .1082287 | 1.105295 | 1.876764 | .6892038 | 1.056840 | 39.95590 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.186561 | 2.688074 | .0921084 | .0059778 | .8863631 | 2.521546 | .0028093 |
| #2 | 3.187019 | 2.688789 | .0904176 | .0057981 | .8981388 | 2.512416 | .0015559 |
| #3 | 3.161901 | 2.683433 | .0903210 | .0060015 | .8892193 | 2.562654 | .0036911 |

Sample Name: J5321-06      Acquired: 10/17/2018 15:01:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACLO      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6359136 | .0276581 | .0588315 |
| Stddev | .0038973 | .0014995 | .0003066 |
| %RSD   | .6128729 | 5.421555 | .5211605 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6398637 | .0289986 | .0590533 |
| #2 | .6320712 | .0279368 | .0584816 |
| #3 | .6358058 | .0260387 | .0589595 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2478.700 | 2738.886 | 57628.10 | 5596.136 | 3636.963 |
| Stddev    | 10.293   | 1.720    | 206.92   | 23.919   | 2.198    |
| %RSD      | .4152635 | .0627898 | .3590681 | .4274282 | .0604366 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2468.071 | 2737.544 | 57519.67 | 5587.136 | 3638.686 |
| #2 | 2479.407 | 2740.824 | 57497.93 | 5623.250 | 3637.715 |
| #3 | 2488.621 | 2738.289 | 57866.71 | 5578.022 | 3634.487 |

Sample Name: J5321-07      Acquired: 10/17/2018 15:05:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACLOD      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0447973 | .0125227 | .4734811 | -.011680 | .0025711 | 85.00477 | 1.157690 |
| Stddev | .0024808 | .0016576 | .0014143 | .001411  | .0004461 | .09331   | .001865  |
| %RSD   | 5.537918 | 13.23692 | .2987033 | 12.08165 | 17.34926 | .1097750 | .1610711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0420610 | .0133328 | .4743032 | -.011257 | .0020710 | 84.89744 | 1.158573 |
| #2 | .0454313 | .0136194 | .4718480 | -.010529 | .0029277 | 85.05024 | 1.155548 |
| #3 | .0468996 | .0106158 | .4742921 | -.013255 | .0027147 | 85.06663 | 1.158950 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069913 | .0011494 | 16.52107 | .1478509 | .1436895 | .1345424 | 161.7638 |
| Stddev | .0000898 | .0000488 | .07050   | .0004228 | .0002022 | .0039105 | .1888    |
| %RSD   | 1.284537 | 4.241860 | .4267035 | .2859876 | .1407497 | 2.906496 | .1167327 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070658 | .0012057 | 16.43968 | .1479416 | .1435181 | .1390140 | 161.8853 |
| #2 | .0068916 | .0011223 | 16.56265 | .1482211 | .1439126 | .1317632 | 161.8598 |
| #3 | .0070165 | .0011203 | 16.56089 | .1473901 | .1436377 | .1328500 | 161.5462 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.36918 | 12.03403 | .1063059 | .0013711 | .7533020 | .2992191 | .1943021 |
| Stddev | .02790   | .16687   | .0007273 | .0001477 | .0784926 | .0124173 | .0070465 |
| %RSD   | .2255540 | 1.386621 | .6841749 | 10.77388 | 10.41981 | 4.149889 | 3.626574 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.37792 | 12.22411 | .1071024 | .0014887 | .7241117 | .3132685 | .1902997 |
| #2 | 12.39166 | 11.96634 | .1056771 | .0014195 | .6935866 | .2897147 | .1901681 |
| #3 | 12.33795 | 11.91165 | .1061383 | .0012053 | .8422075 | .2946742 | .2024383 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.212397 | 2.713541 | .0887735 | .0060007 | .8953250 | 2.508673 | .0028567 |
| Stddev | .031788  | .001864  | .0005774 | .0002898 | .0022657 | .009384  | .0012998 |
| %RSD   | .9895567 | .0687106 | .6504607 | 4.828827 | .2530596 | .3740663 | 45.50030 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.248146 | 2.715451 | .0882637 | .0057502 | .8947995 | 2.507477 | .0013558 |
| #2 | 3.201731 | 2.711726 | .0894006 | .0059338 | .8933681 | 2.499944 | .0036039 |
| #3 | 3.187313 | 2.713446 | .0886561 | .0063181 | .8978072 | 2.518597 | .0036104 |

Sample Name: J5321-07      Acquired: 10/17/2018 15:05:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6366957 | .0273575 | .0592045 |
| Stddev | .0020805 | .0006467 | .0002251 |
| %RSD   | .3267620 | 2.363996 | .3802226 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6343072 | .0274955 | .0593640 |
| #2 | .6376672 | .0266529 | .0589470 |
| #3 | .6381127 | .0279240 | .0593025 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2463.916 | 2734.006 | 57122.20 | 5574.181 | 3614.201 |
| Stddev    | 12.736   | 5.756    | 173.09   | 10.188   | 8.081    |
| %RSD      | .5168805 | .2105440 | .3030180 | .1827650 | .2235904 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2462.986 | 2732.677 | 57023.58 | 5564.996 | 3608.121 |
| #2 | 2451.672 | 2740.310 | 57020.96 | 5585.139 | 3623.371 |
| #3 | 2477.092 | 2729.030 | 57322.06 | 5572.409 | 3611.111 |

Sample Name: J5321-08      Acquired: 10/17/2018 15:09:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACLOS      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1144743 | .1170708 | .5040920 | .0703994 | .1892374 | 86.70121 | 5.234244 |
| Stddev | .0017656 | .0015484 | .0008995 | .0047779 | .0027443 | .25441   | .016795  |
| %RSD   | 1.542357 | 1.322582 | .1784471 | 6.786841 | 1.450179 | .2934354 | .3208621 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1137648 | .1171824 | .5033156 | .0713108 | .1904451 | 86.50383 | 5.229779 |
| #2 | .1164843 | .1185604 | .5038826 | .0746560 | .1911707 | 86.98833 | 5.252821 |
| #3 | .1131739 | .1154697 | .5050778 | .0652315 | .1860964 | 86.61145 | 5.220134 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0981877 | .1045143 | 16.11855 | .5428253 | 1.224042 | .6523804 | 159.8746 |
| Stddev | .0003508 | .0000762 | .07150   | .0008314 | .001237  | .0023511 | .7762    |
| %RSD   | .3572753 | .0729456 | .4435955 | .1531702 | .1010258 | .3603897 | .4855209 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0980840 | .1045196 | 16.03782 | .5420465 | 1.223926 | .6497645 | 159.0735 |
| #2 | .0979005 | .1044356 | 16.17391 | .5437009 | 1.222867 | .6543173 | 160.6233 |
| #3 | .0985787 | .1045878 | 16.14391 | .5427283 | 1.225332 | .6530595 | 159.9271 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.09814 | 11.73833 | 1.209448 | .0904851 | .4996625 | 1.306190 | 1.178260 |
| Stddev | .04166   | .12656   | .001871  | .0004262 | .4088338 | .003224  | .009019  |
| %RSD   | .3180566 | 1.078207 | .1547350 | .4710064 | 81.82197 | .2468265 | .7654207 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.05456 | 11.62322 | 1.208032 | .0907966 | .5073537 | 1.303142 | 1.183414 |
| #2 | 13.10230 | 11.87386 | 1.211570 | .0906593 | .9045964 | 1.305863 | 1.183521 |
| #3 | 13.13756 | 11.71790 | 1.208743 | .0899994 | .0870375 | 1.309565 | 1.167847 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.052020 | 2.664262 | .0837907 | .0056460 | .8689809 | 2.460179 | .0032671 |
| Stddev | .056024  | .013552  | .0016555 | .0001810 | .0041472 | .011612  | .0003229 |
| %RSD   | 1.835634 | .5086510 | 1.975748 | 3.205636 | .4772519 | .4719823 | 9.883518 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.987415 | 2.667840 | .0818838 | .0057331 | .8684978 | 2.449214 | .0034785 |
| #2 | 3.087205 | 2.649280 | .0846282 | .0057670 | .8650964 | 2.458978 | .0028954 |
| #3 | 3.081441 | 2.675666 | .0848601 | .0054380 | .8733486 | 2.472344 | .0034274 |

Sample Name: J5321-08      Acquired: 10/17/2018 15:09:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACLO5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6198296 | .0287936 | .0579609 |
| Stddev | .0035518 | .0004481 | .0000098 |
| %RSD   | .5730294 | 1.556209 | .0168423 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6181558 | .0282816 | .0579689 |
| #2 | .6239090 | .0291141 | .0579500 |
| #3 | .6174239 | .0289852 | .0579637 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2458.077 | 2712.546 | 57129.27 | 5583.239 | 3602.046 |
| Stddev    | 12.920   | .955     | 270.79   | 6.198    | 1.216    |
| %RSD      | .5256209 | .0351888 | .4740021 | .1110177 | .0337482 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2446.065 | 2711.444 | 56935.58 | 5576.493 | 3601.138 |
| #2 | 2456.420 | 2713.081 | 57013.53 | 5588.683 | 3603.427 |
| #3 | 2471.745 | 2713.113 | 57438.70 | 5584.540 | 3601.572 |

Sample Name: J5321-06LX5      Acquired: 10/17/2018 15:13:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACLOL      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0155924 | .0036367 | .0939245 | -.002810 | -.000085 | 17.96891 | .2457276 |
| Stddev | .0027615 | .0002414 | .0023907 | .001763  | .001302  | .02651   | .0009928 |
| %RSD   | 17.71046 | 6.636588 | 2.545316 | 62.74911 | 1529.330 | .1475141 | .4040438 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0187721 | .0034216 | .0923072 | -.004644 | .001418  | 17.94150 | .2459184 |
| #2 | .0137952 | .0038977 | .0966706 | -.001127 | -.000860 | 17.97081 | .2466113 |
| #3 | .0142099 | .0035907 | .0927958 | -.002660 | -.000813 | 17.99442 | .2446533 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014387 | .0001043 | 3.477120 | .0343208 | .0283422 | .0251428 | 34.07332 |
| Stddev | .0000442 | .0000778 | .038275  | .0005235 | .0001594 | .0023723 | .26090   |
| %RSD   | 3.069149 | 74.57466 | 1.100772 | 1.525313 | .5625272 | 9.435384 | .7656965 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014217 | .0000214 | 3.463773 | .0341789 | .0284448 | .0235494 | 34.20118 |
| #2 | .0014056 | .0001757 | 3.520282 | .0338829 | .0281586 | .0278692 | 34.24562 |
| #3 | .0014888 | .0001157 | 3.447306 | .0349006 | .0284233 | .0240098 | 33.77315 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.652864 | 2.589326 | .0227164 | -.000142 | .0288575 | .0699138 | .0525867 |
| Stddev | .0111161 | .122617  | .0002275 | .000343  | .3246422 | .0079404 | .0080580 |
| %RSD   | .4207098 | 4.735474 | 1.001461 | 242.2848 | 1124.984 | 11.35736 | 15.32333 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.662368 | 2.717492 | .0226966 | -.000318 | -.067787 | .0617303 | .0479761 |
| #2 | 2.655649 | 2.577349 | .0224994 | .000254  | .390847  | .0775864 | .0618912 |
| #3 | 2.640574 | 2.473138 | .0229531 | -.000361 | -.236488 | .0704246 | .0478928 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6887047 | .5458092 | .0157969 | .0012109 | .1827297 | .5450837 | -.001035 |
| Stddev | .0177114 | .0034884 | .0008620 | .0001215 | .0016749 | .0072957 | .000938  |
| %RSD   | 2.571697 | .6391240 | 5.456532 | 10.03044 | .9165951 | 1.338455 | 90.65594 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6685516 | .5418121 | .0167865 | .0012414 | .1834663 | .5434949 | -.000129 |
| #2 | .7017947 | .5473759 | .0153947 | .0010771 | .1808127 | .5530428 | -.000973 |
| #3 | .6957680 | .5482395 | .0152096 | .0013142 | .1839101 | .5387133 | -.002002 |

Sample Name: J5321-06LX5      Acquired: 10/17/2018 15:13:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL0L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1302783 | -.000979 | .0127210 |
| Stddev | .0014584 | .000861  | .0000643 |
| %RSD   | 1.119419 | 87.94170 | .5051841 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1308623 | -.001628 | .0126998 |
| #2 | .1313543 | -.000002 | .0126700 |
| #3 | .1286185 | -.001307 | .0127932 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2268.270 | 2531.167 | 52229.55 | 5132.300 | 3652.162 |
| Stddev    | 9.467    | 3.731    | 100.12   | 19.858   | 7.524    |
| %RSD      | .4173683 | .1474141 | .1916904 | .3869308 | .2060195 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2258.841 | 2529.597 | 52191.80 | 5128.525 | 3646.790 |
| #2 | 2268.192 | 2535.427 | 52153.80 | 5114.600 | 3660.761 |
| #3 | 2277.775 | 2528.478 | 52343.06 | 5153.775 | 3648.934 |



Sample Name: J5321-09      Acquired: 10/17/2018 15:17:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0634226 | .0109058 | 1.356188 | -.020445 | .0072406 | 83.91274 | 1.600059 |
| Stddev | .0014188 | .0030316 | .002366  | .002333  | .0002564 | .40011   | .006035  |
| %RSD   | 2.237024 | 27.79826 | .1744577 | 11.41199 | 3.540481 | .4768218 | .3771809 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0648596 | .0074325 | 1.356061 | -.022483 | .0073529 | 83.74056 | 1.600338 |
| #2 | .0633855 | .0130201 | 1.353888 | -.017900 | .0074215 | 83.62755 | 1.593889 |
| #3 | .0620227 | .0122649 | 1.358614 | -.020952 | .0069472 | 84.37012 | 1.605950 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075022 | .0051401 | 20.38374 | .2315273 | .2039931 | .2638655 | 210.5925 |
| Stddev | .0001009 | .0000362 | .13618   | .0007323 | .0001566 | .0034129 | .9878    |
| %RSD   | 1.344753 | .7035526 | .6680783 | .3163005 | .0767560 | 1.293425 | .4690575 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073952 | .0051594 | 20.25486 | .2313107 | .2039155 | .2622029 | 210.5167 |
| #2 | .0075956 | .0050983 | 20.37016 | .2323436 | .2038905 | .2677911 | 209.6447 |
| #3 | .0075159 | .0051625 | 20.52621 | .2309278 | .2041733 | .2616025 | 211.6160 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.81074 | 9.884481 | .1714991 | .0023141 | .6093544 | .3666066 | 1.441445 |
| Stddev | .08776   | .054597  | .0002710 | .0006730 | .2122351 | .0012997 | .029420  |
| %RSD   | .8117856 | .5523518 | .1580433 | 29.08148 | 34.82950 | .3545228 | 2.040977 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.77713 | 9.936842 | .1711866 | .0023550 | .6673899 | .3671187 | 1.410864 |
| #2 | 10.74475 | 9.888708 | .1716413 | .0016216 | .7865348 | .3651288 | 1.443924 |
| #3 | 10.91034 | 9.827894 | .1716695 | .0029656 | .3741386 | .3675722 | 1.469546 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.944488 | 2.772839 | .1079671 | .0077612 | 1.074894 | 3.214702 | .0066313 |
| Stddev | .030304  | .002652  | .0001525 | .0006312 | .004032  | .003830  | .0011383 |
| %RSD   | 1.029189 | .0956386 | .1412577 | 8.133037 | .3751497 | .1191367 | 17.16585 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.937470 | 2.773002 | .1081357 | .0084249 | 1.079459 | 3.210363 | .0078142 |
| #2 | 2.918308 | 2.775405 | .1079268 | .0076901 | 1.071818 | 3.217610 | .0055435 |
| #3 | 2.977685 | 2.770109 | .1078387 | .0071685 | 1.073405 | 3.216133 | .0065362 |

Sample Name: J5321-09      Acquired: 10/17/2018 15:17:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8023278 | .0317025 | .0595268 |
| Stddev | .0043430 | .0013656 | .0003679 |
| %RSD   | .5412999 | 4.307481 | .6181041 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7979308 | .0301490 | .0597066 |
| #2 | .8024378 | .0327130 | .0591035 |
| #3 | .8066147 | .0322456 | .0597702 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2459.011 | 2721.200 | 56962.34 | 5632.902 | 3612.875 |
| Stddev    | 3.850    | 1.440    | 173.10   | 10.582   | 5.406    |
| %RSD      | .1565574 | .0529013 | .3038858 | .1878625 | .1496363 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2455.582 | 2719.649 | 56765.46 | 5628.568 | 3607.667 |
| #2 | 2463.175 | 2722.493 | 57030.88 | 5644.963 | 3618.460 |
| #3 | 2458.275 | 2721.459 | 57090.68 | 5625.175 | 3612.499 |

Sample Name: J5385-20LX5      Acquired: 10/17/2018 15:21:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MYAK79L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0205641 | .0028833 | .0222423 | -.005781 | .0004354 | 23.16300 | .3962320 |
| Stddev | .0021198 | .0003679 | .0016491 | .001803  | .0024065 | .04171   | .0006174 |
| %RSD   | 10.30836 | 12.75951 | 7.414058 | 31.19707 | 552.7664 | .1800562 | .1558109 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0215110 | .0028329 | .0238222 | -.007740 | -.002189 | 23.17877 | .3956625 |
| #2 | .0181358 | .0025433 | .0223728 | -.004191 | .000955  | 23.11571 | .3961452 |
| #3 | .0220454 | .0032739 | .0205318 | -.005411 | .002539  | 23.19452 | .3968881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019666 | .0001023 | 9.991848 | .0208859 | .0196405 | .0585426 | 42.06567 |
| Stddev | .0000978 | .0000594 | .015498  | .0002625 | .0001562 | .0036710 | .18065   |
| %RSD   | 4.975085 | 58.08167 | .1551088 | 1.256863 | .7950541 | 6.270597 | .4294477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0019215 | .0001635 | 9.985682 | .0206008 | .0195842 | .0627209 | 42.27398 |
| #2 | .0018994 | .0000986 | 10.00948 | .0209394 | .0195202 | .0570720 | 41.95208 |
| #3 | .0020788 | .0000448 | 9.98038  | .0211176 | .0198169 | .0558350 | 41.97094 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.775562 | 10.05149 | .0250212 | .0008820 | .5879875 | .0840811 | .0881008 |
| Stddev | .007696  | .02538   | .0004812 | .0004224 | .1714944 | .0103490 | .0273506 |
| %RSD   | .4334525 | .2524732 | 1.923249 | 47.88614 | 29.16634 | 12.30838 | 31.04464 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.784360 | 10.06558 | .0244942 | .0006872 | .6668638 | .0931660 | .1026867 |
| #2 | 1.772252 | 10.06671 | .0254373 | .0005922 | .3912464 | .0728155 | .0565490 |
| #3 | 1.770075 | 10.02220 | .0251323 | .0013667 | .7058524 | .0862619 | .1050666 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.866650 | 1.234983 | .0223384 | .0003842 | .1793582 | 3.107385 | .0000030 |
| Stddev | .090819  | .003625  | .0008779 | .0001290 | .0024659 | .017025  | .0011247 |
| %RSD   | 1.866142 | .2935047 | 3.930175 | 33.56993 | 1.374857 | .5478973 | 37043.10 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.789608 | 1.235879 | .0220335 | .0004882 | .1782733 | 3.091462 | -.000589 |
| #2 | 4.843556 | 1.230994 | .0233282 | .0002399 | .1776208 | 3.125331 | .001300  |
| #3 | 4.966786 | 1.238075 | .0216536 | .0004246 | .1821806 | 3.105362 | -.000702 |

Sample Name: J5385-20LX5      Acquired: 10/17/2018 15:21:27      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MYAK79L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5869055 | .0174770 | .1417596 |
| Stddev | .0008334 | .0014245 | .0001730 |
| %RSD   | .1419919 | 8.150846 | .1220534 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5867136 | .0163492 | .1416493 |
| #2 | .5878180 | .0170038 | .1419590 |
| #3 | .5861848 | .0190779 | .1416706 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2270.174 | 2536.791 | 52631.75 | 5169.817 | 3646.341 |
| Stddev    | 10.923   | 1.721    | 346.57   | 28.439   | 5.133    |
| %RSD      | .4811470 | .0678429 | .6584742 | .5500900 | .1407588 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2261.164 | 2534.963 | 52232.96 | 5184.325 | 3641.038 |
| #2 | 2267.034 | 2538.380 | 52859.99 | 5137.050 | 3646.700 |
| #3 | 2282.322 | 2537.029 | 52802.30 | 5188.075 | 3651.285 |

Sample Name: CCV072      Acquired: 10/17/2018 15:25:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV072      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.894933 | 5.003398 | 24.88152 | 4.649987 | 4.962169 | 408.1541 | 10.17255 |
| Stddev | .015737  | .003837  | .04775   | .026267  | .004251  | .7973    | .01726   |
| %RSD   | .3215045 | .0766851 | .1919240 | .5648913 | .0856669 | .1953358 | .1696846 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.878813 | 4.999152 | 24.88761 | 4.627996 | 4.957263 | 408.0553 | 10.15434 |
| #2 | 4.895729 | 5.004423 | 24.83101 | 4.642891 | 4.964766 | 408.9962 | 10.18867 |
| #3 | 4.910258 | 5.006618 | 24.92594 | 4.679073 | 4.964477 | 407.4109 | 10.17463 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4807895 | 2.425677 | 390.8606 | 14.90766 | 2.535351 | 15.31899 | 403.4965 |
| Stddev | .0016700 | .001591  | 1.2342   | .02617   | .005985  | .00597   | 1.6277   |
| %RSD   | .3473469 | .0655696 | .3157709 | .1755226 | .2360489 | .0389425 | .4033957 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4805957 | 2.424842 | 391.6295 | 14.88473 | 2.532918 | 15.32575 | 404.7939 |
| #2 | .4825480 | 2.424677 | 391.5155 | 14.93616 | 2.530965 | 15.31675 | 404.0254 |
| #3 | .4792248 | 2.427511 | 389.4370 | 14.90210 | 2.542169 | 15.31446 | 401.6701 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.60863 | 410.7200 | 2.538264 | 1.263471 | 402.5937 | 2.451774 | 15.25204 |
| Stddev | .08069   | 1.7127   | .004182  | .001086  | .7143    | .019069  | .03300   |
| %RSD   | .5523579 | .4170089 | .1647661 | .0859416 | .1774259 | .7777602 | .2163869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.64608 | 411.6884 | 2.536078 | 1.262228 | 402.5963 | 2.469849 | 15.23473 |
| #2 | 14.66379 | 411.7292 | 2.535629 | 1.264238 | 403.3066 | 2.453627 | 15.23128 |
| #3 | 14.51601 | 408.7425 | 2.543087 | 1.263946 | 401.8780 | 2.431846 | 15.29009 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 154.7863 | 52.22855 | 4.769631 | 4.779161 | 49.84804 | 4.840992 | 5.005921 |
| Stddev | .0638    | .10024   | .026814  | .012505  | .13417   | .014515  | .004039  |
| %RSD   | .0411895 | .1919221 | .5621796 | .2616657 | .2691547 | .2998365 | .0806910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 154.7130 | 52.19695 | 4.772456 | 4.767113 | 49.76107 | 4.853487 | 5.001288 |
| #2 | 154.8290 | 52.14792 | 4.794921 | 4.778289 | 49.78049 | 4.844418 | 5.007765 |
| #3 | 154.8169 | 52.34078 | 4.741517 | 4.792079 | 50.00256 | 4.825070 | 5.008708 |

Sample Name: CCV072      Acquired: 10/17/2018 15:25:33      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV072      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.941829 | 5.108413 | 4.945043 |
| Stddev | .015845  | .012713  | .007334  |
| %RSD   | .3206312 | .2488572 | .1483058 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.943665 | 5.094405 | 4.946985 |
| #2 | 4.956676 | 5.119218 | 4.936934 |
| #3 | 4.925146 | 5.111615 | 4.951211 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1980.989 | 2115.097 | 48897.99 | 4820.183 | 2927.525 |
| Stddev    | 2.814    | 3.834    | 64.15    | 17.509   | 2.031    |
| %RSD      | .1420739 | .1812452 | .1311909 | .3632382 | .0693887 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1977.775 | 2119.519 | 48842.63 | 4801.775 | 2928.050 |
| #2 | 1983.011 | 2112.719 | 48883.05 | 4822.148 | 2925.283 |
| #3 | 1982.182 | 2113.052 | 48968.29 | 4836.627 | 2929.242 |

Sample Name: CCB072      Acquired: 10/17/2018 15:29:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB072      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024160 | -.000223 | -.000562 | -.002551 | -.000618 | -.007163 | -.003201 |
| Stddev | .0020796 | .000518  | .001046  | .002306  | .000759  | .003653  | .000818  |
| %RSD   | 86.07729 | 232.4545 | 186.1737 | 90.39111 | 122.8315 | 51.00089 | 25.54038 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0032233 | -.000199 | -.000423 | -.003898 | -.000360 | -.009814 | -.002304 |
| #2 | .0039709 | -.000753 | .000408  | -.003868 | -.000021 | -.002996 | -.003394 |
| #3 | .0000538 | .000283  | -.001670 | .000112  | -.001472 | -.008678 | -.003905 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000368 | .0000760 | -.024608 | .0000155 | -.000173 | -.001590 | .0201103 |
| Stddev | .0000328 | .0000829 | .013611  | .0002493 | .000270  | .002968  | .0219761 |
| %RSD   | 89.24275 | 109.1528 | 55.31217 | 1612.343 | 156.0859 | 186.6600 | 109.2777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000014 | .0001026 | -.025348 | .0000885 | -.000142 | -.002778 | .0158227 |
| #2 | .0000427 | .0001423 | -.010642 | .0002201 | -.000457 | .001788  | .0005940 |
| #3 | .0000663 | -.000017 | -.037834 | -.000262 | .000080  | -.003780 | .0439141 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012242 | -.022438 | .0001608 | .0004596 | -.303279 | .0055261 | -.007711 |
| Stddev | .0021055 | .029314  | .0005531 | .0002972 | .180217  | .0015465 | .006031  |
| %RSD   | 171.9818 | 130.6414 | 344.0077 | 64.66575 | 59.42263 | 27.98577 | 78.20958 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035647 | -.055722 | .0007995 | .0002299 | -.298811 | .0042594 | -.006237 |
| #2 | -.000516 | -.011130 | -.000157 | .0007954 | -.125339 | .0072496 | -.002554 |
| #3 | .000624  | -.000463 | -.000160 | .0003537 | -.485689 | .0050694 | -.014343 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1319830 | -.003311 | .0101916 | -.000092 | -.001584 | .0000760 | -.000872 |
| Stddev | .0509787 | .001097  | .0002067 | .000196  | .004157  | .0001331 | .000758  |
| %RSD   | 38.62518 | 33.14077 | 2.027733 | 212.1902 | 262.4746 | 175.1031 | 86.92679 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1905073 | -.003005 | .0100396 | -.000078 | .001858  | -.000076 | -.000879 |
| #2 | .1081984 | -.004530 | .0104270 | .000096  | -.000407 | .000136  | -.001627 |
| #3 | .0972433 | -.002400 | .0101083 | -.000295 | -.006202 | .000169  | -.000111 |

Sample Name: CCB072      Acquired: 10/17/2018 15:29:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB072      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002217 | -.003975 | -.000017 |
| Stddev | .002700  | .000749  | .000045  |
| %RSD   | 121.7691 | 18.84658 | 268.7481 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002118 | -.003765 | .000028  |
| #2 | .000432  | -.003354 | -.000062 |
| #3 | -.004966 | -.004807 | -.000016 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2205.443 | 2463.193 | 50663.90 | 4967.142 | 3630.793 |
| Stddev    | 16.625   | 3.962    | 201.20   | 22.668   | 6.415    |
| %RSD      | .7538278 | .1608652 | .3971324 | .4563491 | .1766964 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2215.791 | 2459.484 | 50580.95 | 4973.675 | 3623.512 |
| #2 | 2186.266 | 2467.367 | 50517.43 | 4941.925 | 3635.619 |
| #3 | 2214.271 | 2462.728 | 50893.31 | 4985.825 | 3633.247 |



Sample Name: J5321-10      Acquired: 10/17/2018 15:38:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0746681 | .0073332 | .6268654 | -.015946 | .0034915 | 84.51511 | .7549299 |
| Stddev | .0050030 | .0014673 | .0018308 | .002723  | .0013660 | .15692   | .0024990 |
| %RSD   | 6.700320 | 20.00833 | .2920634 | 17.07501 | 39.12459 | .1856698 | .3310252 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0758737 | .0056554 | .6287818 | -.015116 | .0044521 | 84.34971 | .7527813 |
| #2 | .0789581 | .0079688 | .6251342 | -.018987 | .0040947 | 84.66189 | .7576723 |
| #3 | .0691725 | .0083756 | .6266801 | -.013734 | .0019277 | 84.53372 | .7543361 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068007 | .0018306 | 30.83934 | .1189271 | .2348629 | .1669196 | 189.3703 |
| Stddev | .0000528 | .0001825 | .12133   | .0009087 | .0005221 | .0032893 | .5902    |
| %RSD   | .7768366 | 9.969637 | .3934392 | .7640523 | .2222988 | 1.970569 | .3116892 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0068368 | .0019254 | 30.73638 | .1194250 | .2351540 | .1690152 | 189.0391 |
| #2 | .0067401 | .0019461 | 30.80854 | .1178783 | .2342601 | .1631286 | 189.0200 |
| #3 | .0068252 | .0016202 | 30.97311 | .1194780 | .2351745 | .1686152 | 190.0518 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.201957 | 19.00146 | .1271953 | .0026293 | .6901999 | .2921556 | .3737568 |
| Stddev | .016235  | .21930   | .0002528 | .0003966 | .1880213 | .0036780 | .0074937 |
| %RSD   | .2617712 | 1.154146 | .1987439 | 15.08319 | 27.24157 | 1.258917 | 2.004954 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.200946 | 18.75939 | .1270129 | .0022159 | .8908991 | .2929129 | .3784362 |
| #2 | 6.186252 | 19.05810 | .1270891 | .0030065 | .5181434 | .2953959 | .3651138 |
| #3 | 6.218674 | 19.18689 | .1274838 | .0026656 | .6615571 | .2881578 | .3777205 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.914751 | 1.480843 | .0870672 | .0080088 | .8797909 | 6.674363 | .0031121 |
| Stddev | .059210  | .005502  | .0023725 | .0003265 | .0038533 | .022843  | .0001049 |
| %RSD   | 1.512475 | .3715423 | 2.724868 | 4.076303 | .4379752 | .3422477 | 3.369198 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.920046 | 1.487119 | .0885351 | .0077076 | .8842396 | 6.649291 | .0030778 |
| #2 | 3.971135 | 1.476853 | .0843301 | .0083557 | .8775037 | 6.679807 | .0032298 |
| #3 | 3.853071 | 1.478555 | .0883363 | .0079632 | .8776293 | 6.693993 | .0030286 |

Sample Name: J5321-10      Acquired: 10/17/2018 15:38:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8282666 | .0395148 | .0556347 |
| Stddev | .0021176 | .0015953 | .0000755 |
| %RSD   | .2556630 | 4.037268 | .1356170 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8260727 | .0410477 | .0556093 |
| #2 | .8302986 | .0396331 | .0557196 |
| #3 | .8284287 | .0378637 | .0555752 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2391.714 | 2658.267 | 55948.03 | 5538.016 | 3555.432 |
| Stddev    | 11.142   | 3.739    | 77.11    | 21.734   | 7.014    |
| %RSD      | .4658604 | .1406658 | .1378318 | .3924456 | .1972679 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2402.662 | 2657.550 | 55921.58 | 5563.012 | 3548.594 |
| #2 | 2392.093 | 2654.939 | 56034.89 | 5523.573 | 3555.095 |
| #3 | 2380.387 | 2662.313 | 55887.62 | 5527.465 | 3562.609 |

Sample Name: J5321-11      Acquired: 10/17/2018 15:42:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0701828 | .0089271 | 9.447952 | -.015966 | .0054888 | 63.83865 | 1.796477 |
| Stddev | .0018151 | .0013314 | .018038  | .002824  | .0023948 | .13135   | .003041  |
| %RSD   | 2.586253 | 14.91435 | .1909206 | 17.68427 | 43.63150 | .2057460 | .1692506 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0715120 | .0077265 | 9.437764 | -.016149 | .0046789 | 63.69210 | 1.795882 |
| #2 | .0709215 | .0086957 | 9.437313 | -.013056 | .0036038 | 63.94577 | 1.799771 |
| #3 | .0681148 | .0103590 | 9.468779 | -.018694 | .0081835 | 63.87807 | 1.793778 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0067796 | .0117932 | 81.76432 | .1507192 | .5233039 | .3930960 | 183.0139 |
| Stddev | .0000252 | .0001012 | .20147   | .0011313 | .0013180 | .0005984 | .3295    |
| %RSD   | .3718582 | .8581546 | .2464025 | .7505810 | .2518623 | .1522199 | .1800279 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067708 | .0118517 | 81.66324 | .1506476 | .5226499 | .3931604 | 182.7890 |
| #2 | .0067599 | .0116763 | 81.63341 | .1518846 | .5224409 | .3924680 | 182.8606 |
| #3 | .0068080 | .0118516 | 81.99632 | .1496254 | .5248211 | .3936595 | 183.3921 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.15987 | 36.65079 | .5433906 | .0032993 | .4678480 | .2853720 | 3.223661 |
| Stddev | .04407   | .01912   | .0007526 | .0002887 | .1299362 | .0063776 | .021637  |
| %RSD   | .4337812 | .0521784 | .1384938 | 8.751005 | 27.77317 | 2.234820 | .6711820 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.14451 | 36.65679 | .5441965 | .0030826 | .5193279 | .2791524 | 3.219289 |
| #2 | 10.12553 | 36.62939 | .5432692 | .0036271 | .3200597 | .2918966 | 3.204544 |
| #3 | 10.20957 | 36.66620 | .5427061 | .0031882 | .5641564 | .2850671 | 3.247150 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.187437 | 9.264739 | .0883587 | .0061182 | 2.859057 | 6.372190 | .0217633 |
| Stddev | .038799  | .020235  | .0040223 | .0004101 | .008028  | .030948  | .0005618 |
| %RSD   | .6270653 | .2184139 | 4.552198 | 6.702260 | .2808089 | .4856799 | 2.581382 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.149682 | 9.260015 | .0863431 | .0056528 | 2.867941 | 6.396774 | .0221963 |
| #2 | 6.227203 | 9.247284 | .0929902 | .0062751 | 2.852322 | 6.337437 | .0211285 |
| #3 | 6.185427 | 9.286919 | .0857427 | .0064266 | 2.856907 | 6.382359 | .0219652 |

Sample Name: J5321-11      Acquired: 10/17/2018 15:42:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.049832 | .0345420 | .1258024 |
| Stddev | .003019  | .0005256 | .0002982 |
| %RSD   | .2875268 | 1.521553 | .2370581 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.046884 | .0351475 | .1254953 |
| #2 | 1.052917 | .0342748 | .1260909 |
| #3 | 1.049695 | .0342037 | .1258210 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2324.487 | 2585.193 | 54583.53 | 5379.893 | 3521.178 |
| Stddev    | 4.887    | 3.995    | 231.96   | 19.670   | 5.420    |
| %RSD      | .2102506 | .1545196 | .4249602 | .3656225 | .1539128 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2329.729 | 2586.738 | 54590.44 | 5364.710 | 3519.764 |
| #2 | 2320.057 | 2588.185 | 54348.19 | 5402.114 | 3527.165 |
| #3 | 2323.673 | 2580.657 | 54811.95 | 5372.855 | 3516.606 |

Sample Name: J5321-12      Acquired: 10/17/2018 15:46:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0541193 | .0124374 | 1.298267 | -.017319 | .0041037 | 93.79020 | 4.906586 |
| Stddev | .0036102 | .0039511 | .003441  | .001683  | .0016986 | .24477   | .013330  |
| %RSD   | 6.670876 | 31.76784 | .2650603 | 9.719474 | 41.39124 | .2609739 | .2716780 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0513506 | .0093003 | 1.297678 | -.015375 | .0059378 | 94.05922 | 4.921298 |
| #2 | .0582026 | .0111370 | 1.295157 | -.018297 | .0037881 | 93.58065 | 4.903150 |
| #3 | .0528046 | .0168747 | 1.301964 | -.018284 | .0025850 | 93.73073 | 4.895310 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068530 | .0031340 | 302.1655 | .1236816 | .1617188 | .2192824 | 169.1061 |
| Stddev | .0001216 | .0000288 | 1.0363   | .0008306 | .0006597 | .0010016 | .6352    |
| %RSD   | 1.773713 | .9177548 | .3429604 | .6715516 | .4079344 | .4567754 | .3756162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067634 | .0031406 | 303.1620 | .1227241 | .1622502 | .2193095 | 169.8088 |
| #2 | .0069913 | .0031025 | 301.0935 | .1242080 | .1619259 | .2182676 | 168.9366 |
| #3 | .0068041 | .0031589 | 302.2410 | .1241126 | .1609804 | .2202703 | 168.5728 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.83182 | 23.55883 | .1663348 | .0025008 | .7905816 | .2889786 | .5566311 |
| Stddev | .04726   | .03541   | .0001261 | .0004642 | .0348625 | .0051613 | .0234850 |
| %RSD   | .3416761 | .1503238 | .0758226 | 18.56360 | 4.409726 | 1.786043 | 4.219133 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.88498 | 23.55025 | .1663486 | .0028523 | .8301154 | .2928460 | .5548068 |
| #2 | 13.79457 | 23.52850 | .1664534 | .0026755 | .7642419 | .2909718 | .5809751 |
| #3 | 13.81591 | 23.59775 | .1662023 | .0019745 | .7773876 | .2831179 | .5341115 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.269474 | 8.858960 | .1087368 | .0063472 | 1.579159 | 6.594568 | .0169615 |
| Stddev | .046417  | .009579  | .0019007 | .0003998 | .002548  | .021661  | .0006584 |
| %RSD   | .5613099 | .1081325 | 1.748009 | 6.298419 | .1613428 | .3284731 | 3.881550 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.226539 | 8.861702 | .1109315 | .0067661 | 1.576857 | 6.572313 | .0162546 |
| #2 | 8.318727 | 8.848309 | .1076224 | .0063056 | 1.578723 | 6.595808 | .0170727 |
| #3 | 8.263155 | 8.866870 | .1076566 | .0059698 | 1.581897 | 6.615582 | .0175571 |

Sample Name: J5321-12      Acquired: 10/17/2018 15:46:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.047680 | .0606640 | 2.285477 |
| Stddev | .007378  | .0014050 | .005573  |
| %RSD   | .7042156 | 2.316038 | .2438313 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.052699 | .0622666 | 2.289740 |
| #2 | 1.039209 | .0600813 | 2.287520 |
| #3 | 1.051132 | .0596442 | 2.279171 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2273.855 | 2504.877 | 53809.03 | 5287.444 | 3334.809 |
| Stddev    | 10.439   | 2.705    | 238.87   | 22.748   | 4.810    |
| %RSD      | .4590867 | .1079991 | .4439176 | .4302333 | .1442509 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2263.459 | 2501.756 | 53538.05 | 5281.987 | 3330.466 |
| #2 | 2284.336 | 2506.327 | 53989.10 | 5312.425 | 3339.979 |
| #3 | 2273.770 | 2506.548 | 53899.92 | 5267.921 | 3333.981 |

Sample Name: J5321-13      Acquired: 10/17/2018 15:50:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1143426 | .0209498 | 27.95200 | -.025217 | .0180259 | 94.69340 |
| Stddev | .0024780 | .0035963 | .07981   | .000788  | .0019201 | .13452   |
| %RSD   | 2.167210 | 17.16627 | .2855298 | 3.124192 | 10.65163 | .1420613 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1165191 | .0168506 | 27.86356 | -.024659 | .0185715 | 94.84853 |
| #2 | .1148630 | .0235746 | 27.97377 | -.026118 | .0158921 | 94.60887 |
| #3 | .1116457 | .0224243 | 28.01867 | -.024874 | .0196142 | 94.62281 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 11.07263 | .0088012 | .0260988 | F 813.4259 | .2796126 | 1.115919 |
| Stddev | .01191   | .0001040 | .0000804 | 2.6064     | .0008967 | .002992  |
| %RSD   | .1075853 | 1.182210 | .3080960 | .3204264   | .3206993 | .2681547 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 11.08367 | .0089028 | .0261126 | 816.2316 | .2803667 | 1.112575 |
| #2 | 11.07421 | .0086949 | .0260124 | 811.0800 | .2786210 | 1.116836 |
| #3 | 11.06000 | .0088060 | .0261714 | 812.9660 | .2798500 | 1.118345 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.037948 | 227.7949 | 24.75512 | 136.2211 | 1.513541 | .0135114 |
| Stddev | .007696  | .8782    | .11336   | .6390    | .004260  | .0002539 |
| %RSD   | .2533239 | .3855214 | .4579063 | .4690856 | .2814337 | 1.879339 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.044019 | 228.6829 | 24.87997 | 136.8721 | 1.508796 | .0133662 |
| #2 | 3.040533 | 226.9269 | 24.65866 | 135.5948 | 1.514794 | .0133633 |
| #3 | 3.029293 | 227.7750 | 24.72674 | 136.1965 | 1.517034 | .0138046 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.728824 | .2732983 | 4.569283 | 14.48368 | 19.85934 | .2829621 |
| Stddev | .253563  | .0026871 | .031461  | .03709   | .05315   | .0011976 |
| %RSD   | 6.800090 | .9832142 | .6885238 | .2561026 | .2676097 | .4232211 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.437138 | .2762885 | 4.598691 | 14.51959 | 19.79851 | .2830470 |
| #2 | 3.896666 | .2710857 | 4.536109 | 14.44550 | 19.89682 | .2841149 |
| #3 | 3.852669 | .2725209 | 4.573049 | 14.48595 | 19.88267 | .2817243 |

Sample Name: J5321-13      Acquired: 10/17/2018 15:50:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0220575 | 10.21592 | 3.118873 | .0382100 | 1.285398 | .0835069 |
| Stddev | .0001662 | .02739   | .012396  | .0005640 | .006389  | .0009736 |
| %RSD   | .7533823 | .2680834 | .3974397 | 1.475979 | .4970444 | 1.165885 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0220550 | 10.24607 | 3.132899 | .0386969 | 1.292772 | .0834463 |
| #2 | .0218925 | 10.19258 | 3.114326 | .0383410 | 1.281906 | .0825650 |
| #3 | .0222248 | 10.20910 | 3.109392 | .0375921 | 1.281516 | .0845094 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.071694 |
| Stddev | .011512  |
| %RSD   | .2827384 |

|    |          |
|----|----------|
| #1 | 4.084656 |
| #2 | 4.062659 |
| #3 | 4.067767 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2249.825 | 2449.360 | 54140.40 | 5395.597 | 3093.142 |
| Stddev    | 3.912    | 1.840    | 23.37    | 19.814   | 4.493    |
| %RSD      | .1738592 | .0751357 | .0431623 | .3672342 | .1452486 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2249.250 | 2449.478 | 54141.37 | 5373.503 | 3097.031 |
| #2 | 2246.233 | 2451.138 | 54163.27 | 5411.793 | 3094.170 |
| #3 | 2253.992 | 2447.463 | 54116.57 | 5401.495 | 3088.224 |



Sample Name: J5321-14      Acquired: 10/17/2018 15:54:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0202549 | -.000209 | .1222460 | -.021195 | .0066618 | 160.3034 | .7326055 |
| Stddev | .0012789 | .003615  | .0022037 | .002040  | .0022097 | .2350    | .0022625 |
| %RSD   | 6.313969 | 1728.868 | 1.802688 | 9.626869 | 33.17069 | .1465699 | .3088334 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0217306 | -.000467 | .1202267 | -.022934 | .0059097 | 160.5210 | .7350877 |
| #2 | .0195643 | .003528  | .1245967 | -.021702 | .0049262 | 160.3349 | .7320700 |
| #3 | .0194696 | -.003689 | .1219147 | -.018949 | .0091494 | 160.0543 | .7306587 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063328 | .0020080 | 4.385773 | .1831478 | .0525453 | .0755323 | 235.6445 |
| Stddev | .0000985 | .0000563 | .032419  | .0006805 | .0004370 | .0024168 | .3067    |
| %RSD   | 1.555811 | 2.803505 | .7391838 | .3715403 | .8315933 | 3.199638 | .1301520 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062648 | .0019790 | 4.416785 | .1827995 | .0521138 | .0777827 | 235.7407 |
| #2 | .0064458 | .0019722 | 4.352110 | .1839319 | .0529876 | .0758363 | 235.8916 |
| #3 | .0062878 | .0020729 | 4.388425 | .1827119 | .0525345 | .0729779 | 235.3012 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3202897 | 11.48025 | .0678278 | .0030934 | .9032534 | .4515880 | .1025404 |
| Stddev | .0037572 | .13430   | .0001770 | .0003834 | .1622690 | .0118930 | .0107331 |
| %RSD   | 1.173050 | 1.169827 | .2610322 | 12.39517 | 17.96495 | 2.633593 | 10.46723 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3178087 | 11.62653 | .0676336 | .0028828 | .7233031 | .4646579 | .1111764 |
| #2 | .3184480 | 11.45171 | .0678695 | .0028615 | 1.038446 | .4487038 | .0905240 |
| #3 | .3246123 | 11.36252 | .0679802 | .0035360 | .948011  | .4414024 | .1059207 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.231841 | .4302016 | .0996536 | .0065356 | 2.009653 | 2.572355 | .0060677 |
| Stddev | .052325  | .0035148 | .0023213 | .0000845 | .014655  | .017871  | .0011728 |
| %RSD   | 2.344455 | .8170179 | 2.329314 | 1.292845 | .7292450 | .6947490 | 19.32798 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.282924 | .4262950 | .0979735 | .0064382 | 1.992744 | 2.575772 | .0053900 |
| #2 | 2.234241 | .4331075 | .0986851 | .0065790 | 2.018679 | 2.588272 | .0053912 |
| #3 | 2.178357 | .4312024 | .1023023 | .0065896 | 2.017537 | 2.553022 | .0074219 |

Sample Name: J5321-14      Acquired: 10/17/2018 15:54:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4884964 | .0396784 | .0809783 |
| Stddev | .0007664 | .0014471 | .0002292 |
| %RSD   | .1568968 | 3.647137 | .2830367 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4878408 | .0397309 | .0810779 |
| #2 | .4893390 | .0410985 | .0811408 |
| #3 | .4883093 | .0382057 | .0807161 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2498.054 | 2782.926 | 58312.28 | 5782.375 | 3470.928 |
| Stddev    | 1.772    | 6.893    | 64.37    | 17.547   | 11.187   |
| %RSD      | .0709274 | .2476935 | .1103866 | .3034633 | .3222957 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2499.525 | 2780.835 | 58321.55 | 5764.369 | 3480.863 |
| #2 | 2498.550 | 2790.623 | 58371.50 | 5783.330 | 3473.110 |
| #3 | 2496.088 | 2777.321 | 58243.77 | 5799.425 | 3458.812 |

Sample Name: J5321-15      Acquired: 10/17/2018 15:58:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0943637 | .0263732 | 5.095015 | -.026321 | .0087008 | 74.48909 | 3.174606 |
| Stddev | .0064756 | .0025557 | .004983  | .001833  | .0014898 | .23783   | .010796  |
| %RSD   | 6.862407 | 9.690663 | .0978010 | 6.963879 | 17.12292 | .3192827 | .3400707 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0868934 | .0292968 | 5.098939 | -.027861 | .0096017 | 74.23115 | 3.162719 |
| #2 | .0983818 | .0245634 | 5.089409 | -.024293 | .0095195 | 74.53642 | 3.183802 |
| #3 | .0978158 | .0252595 | 5.096698 | -.026807 | .0069811 | 74.69970 | 3.177297 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0133210 | .0128250 | 78.57889 | .1227402 | .6028904 | .8062166 | 272.5878 |
| Stddev | .0000702 | .0002070 | .52055   | .0004874 | .0007425 | .0017093 | 1.6855   |
| %RSD   | .5271501 | 1.614436 | .6624607 | .3971161 | .1231624 | .2120186 | .6183175 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0132464 | .0130619 | 78.36341 | .1227607 | .6027051 | .8054834 | 272.1242 |
| #2 | .0133310 | .0126789 | 78.20067 | .1232170 | .6037081 | .8081702 | 271.1826 |
| #3 | .0133858 | .0127342 | 79.17258 | .1222428 | .6022581 | .8049962 | 274.4565 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.35881 | 36.00888 | .7551618 | .0058892 | .5693962 | .3600125 | 1.380064 |
| Stddev | .15977   | .27084   | .0009921 | .0001840 | .0498153 | .0038807 | .010407  |
| %RSD   | .6300466 | .7521542 | .1313792 | 3.124938 | 8.748792 | 1.077934 | .7540672 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.30210 | 35.98416 | .7552760 | .0057374 | .5504658 | .3573655 | 1.383041 |
| #2 | 25.23513 | 35.75124 | .7541175 | .0058362 | .6259018 | .3644673 | 1.388658 |
| #3 | 25.53921 | 36.29123 | .7560918 | .0060939 | .5318211 | .3582048 | 1.368493 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.151628 | 5.201496 | .1226841 | .0087481 | 2.923415 | 2.741499 | .0127358 |
| Stddev | .045580  | .003468  | .0011389 | .0002874 | .007413  | .015754  | .0003884 |
| %RSD   | .8847651 | .0666676 | .9283376 | 3.285676 | .2535621 | .5746649 | 3.049940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.100062 | 5.198260 | .1223693 | .0090136 | 2.916319 | 2.737706 | .0124595 |
| #2 | 5.186535 | 5.205156 | .1239473 | .0084429 | 2.922818 | 2.727987 | .0131799 |
| #3 | 5.168287 | 5.201071 | .1217357 | .0087876 | 2.931109 | 2.758803 | .0125680 |

Sample Name: J5321-15      Acquired: 10/17/2018 15:58:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACL7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8960141 | .0462900 | .0810412 |
| Stddev | .0008539 | .0022299 | .0003688 |
| %RSD   | .0953025 | 4.817311 | .4550507 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8952859 | .0437538 | .0806316 |
| #2 | .8969540 | .0479431 | .0811449 |
| #3 | .8958024 | .0471732 | .0813469 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2615.771 | 2887.226 | 61715.21 | 6079.363 | 3422.796 |
| Stddev    | 9.794    | 7.705    | 90.01    | 29.609   | 10.894   |
| %RSD      | .3744314 | .2668610 | .1458466 | .4870471 | .3182695 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2604.574 | 2878.428 | 61618.21 | 6077.108 | 3410.369 |
| #2 | 2619.987 | 2892.768 | 61731.39 | 6110.036 | 3427.320 |
| #3 | 2622.751 | 2890.483 | 61796.03 | 6050.946 | 3430.699 |

Sample Name: J5321-16      Acquired: 10/17/2018 16:02:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0591299 | .0111635 | 2.158021 | -.016855 | .0056437 | 65.34180 | 2.180360 |
| Stddev | .0006844 | .0024609 | .007029  | .002243  | .0013709 | .02067   | .003053  |
| %RSD   | 1.157529 | 22.04432 | .3257175 | 13.30687 | 24.29103 | .0316390 | .1400292 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0583406 | .0110017 | 2.156777 | -.014602 | .0045638 | 65.36545 | 2.178253 |
| #2 | .0595597 | .0087875 | 2.151697 | -.019088 | .0051812 | 65.32719 | 2.183862 |
| #3 | .0594894 | .0137014 | 2.165589 | -.016875 | .0071860 | 65.33274 | 2.178967 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086765 | .0062047 | 73.52244 | .1049354 | .2313470 | .4418911 | 148.5127 |
| Stddev | .0001232 | .0000738 | .16995   | .0010652 | .0009866 | .0045289 | .6553    |
| %RSD   | 1.419592 | 1.189996 | .2311544 | 1.015074 | .4264696 | 1.024901 | .4412238 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0087247 | .0061197 | 73.70534 | .1037301 | .2313480 | .4466542 | 149.1389 |
| #2 | .0087684 | .0062422 | 73.36940 | .1053261 | .2303599 | .4376398 | 147.8318 |
| #3 | .0085366 | .0062523 | 73.49259 | .1057501 | .2323331 | .4413791 | 148.5672 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.96953 | 10.32231 | .2509496 | .0035409 | .7043101 | .2298801 | 1.234422 |
| Stddev | .03692   | .00736   | .0006673 | .0003470 | .1302003 | .0037050 | .001291  |
| %RSD   | .2642755 | .0712850 | .2659228 | 9.799842 | 18.48622 | 1.611703 | .1045611 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.97923 | 10.31885 | .2516833 | .0037716 | .8080722 | .2260998 | 1.233612 |
| #2 | 13.92873 | 10.31731 | .2507864 | .0031418 | .7466479 | .2335049 | 1.235911 |
| #3 | 14.00063 | 10.33076 | .2503789 | .0037092 | .5582102 | .2300357 | 1.233744 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.600904 | 6.836804 | .0903943 | .0062143 | 2.396004 | 2.377760 | .1284670 |
| Stddev | .024635  | .015937  | .0008098 | .0002871 | .001676  | .013283  | .0018100 |
| %RSD   | .5354372 | .2331108 | .8957944 | 4.619920 | .0699440 | .5586373 | 1.408887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.598080 | 6.818544 | .0902623 | .0061332 | 2.395884 | 2.378341 | .1263910 |
| #2 | 4.577803 | 6.843955 | .0896587 | .0065332 | 2.394392 | 2.390743 | .1297136 |
| #3 | 4.626830 | 6.847913 | .0912619 | .0059765 | 2.397737 | 2.364196 | .1292964 |

Sample Name: J5321-16      Acquired: 10/17/2018 16:02:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6905058 | .0231214 | .3712978 |
| Stddev | .0054896 | .0009634 | .0003799 |
| %RSD   | .7950073 | 4.166761 | .1023288 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6904225 | .0228509 | .3710993 |
| #2 | .6960365 | .0223221 | .3717358 |
| #3 | .6850583 | .0241911 | .3710582 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2606.096 | 2897.387 | 61052.01 | 6116.122 | 3528.581 |
| Stddev    | 11.484   | 5.146    | 37.89    | 25.273   | 5.670    |
| %RSD      | .4406547 | .1775936 | .0620667 | .4132239 | .1606818 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2595.430 | 2903.205 | 61045.93 | 6118.857 | 3526.961 |
| #2 | 2618.252 | 2895.522 | 61092.58 | 6089.592 | 3534.885 |
| #3 | 2604.607 | 2893.434 | 61017.53 | 6139.916 | 3523.898 |

Sample Name: J5321-17      Acquired: 10/17/2018 16:06:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0539763 | .0119775 | 1.358251 | -.015399 | .0039899 | 65.97894 | 1.602922 |
| Stddev | .0005701 | .0009235 | .008001  | .001928  | .0011611 | .17886   | .001144  |
| %RSD   | 1.056149 | 7.710312 | .5890489 | 12.52330 | 29.10053 | .2710901 | .0713787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0538591 | .0116863 | 1.357427 | -.017372 | .0051488 | 65.79838 | 1.603219 |
| #2 | .0545959 | .0112346 | 1.350694 | -.015306 | .0039941 | 65.98238 | 1.603888 |
| #3 | .0534740 | .0130114 | 1.366632 | -.013519 | .0028267 | 66.15605 | 1.601659 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085545 | .0050769 | 39.04479 | .0905024 | .1640858 | .2868215 | 139.1572 |
| Stddev | .0000086 | .0001508 | .14965   | .0004257 | .0003850 | .0036854 | .3358    |
| %RSD   | .1008676 | 2.969354 | .3832766 | .4703189 | .2346523 | 1.284898 | .2412793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0085643 | .0051282 | 38.94253 | .0905627 | .1637048 | .2891943 | 138.8790 |
| #2 | .0085513 | .0051953 | 38.97528 | .0908947 | .1640779 | .2886943 | 139.0625 |
| #3 | .0085480 | .0049072 | 39.21655 | .0900499 | .1644748 | .2825758 | 139.5301 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.22287 | 13.39123 | .1841131 | .0031564 | .5441226 | .2271191 | .7742128 |
| Stddev | .04610   | .04048   | .0008518 | .0002665 | .0859611 | .0063361 | .0099470 |
| %RSD   | .3486377 | .3022800 | .4626705 | 8.443383 | 15.79811 | 2.789764 | 1.284786 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.17942 | 13.38291 | .1843040 | .0034213 | .5957263 | .2210018 | .7722566 |
| #2 | 13.21796 | 13.35556 | .1831820 | .0031597 | .4448898 | .2267022 | .7849926 |
| #3 | 13.27123 | 13.43522 | .1848532 | .0028883 | .5917518 | .2336534 | .7653893 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.426843 | 8.544655 | .0723538 | .0036088 | 1.925311 | 2.106382 | .0257645 |
| Stddev | .042052  | .015403  | .0010505 | .0001230 | .002141  | .007598  | .0014066 |
| %RSD   | .9499283 | .1802600 | 1.451826 | 3.407204 | .1112173 | .3607204 | 5.459332 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.395018 | 8.559870 | .0722990 | .0036293 | 1.926991 | 2.109395 | .0273767 |
| #2 | 4.410995 | 8.529071 | .0734305 | .0034769 | 1.922900 | 2.112012 | .0251287 |
| #3 | 4.474516 | 8.545024 | .0713318 | .0037203 | 1.926041 | 2.097740 | .0247881 |

Sample Name: J5321-17      Acquired: 10/17/2018 16:06:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACL9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6492656 | .0185203 | .1448926 |
| Stddev | .0048431 | .0006971 | .0003994 |
| %RSD   | .7459317 | 3.763825 | .2756851 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6437743 | .0181890 | .1445870 |
| #2 | .6510947 | .0193213 | .1447462 |
| #3 | .6529277 | .0180507 | .1453446 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2605.867 | 2894.303 | 60972.15 | 6028.569 | 3518.445 |
| Stddev    | 4.467    | 4.385    | 119.32   | 21.933   | 6.177    |
| %RSD      | .1714139 | .1514919 | .1956890 | .3638192 | .1755630 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2609.915 | 2890.089 | 60999.85 | 6053.885 | 3511.374 |
| #2 | 2606.612 | 2898.841 | 60841.42 | 6016.524 | 3522.795 |
| #3 | 2601.075 | 2893.979 | 61075.18 | 6015.297 | 3521.165 |



Sample Name: J5321-18      Acquired: 10/17/2018 16:10:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0441473 | .0262639 | .6754874 | -.015174 | .0037699 | 90.01680 | 2.773271 |
| Stddev | .0035897 | .0021580 | .0055631 | .001246  | .0002543 | .14843   | .008262  |
| %RSD   | 8.131203 | 8.216654 | .8235676 | 8.209874 | 6.744694 | .1648874 | .2979310 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0476175 | .0237783 | .6693507 | -.014766 | .0039561 | 90.05282 | 2.780054 |
| #2 | .0404490 | .0276593 | .6801999 | -.014184 | .0038733 | 89.85368 | 2.764069 |
| #3 | .0443753 | .0273542 | .6769117 | -.016573 | .0034802 | 90.14390 | 2.775691 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0105352 | .0056639 | 12.20044 | .0778219 | .2086967 | .1609803 | 162.9229 |
| Stddev | .0000710 | .0001539 | .04218   | .0000420 | .0007423 | .0003638 | .2301    |
| %RSD   | .6735902 | 2.716677 | .3456963 | .0539968 | .3556648 | .2260050 | .1412084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105049 | .0055510 | 12.23522 | .0778289 | .2079679 | .1608705 | 162.6573 |
| #2 | .0104845 | .0056015 | 12.15353 | .0777768 | .2094518 | .1613864 | 163.0618 |
| #3 | .0106163 | .0058392 | 12.21258 | .0778600 | .2086705 | .1606841 | 163.0495 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.12126 | 9.078999 | .2249251 | .0034600 | .3309514 | .2910690 | .3369112 |
| Stddev | .04514   | .074594  | .0015034 | .0001374 | .0957226 | .0039001 | .0187233 |
| %RSD   | .1728148 | .8216115 | .6683901 | 3.970065 | 28.92347 | 1.339937 | 5.557326 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.09186 | 9.119489 | .2232659 | .0035553 | .4225096 | .2942629 | .3244592 |
| #2 | 26.17324 | 8.992916 | .2261968 | .0033026 | .3387972 | .2922216 | .3584431 |
| #3 | 26.09869 | 9.124593 | .2253127 | .0035222 | .2315473 | .2867224 | .3278313 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.336171 | 2.728368 | .0687669 | .0045582 | .9645175 | 2.165546 | .0061045 |
| Stddev | .039793  | .016709  | .0014583 | .0002552 | .0065662 | .017126  | .0006182 |
| %RSD   | .5424169 | .6124077 | 2.120675 | 5.597850 | .6807770 | .7908493 | 10.12643 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.298955 | 2.709938 | .0674949 | .0044789 | .9669533 | 2.159966 | .0061814 |
| #2 | 7.331441 | 2.732642 | .0703585 | .0048436 | .9570814 | 2.151906 | .0054515 |
| #3 | 7.378117 | 2.742525 | .0684471 | .0043521 | .9695177 | 2.184767 | .0066806 |

Sample Name: J5321-18      Acquired: 10/17/2018 16:10:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACM0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.174630 | .0350418 | .0590841 |
| Stddev | .003733  | .0006858 | .0001759 |
| %RSD   | .3178434 | 1.957022 | .2976903 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.172180 | .0342502 | .0592196 |
| #2 | 1.172785 | .0354215 | .0588853 |
| #3 | 1.178927 | .0354539 | .0591474 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2764.109 | 3075.137 | 64462.95 | 6365.807 | 3558.340 |
| Stddev    | 5.615    | 1.488    | 295.91   | 17.726   | 5.798    |
| %RSD      | .2031225 | .0483938 | .4590377 | .2784502 | .1629491 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2760.315 | 3076.041 | 64152.32 | 6345.793 | 3565.016 |
| #2 | 2770.559 | 3073.419 | 64494.99 | 6379.525 | 3554.557 |
| #3 | 2761.454 | 3075.951 | 64741.53 | 6372.102 | 3555.448 |

Sample Name: J5321-19      Acquired: 10/17/2018 16:14:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1807092 | .0283858 | 6.647828 | -.025803 | .0084159 | 87.13915 | 2.912282 |
| Stddev | .0017667 | .0028962 | .010472  | .004669  | .0017005 | .19511   | .005593  |
| %RSD   | .9776537 | 10.20312 | .1575235 | 18.09508 | 20.20570 | .2239013 | .1920364 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1824408 | .0292518 | 6.651324 | -.022968 | .0072428 | 87.01349 | 2.911145 |
| #2 | .1807774 | .0251554 | 6.636055 | -.031192 | .0103661 | 87.04005 | 2.907345 |
| #3 | .1789094 | .0307502 | 6.656104 | -.023248 | .0076388 | 87.36392 | 2.918355 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101385 | .0156810 | 83.78438 | .1280448 | .3143983 | .6789254 | 241.8225 |
| Stddev | .0000966 | .0001521 | .08013   | .0004961 | .0006604 | .0099547 | .3391    |
| %RSD   | .9526097 | .9697296 | .0956351 | .3874204 | .2100398 | 1.466249 | .1402364 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0100271 | .0155301 | 83.86601 | .1275284 | .3138106 | .6693261 | 241.9764 |
| #2 | .0101994 | .0156786 | 83.70584 | .1285177 | .3142715 | .6782491 | 242.0574 |
| #3 | .0101889 | .0158342 | 83.78129 | .1280883 | .3151129 | .6892010 | 241.4337 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.56098 | 25.34211 | .3313317 | .0059435 | .4851342 | .2665606 | 2.970112 |
| Stddev | .03763   | .11416   | .0006081 | .0006067 | .1039653 | .0040903 | .039220  |
| %RSD   | .1416744 | .4504909 | .1835348 | 10.20725 | 21.43022 | 1.534479 | 1.320495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.59883 | 25.30224 | .3308926 | .0066426 | .5955944 | .2694263 | 2.961555 |
| #2 | 26.56053 | 25.47086 | .3310767 | .0055546 | .4706191 | .2618764 | 3.012904 |
| #3 | 26.52357 | 25.25323 | .3320258 | .0056334 | .3891892 | .2683792 | 2.935876 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.309437 | 23.83534 | .0996259 | .0129887 | 1.935470 | 3.570174 | .2016252 |
| Stddev | .041848  | .05697   | .0032250 | .0001854 | .006828  | .024849  | .0019252 |
| %RSD   | .4495258 | .2390350 | 3.237107 | 1.427723 | .3527950 | .6960286 | .9548248 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.265125 | 23.86375 | .1023309 | .0131438 | 1.938922 | 3.549745 | .2018280 |
| #2 | 9.314900 | 23.76975 | .1004899 | .0127833 | 1.927605 | 3.562938 | .1996067 |
| #3 | 9.348285 | 23.87253 | .0960569 | .0130390 | 1.939884 | 3.597838 | .2034410 |

Sample Name: J5321-19      Acquired: 10/17/2018 16:14:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACM1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9856956 | .0361653 | .2755720 |
| Stddev | .0029524 | .0005779 | .0004462 |
| %RSD   | .2995253 | 1.597853 | .1619107 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9849821 | .0367629 | .2760501 |
| #2 | .9889394 | .0356094 | .2751667 |
| #3 | .9831653 | .0361237 | .2754990 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2644.135 | 2911.660 | 62121.25 | 6140.797 | 3468.645 |
| Stddev    | 20.975   | 1.726    | 166.03   | 22.612   | 6.337    |
| %RSD      | .7932592 | .0592952 | .2672609 | .3682311 | .1826807 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2629.859 | 2910.132 | 61953.92 | 6166.850 | 3461.376 |
| #2 | 2634.328 | 2911.314 | 62123.88 | 6126.271 | 3473.004 |
| #3 | 2668.216 | 2913.533 | 62285.94 | 6129.270 | 3471.555 |

Sample Name: J5321-20      Acquired: 10/17/2018 16:18:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0594487 | .0100938 | 2.043621 | -.016417 | .0142240 | 62.76699 | 1.661868 |
| Stddev | .0035218 | .0018172 | .003604  | .001569  | .0004543 | .20293   | .005295  |
| %RSD   | 5.924110 | 18.00314 | .1763422 | 9.556051 | 3.193721 | .3233066 | .3186407 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0555026 | .0120901 | 2.039890 | -.015433 | .0141549 | 62.59448 | 1.657006 |
| #2 | .0605709 | .0085358 | 2.047082 | -.015592 | .0147088 | 62.99058 | 1.667510 |
| #3 | .0622727 | .0096555 | 2.043889 | -.018226 | .0138082 | 62.71591 | 1.661086 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086150 | .0073249 | 21.59489 | .0675917 | .1698037 | .2731345 | 169.4794 |
| Stddev | .0000945 | .0001281 | .12600   | .0004266 | .0005198 | .0006265 | 1.0854   |
| %RSD   | 1.097435 | 1.748506 | .5834885 | .6311277 | .3061022 | .2293656 | .6404589 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0086392 | .0074186 | 21.49471 | .0678822 | .1692139 | .2737162 | 168.5163 |
| #2 | .0085107 | .0071790 | 21.73635 | .0677911 | .1700027 | .2724713 | 170.6556 |
| #3 | .0086951 | .0073773 | 21.55360 | .0671020 | .1701946 | .2732161 | 169.2662 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.97783 | 10.40567 | .1537733 | .0030777 | .3729539 | .1973375 | .8053870 |
| Stddev | .10523   | .11823   | .0007732 | .0001062 | .1140995 | .0056321 | .0044678 |
| %RSD   | .8785791 | 1.136183 | .5028245 | 3.449561 | 30.59346 | 2.854066 | .5547333 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.88503 | 10.29118 | .1545154 | .0029668 | .3504043 | .2030377 | .8056057 |
| #2 | 12.09217 | 10.52731 | .1538322 | .0031784 | .4966446 | .1971990 | .8008140 |
| #3 | 11.95628 | 10.39852 | .1529723 | .0030878 | .2718128 | .1917759 | .8097415 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.958197 | 5.187153 | .0708821 | .0901945 | 1.427604 | 5.936777 | .0255688 |
| Stddev | .064313  | .015330  | .0039134 | .0004562 | .012636  | .014695  | .0007079 |
| %RSD   | 1.297097 | .2955347 | 5.521022 | .5057561 | .8851098 | .2475171 | 2.768532 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.032381 | 5.180239 | .0694059 | .0905316 | 1.442008 | 5.952864 | .0261157 |
| #2 | 4.918157 | 5.176498 | .0753189 | .0896754 | 1.418391 | 5.933405 | .0258215 |
| #3 | 4.924053 | 5.204722 | .0679215 | .0903766 | 1.422411 | 5.924061 | .0247693 |

Sample Name: J5321-20      Acquired: 10/17/2018 16:18:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8314169 | .0185950 | .0689009 |
| Stddev | .0018127 | .0009256 | .0002784 |
| %RSD   | .2180272 | 4.977672 | .4040614 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8293346 | .0180372 | .0687498 |
| #2 | .8326423 | .0196635 | .0692222 |
| #3 | .8322739 | .0180845 | .0687307 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2596.500 | 2876.662 | 60618.41 | 5985.894 | 3574.346 |
| Stddev    | 4.334    | 6.656    | 91.95    | 8.822    | 2.295    |
| %RSD      | .1668993 | .2313683 | .1516910 | .1473872 | .0641947 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2596.784 | 2869.652 | 60724.23 | 5990.897 | 3573.949 |
| #2 | 2600.685 | 2882.895 | 60557.93 | 5975.708 | 3576.813 |
| #3 | 2592.032 | 2877.439 | 60573.09 | 5991.078 | 3572.275 |

Sample Name: J5321-21      Acquired: 10/17/2018 16:22:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0974679 | .0200018 | 5.870435 | -.019123 | .0093545 | 68.02846 | 3.136765 |
| Stddev | .0028081 | .0052618 | .008691  | .002315  | .0006661 | .15575   | .002510  |
| %RSD   | 2.881077 | 26.30647 | .1480404 | 12.10547 | 7.120345 | .2289535 | .0800300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1007099 | .0139687 | 5.866854 | -.018845 | .0101129 | 67.95128 | 3.136278 |
| #2 | .0958996 | .0236407 | 5.864106 | -.021565 | .0088646 | 68.20773 | 3.139483 |
| #3 | .0957942 | .0223960 | 5.880343 | -.016960 | .0090860 | 67.92637 | 3.134534 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0094606 | .0184837 | 81.95796 | .0761829 | .2507064 | .6609131 | 208.4846 |
| Stddev | .0000645 | .0000176 | .52910   | .0005536 | .0010203 | .0006291 | 1.1239   |
| %RSD   | .6821168 | .0949788 | .6455763 | .7266164 | .4069856 | .0951909 | .5390648 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0094579 | .0185037 | 81.79278 | .0766996 | .2508563 | .6601866 | 208.1329 |
| #2 | .0095265 | .0184763 | 82.54995 | .0762504 | .2496194 | .6612786 | 209.7422 |
| #3 | .0093975 | .0184710 | 81.53116 | .0755987 | .2516436 | .6612740 | 207.5786 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.95678 | 19.25720 | .3066915 | .0046565 | .5659681 | .2294743 | 2.323319 |
| Stddev | .13866   | .16037   | .0009238 | .0003095 | .1778711 | .0068176 | .043865  |
| %RSD   | .6315257 | .8327997 | .3012285 | 6.647455 | 31.42777 | 2.970940 | 1.888021 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.92758 | 19.07686 | .3070188 | .0046285 | .7713233 | .2370806 | 2.341557 |
| #2 | 22.10772 | 19.38381 | .3056486 | .0049791 | .4601146 | .2239141 | 2.273278 |
| #3 | 21.83504 | 19.31093 | .3074072 | .0043619 | .4664664 | .2274283 | 2.355123 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.283582 | 10.90973 | .0947578 | .0107329 | 2.504950 | 6.197211 | .1861327 |
| Stddev | .075219  | .02478   | .0031864 | .0003357 | .008377  | .028655  | .0026257 |
| %RSD   | .9080503 | .2271166 | 3.362708 | 3.127795 | .3344235 | .4623851 | 1.410662 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.357952 | 10.91429 | .0969805 | .0108148 | 2.514499 | 6.213320 | .1838798 |
| #2 | 8.285254 | 10.88299 | .0961856 | .0110201 | 2.501514 | 6.214187 | .1890163 |
| #3 | 8.207541 | 10.93192 | .0911071 | .0103638 | 2.498837 | 6.164127 | .1855018 |

Sample Name: J5321-21      Acquired: 10/17/2018 16:22:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9739311 | .0276319 | .3738430 |
| Stddev | .0018552 | .0006785 | .0004181 |
| %RSD   | .1904809 | 2.455520 | .1118339 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9725666 | .0275290 | .3738896 |
| #2 | .9731834 | .0283559 | .3734036 |
| #3 | .9760435 | .0270107 | .3742359 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2671.519 | 2960.649 | 62931.10 | 6245.991 | 3498.328 |
| Stddev    | 13.341   | 4.362    | 136.49   | 32.913   | 5.838    |
| %RSD      | .4993726 | .1473242 | .2168955 | .5269511 | .1668853 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2664.897 | 2960.545 | 62972.66 | 6228.032 | 3502.554 |
| #2 | 2686.875 | 2965.062 | 63041.98 | 6225.964 | 3500.764 |
| #3 | 2662.784 | 2956.340 | 62778.66 | 6283.978 | 3491.666 |



Sample Name: J5321-22      Acquired: 10/17/2018 16:26:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1007594 | .0156932 | 3.404305 | -.018607 | .0063108 | 39.10983 | 1.382458 |
| Stddev | .0036968 | .0016766 | .007358  | .004055  | .0010128 | .11588   | .004219  |
| %RSD   | 3.668939 | 10.68342 | .2161401 | 21.79225 | 16.04811 | .2963064 | .3051627 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0971278 | .0163415 | 3.412431 | -.023265 | .0072920 | 39.21777 | 1.385259 |
| #2 | .1006323 | .0137893 | 3.402392 | -.016697 | .0052691 | 39.12435 | 1.384509 |
| #3 | .1045181 | .0169488 | 3.398093 | -.015861 | .0063714 | 38.98736 | 1.377606 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073540 | .0158362 | 171.7582 | .1080416 | .3931200 | 1.858782 | 155.9578 |
| Stddev | .0001441 | .0000153 | .7122    | .0001288 | .0012621 | .004095  | .7638    |
| %RSD   | 1.958827 | .0967664 | .4146678 | .1192306 | .3210461 | .2203120 | .4897170 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0075194 | .0158214 | 172.5679 | .1081807 | .3945646 | 1.861811 | 156.8071 |
| #2 | .0072870 | .0158520 | 171.2286 | .1080176 | .3922311 | 1.860412 | 155.3272 |
| #3 | .0072557 | .0158353 | 171.4782 | .1079264 | .3925643 | 1.854123 | 155.7391 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.75364 | 70.14822 | .5226579 | .0047125 | .2596775 | .2054992 | 2.723691 |
| Stddev | .09418   | .38771   | .0002991 | .0000634 | .1808922 | .0064674 | .028115  |
| %RSD   | .5978476 | .5527024 | .0572345 | 1.344468 | 69.66035 | 3.147171 | 1.032221 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.83225 | 70.59403 | .5229264 | .0046399 | .4676453 | .1987471 | 2.739031 |
| #2 | 15.64926 | 69.88981 | .5223354 | .0047409 | .1388401 | .2116383 | 2.691244 |
| #3 | 15.77943 | 69.96082 | .5227119 | .0047566 | .1725470 | .2061122 | 2.740800 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.657665 | 8.801678 | .0697040 | .0112684 | 6.818889 | 2.101581 | .0104035 |
| Stddev | .058465  | .020822  | .0025648 | .0001929 | .025712  | .016289  | .0005093 |
| %RSD   | 1.033381 | .2365635 | 3.679582 | 1.711608 | .3770646 | .7750929 | 4.895353 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.601428 | 8.781831 | .0726628 | .0110811 | 6.796980 | 2.120357 | .0105177 |
| #2 | 5.653436 | 8.823353 | .0683369 | .0114664 | 6.847195 | 2.091236 | .0108460 |
| #3 | 5.718129 | 8.799849 | .0681124 | .0112577 | 6.812493 | 2.093149 | .0098468 |

Sample Name: J5321-22      Acquired: 10/17/2018 16:26:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACM4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6006532 | .0141742 | .1452814 |
| Stddev | .0015836 | .0002051 | .0004856 |
| %RSD   | .2636497 | 1.446961 | .3342457 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6024435 | .0142632 | .1457858 |
| #2 | .5994354 | .0139397 | .1448171 |
| #3 | .6000808 | .0143198 | .1452413 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2421.499 | 2672.783 | 57552.83 | 5656.149 | 3387.603 |
| Stddev    | 8.103    | 2.986    | 159.86   | 16.700   | 5.137    |
| %RSD      | .3346288 | .1117048 | .2777666 | .2952454 | .1516447 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2421.859 | 2670.902 | 57456.01 | 5637.106 | 3381.730 |
| #2 | 2429.416 | 2676.226 | 57737.35 | 5668.294 | 3391.256 |
| #3 | 2413.222 | 2671.222 | 57465.14 | 5663.048 | 3389.825 |

Sample Name: PB113896BL      Acquired: 10/17/2018 16:30:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000861 | .0011661 | -.002467 | -.001471 | -.001096 | -.010264 | -.005316 |
| Stddev | .003221  | .0014230 | .000320  | .001361  | .001713  | .014673  | .000783  |
| %RSD   | 374.3009 | 122.0374 | 12.96483 | 92.52018 | 156.3206 | 142.9543 | 14.73003 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003629 | -.000346 | -.002833 | .000066  | -.001547 | .001507  | -.006084 |
| #2 | .002674  | .001365  | -.002243 | -.002524 | -.002538 | -.026703 | -.005344 |
| #3 | -.001627 | .002479  | -.002326 | -.001955 | .000798  | -.005596 | -.004519 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000083 | -.000012 | -.015045 | .0004404 | -.000222 | -.004029 | .0196120 |
| Stddev | .0000163 | .000037  | .013325  | .0005155 | .000132  | .004984  | .0049294 |
| %RSD   | 197.3082 | 303.2931 | 88.56796 | 117.0400 | 59.31522 | 123.6979 | 25.13443 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000010 | -.000001 | -.021889 | -.000147 | -.000245 | -.001913 | .0221271 |
| #2 | .000019  | .000017  | -.023558 | .000818  | -.000080 | -.000452 | .0139324 |
| #3 | .000016  | -.000053 | .000311  | .000650  | -.000340 | -.009721 | .0227765 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008848 | .0133023 | .0001707 | .0001463 | -.431947 | .0016417 | -.006661 |
| Stddev | .0016144 | .0472751 | .0005785 | .0004801 | .255102  | .0030090 | .008909  |
| %RSD   | 182.4663 | 355.3898 | 338.9094 | 328.1806 | 59.05863 | 183.2880 | 133.7427 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010150 | -.010301 | -.000497 | .0003575 | -.726440 | .0043460 | .003003  |
| #2 | -.000791 | .067732  | .000501  | -.000403 | -.279019 | .0021786 | -.014547 |
| #3 | .002430  | -.017523 | .000509  | .000485  | -.290381 | -.001600 | -.008440 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0557614 | -.002114 | -.005340 | -.000291 | -.002331 | -.000663 | -.001819 |
| Stddev | .0127402 | .003290  | .000596  | .000249  | .000658  | .000192  | .000238  |
| %RSD   | 22.84763 | 155.6441 | 11.15371 | 85.68812 | 28.22812 | 28.97076 | 13.10140 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0446470 | .000860  | -.005788 | -.000471 | -.001575 | -.000846 | -.001549 |
| #2 | .0529720 | -.005648 | -.005569 | -.000006 | -.002645 | -.000463 | -.001905 |
| #3 | .0696651 | -.001553 | -.004664 | -.000395 | -.002772 | -.000679 | -.002002 |

Sample Name: PB113896BL      Acquired: 10/17/2018 16:30:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.003266 | -.010859 | .0000445 |
| Stddev | .002799  | .000537  | .0000968 |
| %RSD   | 85.71706 | 4.948315 | 217.6214 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000317 | -.010321 | .0001559 |
| #2 | -.005887 | -.011396 | -.000004 |
| #3 | -.003593 | -.010861 | -.000019 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2193.524 | 2457.208 | 50561.52 | 4976.542 | 3599.754 |
| Stddev    | 3.212    | 5.518    | 143.16   | 12.488   | 6.645    |
| %RSD      | .1464327 | .2245450 | .2831325 | .2509273 | .1845987 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2194.328 | 2453.682 | 50421.31 | 4986.700 | 3597.132 |
| #2 | 2196.257 | 2463.566 | 50707.45 | 4962.600 | 3607.309 |
| #3 | 2189.986 | 2454.375 | 50555.79 | 4980.325 | 3594.819 |

Sample Name: PB113896BS      Acquired: 10/17/2018 16:34:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0177776 | .0514251 | .0177272 | .0687119 | .1225166 | .3677622 | .4098300 |
| Stddev | .0028847 | .0026152 | .0017519 | .0006001 | .0009306 | .0035256 | .0011487 |
| %RSD   | 16.22641 | 5.085377 | 9.882837 | .8733312 | .7595337 | .9586617 | .2802858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0148322 | .0497210 | .0197291 | .0693238 | .1232943 | .3671675 | .4086852 |
| #2 | .0205974 | .0544361 | .0164742 | .0681243 | .1227700 | .3645718 | .4098223 |
| #3 | .0179033 | .0501182 | .0169782 | .0686876 | .1214857 | .3715474 | .4109826 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097396 | .0096316 | 9.971384 | .0213142 | .0964846 | .0513398 | .2153537 |
| Stddev | .0001302 | .0000974 | .051502  | .0005424 | .0005846 | .0012554 | .0161422 |
| %RSD   | 1.336984 | 1.011798 | .5165019 | 2.544889 | .6059298 | 2.445236 | 7.495686 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0098571 | .0095365 | 9.979811 | .0218041 | .0960376 | .0504317 | .2229663 |
| #2 | .0097622 | .0096271 | 10.01815 | .0207313 | .0971462 | .0508154 | .2262820 |
| #3 | .0095996 | .0097312 | 9.91619  | .0214071 | .0962700 | .0527724 | .1968128 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0319486 | 9.126900 | .0836111 | .0195532 | 9.506976 | .1113805 | .1130117 |
| Stddev | .0027836 | .121079  | .0004125 | .0002032 | .305157  | .0044721 | .0161268 |
| %RSD   | 8.712871 | 1.326617 | .4933360 | 1.038961 | 3.209825 | 4.015154 | 14.27003 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0350950 | 9.016940 | .0834398 | .0197760 | 9.722854 | .1155682 | .0957395 |
| #2 | .0298063 | 9.256658 | .0833119 | .0195054 | 9.640218 | .1119033 | .1276750 |
| #3 | .0309444 | 9.107103 | .0840816 | .0193782 | 9.157856 | .1066699 | .1156205 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.682138 | .0200102 | .0129492 | .0186785 | .1762586 | .1900420 | .0107511 |
| Stddev | .088647  | .0037125 | .0012621 | .0003624 | .0010364 | .0005588 | .0008894 |
| %RSD   | .9155697 | 18.55306 | 9.746349 | 1.940104 | .5879842 | .2940141 | 8.272220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.655233 | .0215740 | .0141236 | .0188088 | .1757124 | .1901240 | .0097622 |
| #2 | 9.781120 | .0157716 | .0131092 | .0182690 | .1774539 | .1905553 | .0114853 |
| #3 | 9.610060 | .0226850 | .0116147 | .0189577 | .1756097 | .1894468 | .0110058 |

Sample Name: PB113896BS      Acquired: 10/17/2018 16:34:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1966908 | .0849173 | .1958385 |
| Stddev | .0020019 | .0009889 | .0004788 |
| %RSD   | 1.017805 | 1.164506 | .2445000 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1986702 | .0839513 | .1953568 |
| #2 | .1967352 | .0848730 | .1963144 |
| #3 | .1946671 | .0859275 | .1958444 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2198.326 | 2450.776 | 50889.04 | 4984.060 | 3626.983 |
| Stddev    | 5.911    | 6.799    | 102.76   | 21.117   | 6.062    |
| %RSD      | .2688952 | .2774027 | .2019369 | .4236870 | .1671281 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2194.603 | 2450.905 | 50960.58 | 4962.203 | 3624.326 |
| #2 | 2195.233 | 2443.914 | 50771.29 | 4985.625 | 3622.703 |
| #3 | 2205.142 | 2457.509 | 50935.27 | 5004.350 | 3633.919 |

Sample Name: J5320-17      Acquired: 10/17/2018 16:38:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0305329 | .0087204 | .1737320 | -.010785 | .0015319 | 40.62719 | 1.008664 |
| Stddev | .0006190 | .0012041 | .0010668 | .002396  | .0008995 | .04649   | .002647  |
| %RSD   | 2.027361 | 13.80778 | .6140502 | 22.21914 | 58.71914 | .1144388 | .2623899 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0312052 | .0095834 | .1745625 | -.008920 | .0021257 | 40.67045 | 1.010565 |
| #2 | .0299865 | .0073448 | .1725288 | -.009948 | .0004970 | 40.63309 | 1.009786 |
| #3 | .0304070 | .0092330 | .1741045 | -.013488 | .0019729 | 40.57802 | 1.005641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097591 | .0049096 | 11.07780 | .0712235 | .1563660 | .0729206 | 122.4706 |
| Stddev | .0000212 | .0001147 | .08558   | .0005397 | .0006057 | .0032689 | .1630    |
| %RSD   | .2171255 | 2.335414 | .7725270 | .7577861 | .3873787 | 4.482879 | .1330690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0097374 | .0048360 | 11.06737 | .0715699 | .1570641 | .0721521 | 122.5455 |
| #2 | .0097602 | .0048510 | 11.16811 | .0706016 | .1559796 | .0765054 | 122.5826 |
| #3 | .0097798 | .0050417 | 10.99791 | .0714989 | .1560544 | .0701044 | 122.2836 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.05531 | 3.208722 | .1440110 | .0023581 | .0131991 | .2208909 | .3198367 |
| Stddev | .03604   | .073422  | .0004599 | .0003194 | .1630385 | .0057536 | .0096501 |
| %RSD   | .2760749 | 2.288206 | .3193316 | 13.54719 | 1235.221 | 2.604729 | 3.017197 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.03986 | 3.164249 | .1438381 | .0021510 | -.128214 | .2228944 | .3169009 |
| #2 | 13.09650 | 3.293468 | .1436627 | .0027260 | -.023719 | .2253749 | .3306138 |
| #3 | 13.02956 | 3.168448 | .1445323 | .0021972 | .191531  | .2144034 | .3119955 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.489572 | 2.931494 | .0476260 | .0038215 | .8516165 | 4.462215 | .0018052 |
| Stddev | .036062  | .009930  | .0012654 | .0000784 | .0013406 | .006524  | .0009782 |
| %RSD   | 2.420942 | .3387409 | 2.657034 | 2.051485 | .1574216 | .1462166 | 54.18759 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.483099 | 2.920041 | .0490743 | .0038841 | .8530512 | 4.457104 | .0006779 |
| #2 | 1.457186 | 2.936758 | .0470693 | .0038469 | .8503957 | 4.459978 | .0024308 |
| #3 | 1.528432 | 2.937685 | .0467343 | .0037336 | .8514025 | 4.469564 | .0023070 |

Sample Name: J5320-17      Acquired: 10/17/2018 16:38:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACK1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5601776 | .0130934 | .0659092 |
| Stddev | .0022728 | .0009098 | .0003035 |
| %RSD   | .4057293 | 6.948414 | .4605420 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5576036 | .0140433 | .0660970 |
| #2 | .5610215 | .0122299 | .0655590 |
| #3 | .5619078 | .0130070 | .0660716 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2850.299 | 3177.079 | 66437.53 | 6557.803 | 3565.536 |
| Stddev    | 9.767    | .592     | 48.63    | 23.719   | 3.771    |
| %RSD      | .3426577 | .0186325 | .0731920 | .3616885 | .1057606 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2853.476 | 3176.664 | 66448.84 | 6575.414 | 3561.600 |
| #2 | 2839.339 | 3176.817 | 66479.51 | 6530.832 | 3565.891 |
| #3 | 2858.082 | 3177.757 | 66384.25 | 6567.162 | 3569.117 |



Sample Name: J5320-18      Acquired: 10/17/2018 16:42:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK1D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0297295 | .0112484 | .1710042 | -.010070 | .0024102 | 40.55579 | 1.003368 |
| Stddev | .0021125 | .0014505 | .0014500 | .002658  | .0006711 | .05329   | .002218  |
| %RSD   | 7.105758 | 12.89512 | .8479116 | 26.39487 | 27.84526 | .1313890 | .2210770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0296083 | .0119385 | .1702718 | -.011456 | .0031488 | 40.54770 | 1.004712 |
| #2 | .0319001 | .0095817 | .1726743 | -.007005 | .0018377 | 40.50700 | 1.000808 |
| #3 | .0276803 | .0122250 | .1700666 | -.011748 | .0022441 | 40.61265 | 1.004585 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0096939 | .0047667 | 11.04183 | .0709921 | .1560737 | .0713763 | 122.7185 |
| Stddev | .0000239 | .0000758 | .00948   | .0001887 | .0004309 | .0029531 | .2656    |
| %RSD   | .2467351 | 1.589617 | .0858309 | .2657487 | .2760961 | 4.137383 | .2164223 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0097085 | .0047018 | 11.03378 | .0712035 | .1563519 | .0680163 | 122.5413 |
| #2 | .0097068 | .0047484 | 11.03943 | .0708408 | .1555774 | .0725523 | 122.5905 |
| #3 | .0096663 | .0048500 | 11.05227 | .0709320 | .1562920 | .0735602 | 123.0239 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.04989 | 3.182799 | .1438410 | .0025277 | -.013674 | .2183164 | .3154467 |
| Stddev | .01667   | .024432  | .0003868 | .0001919 | .159467  | .0039876 | .0084226 |
| %RSD   | .1277670 | .7676337 | .2689068 | 7.592215 | 1166.163 | 1.826523 | 2.670062 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.03329 | 3.206323 | .1434924 | .0023248 | -.192562 | .2137165 | .3182693 |
| #2 | 13.04974 | 3.184523 | .1437735 | .0027064 | .037967  | .2204396 | .3220954 |
| #3 | 13.06663 | 3.157550 | .1442571 | .0025517 | .113572  | .2207932 | .3059752 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.445220 | 2.930138 | .0496744 | .0038202 | .8531989 | 4.437207 | .0013776 |
| Stddev | .025023  | .009197  | .0005972 | .0001795 | .0023189 | .014983  | .0001916 |
| %RSD   | 1.731462 | .3138850 | 1.202148 | 4.697803 | .2717889 | .3376574 | 13.90558 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.464612 | 2.928078 | .0502695 | .0040059 | .8519550 | 4.424103 | .0011734 |
| #2 | 1.416973 | 2.922145 | .0496784 | .0036477 | .8517673 | 4.453541 | .0015534 |
| #3 | 1.454074 | 2.940190 | .0490752 | .0038071 | .8558744 | 4.433977 | .0014060 |

Sample Name: J5320-18      Acquired: 10/17/2018 16:42:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK1D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5611387 | .0134042 | .0657592 |
| Stddev | .0037499 | .0003683 | .0001544 |
| %RSD   | .6682612 | 2.747513 | .2348598 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5615265 | .0134818 | .0656936 |
| #2 | .5572100 | .0130033 | .0656484 |
| #3 | .5646796 | .0137275 | .0659357 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2860.701 | 3180.294 | 66725.35 | 6573.643 | 3576.306 |
| Stddev    | 8.826    | 1.693    | 8.87     | 14.488   | 2.203    |
| %RSD      | .3085423 | .0532214 | .0132928 | .2203984 | .0616028 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2850.528 | 3182.184 | 66723.01 | 6574.566 | 3575.393 |
| #2 | 2866.329 | 3179.778 | 66717.89 | 6587.647 | 3578.818 |
| #3 | 2865.246 | 3178.918 | 66735.16 | 6558.715 | 3574.705 |

Sample Name: J5320-19      Acquired: 10/17/2018 16:46:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK1S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0888724 | .1162589 | .2070960 | .0593280 | .1617607 | 42.70686 | 4.543898 |
| Stddev | .0020125 | .0018324 | .0026305 | .0023070 | .0011639 | .03920   | .005749  |
| %RSD   | 2.264478 | 1.576175 | 1.270169 | 3.888481 | .7195321 | .0917879 | .1265118 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0867467 | .1171860 | .2060680 | .0616999 | .1630982 | 42.69269 | 4.537267 |
| #2 | .0907483 | .1141482 | .2100853 | .0570920 | .1609781 | 42.75118 | 4.546959 |
| #3 | .0891222 | .1174426 | .2051348 | .0591919 | .1612057 | 42.67672 | 4.547468 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0859788 | .1046661 | 10.84167 | .4092098 | 1.237867 | .5206573 | 121.5186 |
| Stddev | .0004023 | .0003726 | .01153   | .0008044 | .002571  | .0037213 | .5383    |
| %RSD   | .4678940 | .3559966 | .1063043 | .1965807 | .2076837 | .7147240 | .4429383 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0856715 | .1046910 | 10.82839 | .4101377 | 1.235623 | .5166735 | 121.9402 |
| #2 | .0864342 | .1042816 | 10.84752 | .4087088 | 1.237306 | .5240438 | 121.7033 |
| #3 | .0858308 | .1050256 | 10.84909 | .4087829 | 1.240672 | .5212546 | 120.9123 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.61081 | 3.067096 | 1.256239 | .0765426 | -.086176 | 1.073732 | 1.155255 |
| Stddev | .04951   | .030629  | .002880  | .0003129 | .119203  | .007734  | .016314  |
| %RSD   | .3637490 | .9986390 | .2292922 | .4088544 | 138.3259 | .7202747 | 1.412121 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.65154 | 3.056128 | 1.253895 | .0768985 | -.069587 | 1.067529 | 1.171816 |
| #2 | 13.62518 | 3.101699 | 1.255367 | .0764189 | -.212804 | 1.071268 | 1.154750 |
| #3 | 13.55570 | 3.043461 | 1.259455 | .0763104 | .023864  | 1.082397 | 1.139201 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.404705 | 2.860333 | .0446608 | .0039201 | .8274473 | 4.368212 | .0022271 |
| Stddev | .053674  | .003117  | .0005274 | .0000504 | .0052034 | .015566  | .0005949 |
| %RSD   | 3.820999 | .1089820 | 1.180889 | 1.284630 | .6288523 | .3563490 | 26.71006 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.367346 | 2.863893 | .0440823 | .0038682 | .8215226 | 4.377070 | .0019155 |
| #2 | 1.380558 | 2.859009 | .0451149 | .0039233 | .8295446 | 4.377327 | .0029131 |
| #3 | 1.466211 | 2.858096 | .0447852 | .0039688 | .8312748 | 4.350238 | .0018528 |

Sample Name: J5320-19      Acquired: 10/17/2018 16:46:28      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACK1S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5447167 | .0143852 | .0642065 |
| Stddev | .0014720 | .0012314 | .0000920 |
| %RSD   | .2702360 | 8.559822 | .1432844 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5458900 | .0132629 | .0643100 |
| #2 | .5451951 | .0141902 | .0641341 |
| #3 | .5430650 | .0157024 | .0641753 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2869.943 | 3164.251 | 66854.28 | 6562.396 | 3590.704 |
| Stddev    | 4.639    | 2.789    | 276.93   | 28.863   | 5.427    |
| %RSD      | .1616418 | .0881291 | .4142263 | .4398284 | .1511478 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2866.329 | 3162.369 | 66567.70 | 6541.144 | 3588.232 |
| #2 | 2868.325 | 3167.454 | 66874.73 | 6550.788 | 3596.928 |
| #3 | 2875.174 | 3162.929 | 67120.42 | 6595.256 | 3586.954 |

Sample Name: J5320-17LX5      Acquired: 10/17/2018 16:50:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACK1L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0090099 | .0025228 | .0321451 | -.004263 | -.000924 | 9.359614 | .2304343 |
| Stddev | .0036634 | .0010130 | .0020582 | .000622  | .000917  | .034542  | .0006040 |
| %RSD   | 40.65930 | 40.15189 | 6.402840 | 14.59920 | 99.17833 | .3690542 | .2621303 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0131804 | .0017353 | .0342436 | -.004521 | -.001326 | 9.333196 | .2297864 |
| #2 | .0063120 | .0036656 | .0320620 | -.003553 | -.001572 | 9.398702 | .2309819 |
| #3 | .0075373 | .0021676 | .0301297 | -.004714 | .000125  | 9.346944 | .2305346 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023062 | .0007138 | 2.557861 | .0167055 | .0293293 | .0156198 | 28.36751 |
| Stddev | .0000568 | .0000521 | .019276  | .0004255 | .0002717 | .0024458 | .03215   |
| %RSD   | 2.463133 | 7.294400 | .7535802 | 2.546951 | .9262415 | 15.65819 | .1133227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023219 | .0006931 | 2.537733 | .0162928 | .0290541 | .0128697 | 28.40243 |
| #2 | .0023535 | .0006753 | 2.576152 | .0171427 | .0293366 | .0175514 | 28.36097 |
| #3 | .0022432 | .0007730 | 2.559698 | .0166810 | .0295972 | .0164382 | 28.33914 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.051876 | .7147343 | .0271448 | .0006097 | -.031551 | .0568344 | .0693354 |
| Stddev | .009605  | .0207589 | .0001542 | .0001419 | .260913  | .0065059 | .0096599 |
| %RSD   | .3147233 | 2.904416 | .5680639 | 23.27924 | 826.9547 | 11.44718 | 13.93211 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.050967 | .6923351 | .0272921 | .0007667 | -.275467 | .0495792 | .0631717 |
| #2 | 3.042758 | .7333255 | .0269845 | .0005719 | .243555  | .0587740 | .0643663 |
| #3 | 3.061903 | .7185423 | .0271577 | .0004905 | -.062741 | .0621499 | .0804684 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4275662 | .5688988 | .0081443 | .0008198 | .1653890 | 1.081356 | -.001393 |
| Stddev | .1134297 | .0038998 | .0009075 | .0002181 | .0046073 | .007634  | .001488  |
| %RSD   | 26.52916 | .6854978 | 11.14293 | 26.60870 | 2.785733 | .7059464 | 106.7772 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5145299 | .5647231 | .0076929 | .0009170 | .1608445 | 1.087927 | .000265  |
| #2 | .4689036 | .5724463 | .0075511 | .0009724 | .1700567 | 1.083158 | -.002612 |
| #3 | .2992652 | .5695271 | .0091890 | .0005699 | .1652657 | 1.072982 | -.001833 |

Sample Name: J5320-17LX5      Acquired: 10/17/2018 16:50:27      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MGACK1L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1282753 | -.003873 | .0152146 |
| Stddev | .0035932 | .002006  | .0000778 |
| %RSD   | 2.801144 | 51.80622 | .5115101 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1308352 | -.004766 | .0152243 |
| #2 | .1241676 | -.005277 | .0152872 |
| #3 | .1298231 | -.001575 | .0151324 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2321.029 | 2597.020 | 53602.68 | 5249.792 | 3597.609 |
| Stddev    | 8.349    | 5.437    | 31.07    | 13.840   | 5.089    |
| %RSD      | .3597240 | .2093595 | .0579712 | .2636310 | .1414627 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2314.682 | 2591.891 | 53572.91 | 5235.475 | 3592.030 |
| #2 | 2330.487 | 2596.448 | 53634.91 | 5250.800 | 3598.800 |
| #3 | 2317.918 | 2602.720 | 53600.21 | 5263.100 | 3601.998 |

Sample Name: J5320-01      Acquired: 10/17/2018 16:54:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACH5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0838604 | .0174214 | 9.797317 | -.027772 | .0429033 | 61.60094 | .8913484 |
| Stddev | .0040014 | .0011091 | .006209  | .001419  | .0013060 | .21402   | .0005865 |
| %RSD   | 4.771480 | 6.366212 | .0633733 | 5.108923 | 3.044014 | .3474251 | .0658009 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0868468 | .0161856 | 9.796817 | -.029322 | .0419588 | 61.61200 | .8907269 |
| #2 | .0854203 | .0177485 | 9.803761 | -.026539 | .0423574 | 61.80921 | .8914260 |
| #3 | .0793140 | .0183302 | 9.791374 | -.027454 | .0443936 | 61.38160 | .8918922 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0121993 | .0105369 | 131.3161 | .2836860 | .5018171 | .4979415 | 266.5207 |
| Stddev | .0001910 | .0001796 | .9227    | .0012170 | .0011811 | .0041488 | 2.1972   |
| %RSD   | 1.565596 | 1.704645 | .7026577 | .4289820 | .2353626 | .8331835 | .8243893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0121412 | .0105589 | 131.2504 | .2849624 | .5004657 | .4975980 | 266.5173 |
| #2 | .0124126 | .0103472 | 132.2699 | .2825388 | .5026519 | .5022513 | 268.7196 |
| #3 | .0120441 | .0107044 | 130.4280 | .2835566 | .5023337 | .4939751 | 264.3253 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.77994 | 57.64820 | .4008614 | .0054982 | .6794482 | .3792216 | 7.797070 |
| Stddev | .20531   | .67227   | .0005752 | .0004807 | .2719384 | .0055282 | .060269  |
| %RSD   | .9879987 | 1.166152 | .1435003 | 8.743246 | 40.02341 | 1.457779 | .7729638 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.78773 | 57.52354 | .4001998 | .0058434 | .4977780 | .3769118 | 7.796565 |
| #2 | 20.98124 | 58.37407 | .4012428 | .0057022 | .5484784 | .3752230 | 7.857590 |
| #3 | 20.57085 | 57.04699 | .4011417 | .0049492 | .9920882 | .3855302 | 7.737056 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.273161 | 3.597836 | .0820630 | .0078140 | 4.348443 | 2.549526 | .0036881 |
| Stddev | .015943  | .009074  | .0031134 | .0003648 | .016431  | .021794  | .0017076 |
| %RSD   | .3730966 | .2522175 | 3.793920 | 4.668754 | .3778493 | .8548134 | 46.29996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.255233 | 3.596128 | .0854882 | .0079702 | 4.364118 | 2.537594 | .0055840 |
| #2 | 4.285747 | 3.589736 | .0812963 | .0080747 | 4.349862 | 2.574680 | .0022712 |
| #3 | 4.278504 | 3.607642 | .0794046 | .0073971 | 4.331348 | 2.536303 | .0032090 |

Sample Name: J5320-01      Acquired: 10/17/2018 16:54:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MGACH5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8279115 | .0271860 | .0611846 |
| Stddev | .0035413 | .0025585 | .0001017 |
| %RSD   | .4277419 | 9.411231 | .1661546 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8320006 | .0296654 | .0611459 |
| #2 | .8258794 | .0273375 | .0612999 |
| #3 | .8258543 | .0245551 | .0611080 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2394.757 | 2634.193 | 56604.25 | 5552.604 | 3422.361 |
| Stddev    | 7.748    | 4.265    | 66.19    | 35.894   | 3.326    |
| %RSD      | .3235508 | .1619130 | .1169324 | .6464394 | .0971711 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2394.521 | 2629.401 | 56577.53 | 5564.411 | 3418.604 |
| #2 | 2402.620 | 2637.575 | 56555.59 | 5512.293 | 3423.553 |
| #3 | 2387.129 | 2635.603 | 56679.62 | 5581.107 | 3424.926 |



Sample Name: CCV073      Acquired: 10/17/2018 16:58:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV073      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.884180 | 5.061669 | 24.76584 | 4.559538 | 4.973677 | 403.7180 |
| Stddev | .016053  | .016076  | .04367   | .008901  | .006767  | 1.0277   |
| %RSD   | .3286676 | .3175950 | .1763313 | .1952278 | .1360492 | .2545620 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.868124 | 5.065770 | 24.81597 | 4.562432 | 4.969364 | 402.5588 |
| #2 | 4.900229 | 5.043940 | 24.74547 | 4.549549 | 4.970191 | 404.5176 |
| #3 | 4.884186 | 5.075297 | 24.73607 | 4.566631 | 4.981475 | 404.0775 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.23799 | .4645426 | 2.354262 | 380.8859 | 14.72681 | 2.519184 |
| Stddev | .00869   | .0029393 | .002103  | 1.2975   | .02670   | .003737  |
| %RSD   | .0848375 | .6327363 | .0893084 | .3406516 | .1812813 | .1483591 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.22952 | .4615242 | 2.356687 | 379.5386 | 14.75337 | 2.523493 |
| #2 | 10.24688 | .4647077 | 2.353135 | 382.1271 | 14.69998 | 2.517239 |
| #3 | 10.23757 | .4673959 | 2.352963 | 380.9920 | 14.72709 | 2.516820 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.45379 | 389.9821 | 14.26316 | 399.4181 | 2.539674 | 1.233649 |
| Stddev | .04194   | 2.3273   | .07564   | 2.0113   | .002919  | .006797  |
| %RSD   | .2713636 | .5967781 | .5302867 | .5035595 | .1149316 | .5509670 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.40614 | 387.8444 | 14.19208 | 397.2803 | 2.542902 | 1.230158 |
| #2 | 15.47014 | 392.4613 | 14.34265 | 401.2730 | 2.538898 | 1.229307 |
| #3 | 15.48509 | 389.6404 | 14.25476 | 399.7010 | 2.537221 | 1.241482 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 395.3401 | 2.423499 | 14.99898 | 154.6694 | 54.26551 | F 4.454536 |
| Stddev | .9876    | .024497  | .05604   | .1829    | .02195   | .017752    |
| %RSD   | .2498023 | 1.010801 | .3736580 | .1182334 | .0404413 | .3985166   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 394.2187 | 2.413245 | 14.95929 | 154.4587 | 54.28689 | 4.435537 |
| #2 | 396.0800 | 2.405795 | 15.06309 | 154.7868 | 54.26659 | 4.457373 |
| #3 | 395.7217 | 2.451456 | 14.97456 | 154.7626 | 54.24304 | 4.470699 |

Sample Name: CCV073      Acquired: 10/17/2018 16:58:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV073      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.644705 | 50.87508 | 4.730514 | 4.955651 | 4.877963 | 5.073215 |
| Stddev | .008682  | .07042   | .021731  | .005003  | .009265  | .008216  |
| %RSD   | .1869161 | .1384126 | .4593874 | .1009479 | .1899268 | .1619564 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.638777 | 50.94074 | 4.712710 | 4.956834 | 4.873127 | 5.065260 |
| #2 | 4.640669 | 50.80071 | 4.724103 | 4.959955 | 4.872116 | 5.072714 |
| #3 | 4.654670 | 50.88380 | 4.754730 | 4.950162 | 4.888644 | 5.081670 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.798897 |
| Stddev | .006349  |
| %RSD   | .1323048 |

|    |          |
|----|----------|
| #1 | 4.799598 |
| #2 | 4.804867 |
| #3 | 4.792226 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1970.095 | 2107.913 | 48733.09 | 4816.649 | 2896.719 |
| Stddev    | 3.982    | 1.257    | 111.91   | 5.144    | 6.048    |
| %RSD      | .2021289 | .0596396 | .2296472 | .1068063 | .2088000 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1965.508 | 2108.770 | 48610.66 | 4822.028 | 2889.851 |
| #2 | 1972.661 | 2108.499 | 48830.12 | 4811.776 | 2899.058 |
| #3 | 1972.117 | 2106.470 | 48758.51 | 4816.143 | 2901.249 |

Sample Name: CCB073      Acquired: 10/17/2018 17:02:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB073      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0035759 | .0024203 | -.000586 | -.002370 | -.002269 | -.015464 | -.004314 |
| Stddev | .0007898 | .0008819 | .001069  | .001244  | .001258  | .005682  | .000620  |
| %RSD   | 22.08651 | 36.43835 | 182.4081 | 52.49497 | 55.45339 | 36.74242 | 14.37318 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031815 | .0027585 | -.001138 | -.003755 | -.003204 | -.020010 | -.004673 |
| #2 | .0030609 | .0030831 | -.001266 | -.002009 | -.002763 | -.009094 | -.004672 |
| #3 | .0044852 | .0014194 | .000646  | -.001347 | -.000838 | -.017288 | -.003598 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000414 | -.000061 | -.048010 | .0001047 | -.000042 | -.004223 | .0176182 |
| Stddev | .0000258 | .000099  | .024060  | .0003000 | .000249  | .002849  | .0193098 |
| %RSD   | 62.31870 | 163.0261 | 50.11467 | 286.4958 | 589.3190 | 67.47076 | 109.6014 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000247 | .000011  | -.040468 | .0004151 | -.000128 | -.000965 | .0056788 |
| #2 | .0000283 | -.000019 | -.028624 | -.000184 | -.000237 | -.006250 | .0398961 |
| #3 | .0000710 | -.000173 | -.074937 | .000083  | .000238  | -.005452 | .0072798 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021496 | -.032703 | .0004992 | .0007663 | -.245081 | .0023324 | .0076326 |
| Stddev | .0009282 | .051419  | .0003218 | .0004548 | .185422  | .0054333 | .0022630 |
| %RSD   | 43.17866 | 157.2315 | 64.45680 | 59.34363 | 75.65729 | 232.9479 | 29.64956 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013182 | -.046197 | .0006141 | .0005810 | -.328307 | .0026407 | .0092323 |
| #2 | .0019797 | .024118  | .0007478 | .0012845 | -.374307 | -.003248 | .0086222 |
| #3 | .0031510 | -.076029 | .0001358 | .0004335 | -.032628 | .007605  | .0050433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2508211 | -.003087 | .0095147 | .0003181 | -.000140 | -.000423 | -.000942 |
| Stddev | .0504178 | .000758  | .0008359 | .0001456 | .005128  | .001410  | .001106  |
| %RSD   | 20.10108 | 24.54431 | 8.785098 | 45.77951 | 3658.967 | 333.3074 | 117.4546 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3008429 | -.002357 | .0104285 | .0001938 | .005640  | .000592  | -.001681 |
| #2 | .2000165 | -.003870 | .0087887 | .0004783 | -.004143 | -.002033 | .000330  |
| #3 | .2516040 | -.003034 | .0093270 | .0002822 | -.001917 | .000171  | -.001473 |

Sample Name: CCB073      Acquired: 10/17/2018 17:02:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v694)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB073      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001501 | -.004742 | .0000424 |
| Stddev | .002367  | .000196  | .0000535 |
| %RSD   | 157.6427 | 4.142130 | 126.0917 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002633 | -.004965 | .0000416 |
| #2 | .001219  | -.004670 | -.000011 |
| #3 | -.003090 | -.004592 | .000096  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2203.557 | 2467.115 | 50722.20 | 4970.342 | 3608.184 |
| Stddev    | 9.939    | 1.527    | 275.27   | 9.088    | 5.021    |
| %RSD      | .4510323 | .0619065 | .5427037 | .1828429 | .1391566 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2201.091 | 2468.047 | 50656.22 | 4980.325 | 3604.424 |
| #2 | 2195.083 | 2465.352 | 50485.91 | 4962.550 | 3606.241 |
| #3 | 2214.496 | 2467.944 | 51024.46 | 4968.150 | 3613.886 |