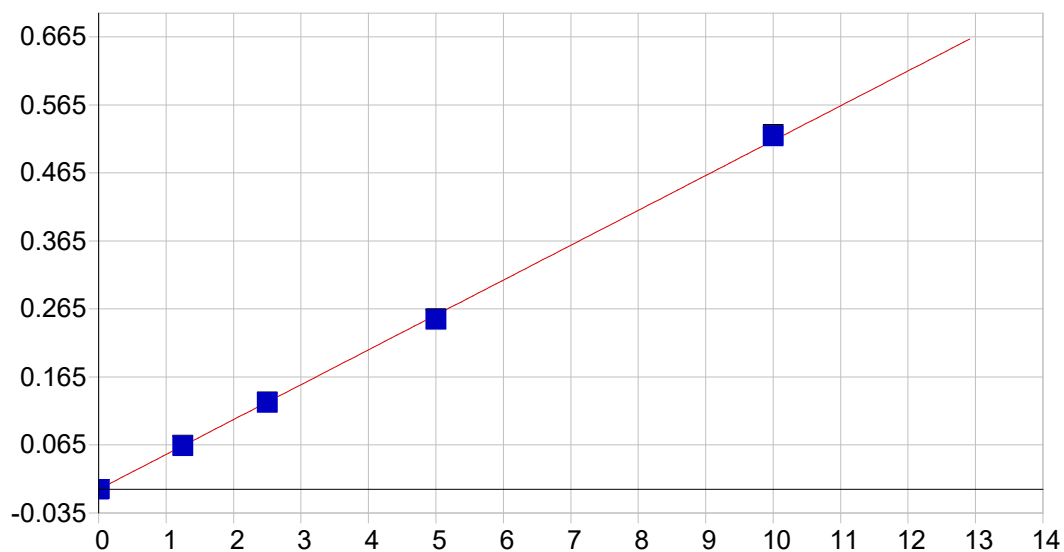


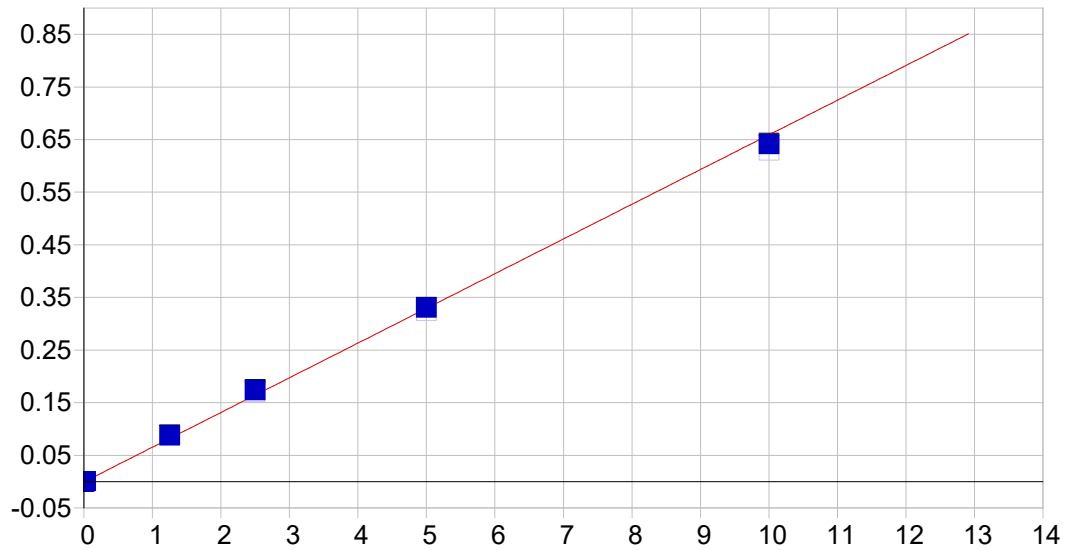


### As 189.042 {479}

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000243      Re-Slope: 1.000000  
 A1 (Gain): 0.051275      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999856      Status: OK.  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.003263  
 Predicted MQL: 0.010877

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00024 | .000    | 1        |
| S1        | .01000       | .01015      | .000       | 1.46    | .00028  | .000    | 1        |
| S2        | 1.2500       | 1.2452      | -.005      | -.384   | .06338  | .001    | 1        |
| S3        | 2.5000       | 2.4927      | -.007      | -.292   | .12711  | .001    | 1        |
| S4        | 5.0000       | 4.8709      | -.129      | -2.58   | .24860  | .001    | 1        |
| S5        | 10.000       | 10.141      | .141       | 1.41    | .51791  | .002    | 1        |

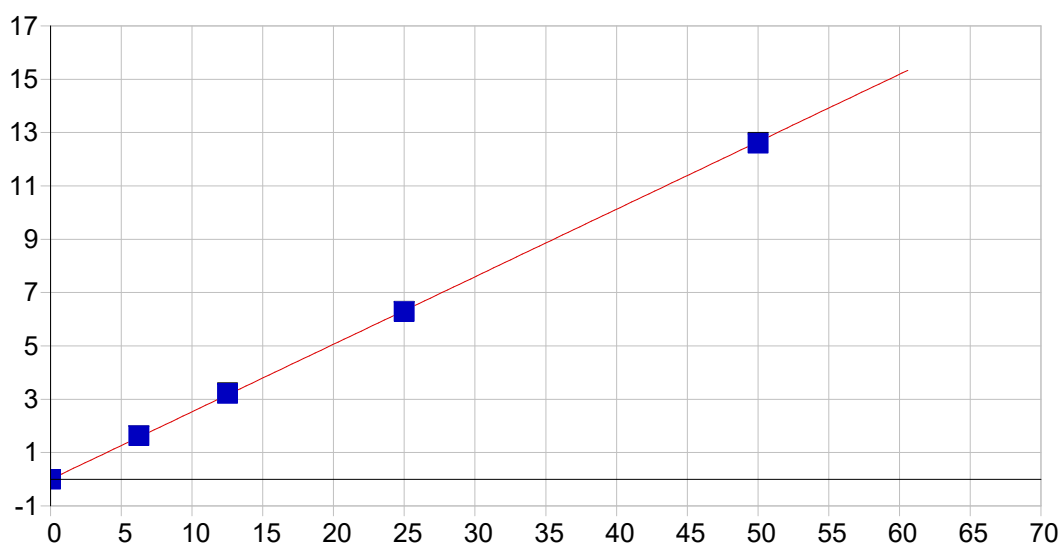


**TI 190.856 {477}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000556 Re-Slope: 1.000000  
 A1 (Gain): 0.065954 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999351 Status: OK.  
 Std Error of Est: 0.000062  
 Predicted MDL: 0.002318  
 Predicted MQL: 0.007727

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00056 | .000    | 1        |
| S1        | .02500       | .02659      | .002       | 6.37    | .00113  | .000    | 1        |
| S2        | 1.2500       | 1.3475      | .098       | 7.80    | .08680  | .000    | 1        |
| S3        | 2.5000       | 2.6455      | .145       | 5.82    | .17089  | .001    | 1        |
| S4        | 5.0000       | 5.0241      | .024       | .483    | .32473  | .001    | 1        |
| S5        | 10.000       | 9.7313      | -.269      | -2.69   | .62910  | .002    | 1        |

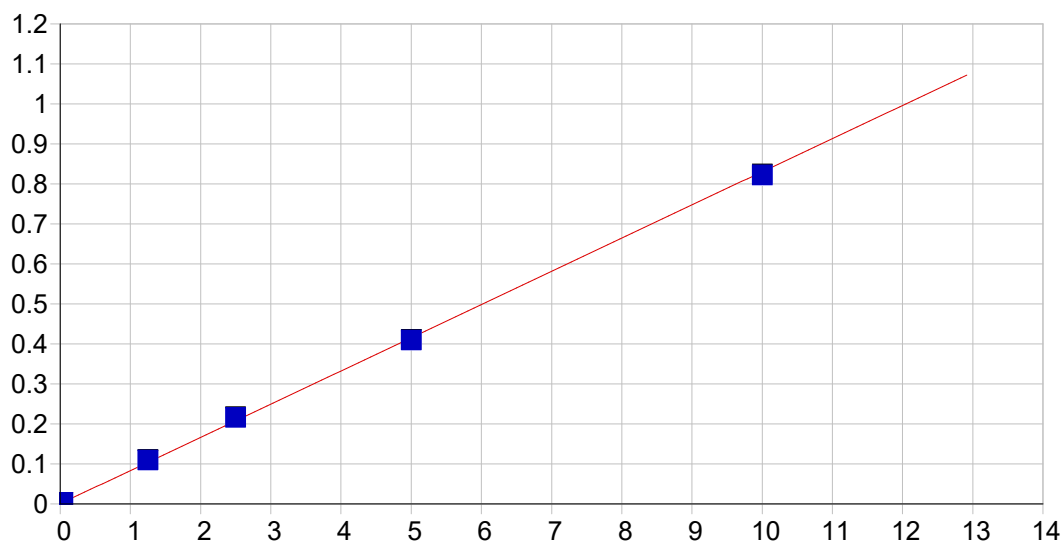


### Pb 220.353 {453}

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000325 Re-Slope: 1.000000  
 A1 (Gain): 0.253081 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999946 Status: OK.  
 Std Error of Est: 0.000098  
 Predicted MDL: 0.001580  
 Predicted MQL: 0.005268

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00032 | .000    | 1        |
| S1        | .01000       | .01004      | .000       | .397    | .00222  | .000    | 1        |
| S2        | 6.2500       | 6.4181      | .168       | 2.69    | 1.6238  | .004    | 1        |
| S3        | 12.500       | 12.710      | .210       | 1.68    | 3.2161  | .016    | 1        |
| S4        | 25.000       | 24.837      | -.163      | -.654   | 6.2847  | .015    | 1        |
| S5        | 50.000       | 49.785      | -.215      | -.430   | 12.598  | .029    | 1        |

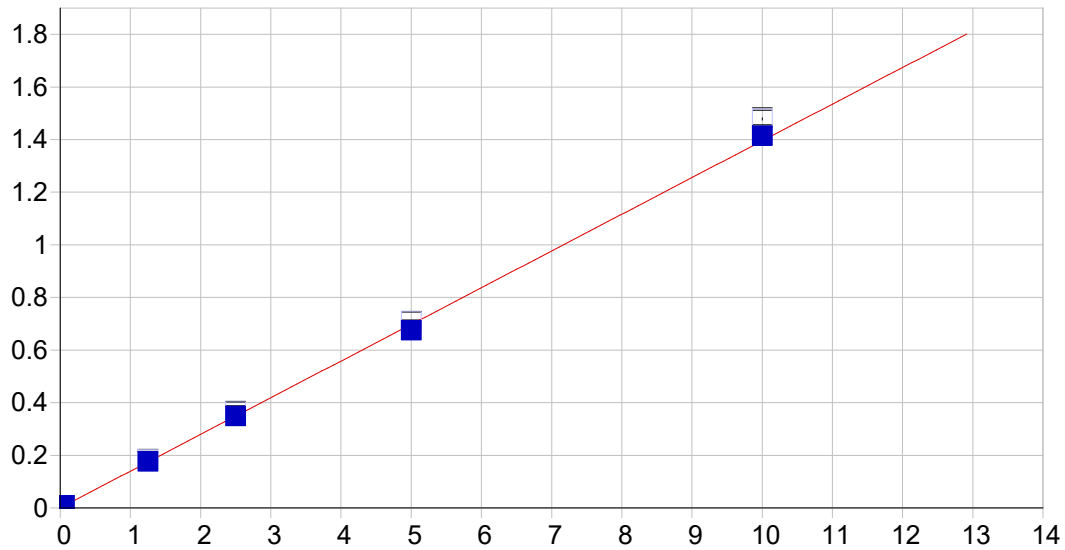


**Se 196.090 {472}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000450 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.082990 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999751 | Status:   | OK.      |
| Std Error of Est: | 0.000058 |           |          |
| Predicted MDL:    | 0.002734 |           |          |
| Predicted MQL:    | 0.009112 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00045 | .000    | 1        |
| S1        | .03500       | .03666      | .002       | 4.74    | .00349 | .000    | 1        |
| S2        | 1.2500       | 1.3134      | .063       | 5.07    | .10918 | .001    | 1        |
| S3        | 2.5000       | 2.6016      | .102       | 4.06    | .21581 | .001    | 1        |
| S4        | 5.0000       | 4.9322      | -.068      | -1.36   | .40868 | .001    | 1        |
| S5        | 10.000       | 9.9011      | -.099      | -.989   | .81996 | .003    | 1        |

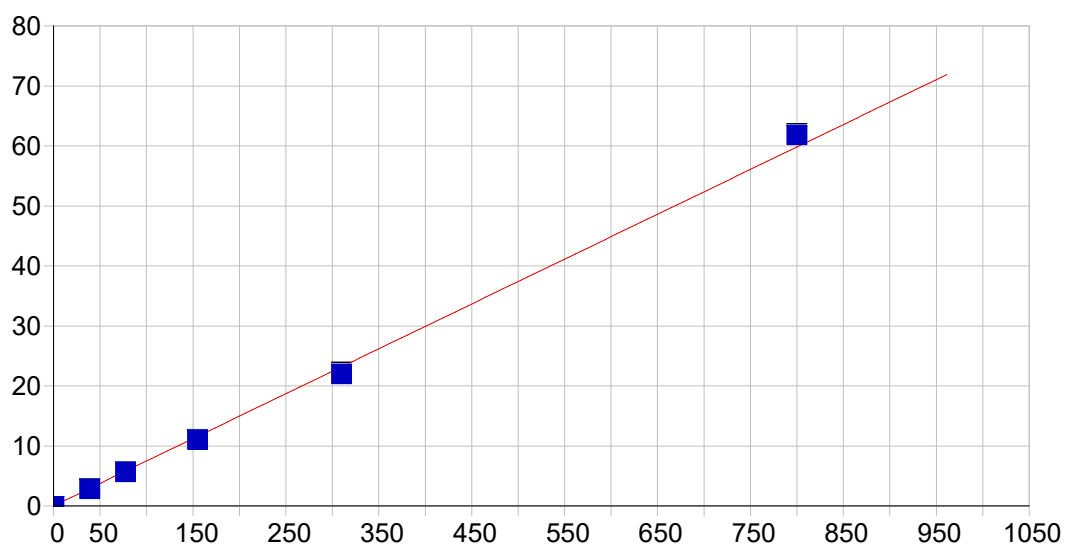


**Sb 206.833 {463}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000208 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.139488 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999819 | Status:   | OK.      |
| Std Error of Est: | 0.000114 |           |          |
| Predicted MDL:    | 0.001807 |           |          |
| Predicted MQL:    | 0.006024 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00021 | .000    | 1        |
| S1        | .06000       | .06498      | .005       | 8.30    | .00928 | .000    | 1        |
| S2        | 1.2500       | 1.2602      | .010       | .814    | .18402 | .001    | 1        |
| S3        | 2.5000       | 2.5034      | .003       | .138    | .36547 | .001    | 1        |
| S4        | 5.0000       | 4.8419      | -.158      | -3.16   | .70770 | .001    | 1        |
| S5        | 10.000       | 10.140      | .140       | 1.40    | 1.4788 | .004    | 1        |

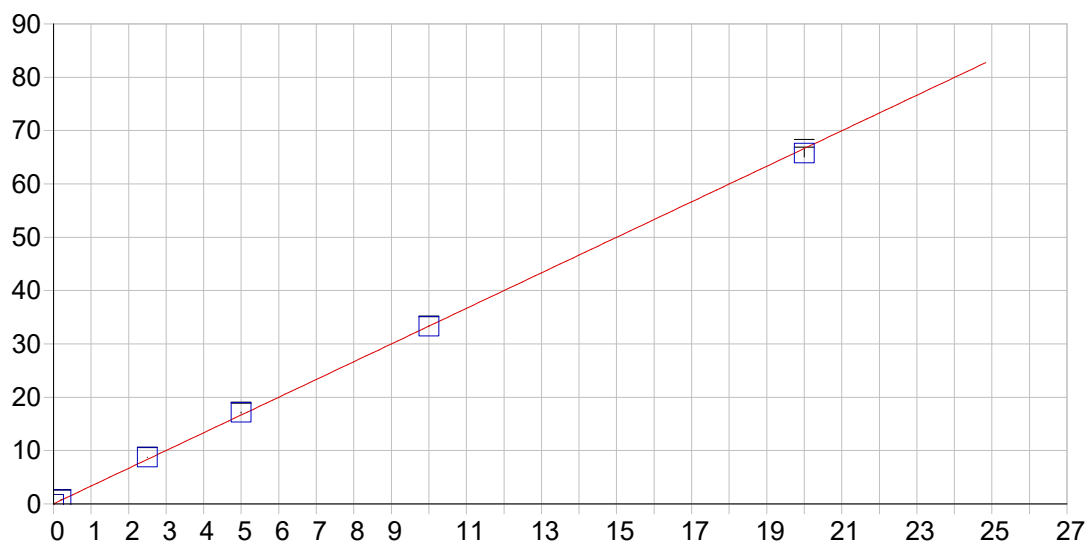


AI 396.152 { 85}

Date of Fit: 02/13/2019 11:27:16 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005977 Re-Slope: 1.000000  
 A1 (Gain): 0.074773 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999214 Status: OK.  
 Std Error of Est: 0.001846  
 Predicted MDL: 0.018549  
 Predicted MQL: 0.061828

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00598 | .001    | 1        |
| S1        | .20000       | .20863      | .009       | 4.31    | .02183 | .000    | 1        |
| S2        | 38.750       | 37.960      | -.790      | -2.04   | 2.8502 | .015    | 1        |
| S3        | 77.500       | 75.299      | -2.20      | -2.84   | 5.6479 | .024    | 1        |
| S4        | 155.00       | 147.44      | -7.56      | -4.88   | 11.054 | .024    | 1        |
| S5        | 310.00       | 293.87      | -16.1      | -5.20   | 22.026 | .290    | 1        |
| S6        | 800.00       | 826.71      | 26.7       | 3.34    | 61.859 | .227    | 1        |

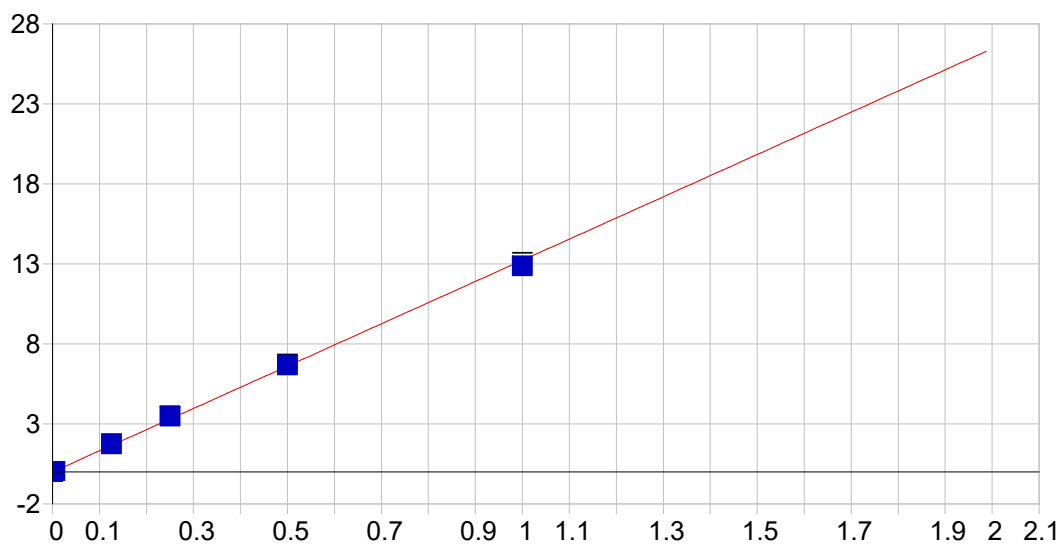


**Ba 493.409 { 68}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.024421 Re-Slope: 1.000000  
 A1 (Gain): 3.330580 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999801 Status: OK.  
 Std Error of Est: 0.007057  
 Predicted MDL: 0.001188  
 Predicted MQL: 0.003961

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00003     | -.000      | .000    | .02431 | .003    | 1        |
| S1        | .20000       | .22084      | .021       | 10.4    | .75993 | .008    | 1        |
| S2        | 2.5000       | 2.6164      | .116       | 4.65    | 8.7385 | .044    | 1        |
| S3        | 5.0000       | 5.1385      | .139       | 2.77    | 17.139 | .071    | 1        |
| S4        | 10.000       | 9.9903      | -.010      | -.097   | 33.298 | .076    | 1        |
| S5        | 20.000       | 19.734      | -.266      | -1.33   | 65.750 | .720    | 1        |



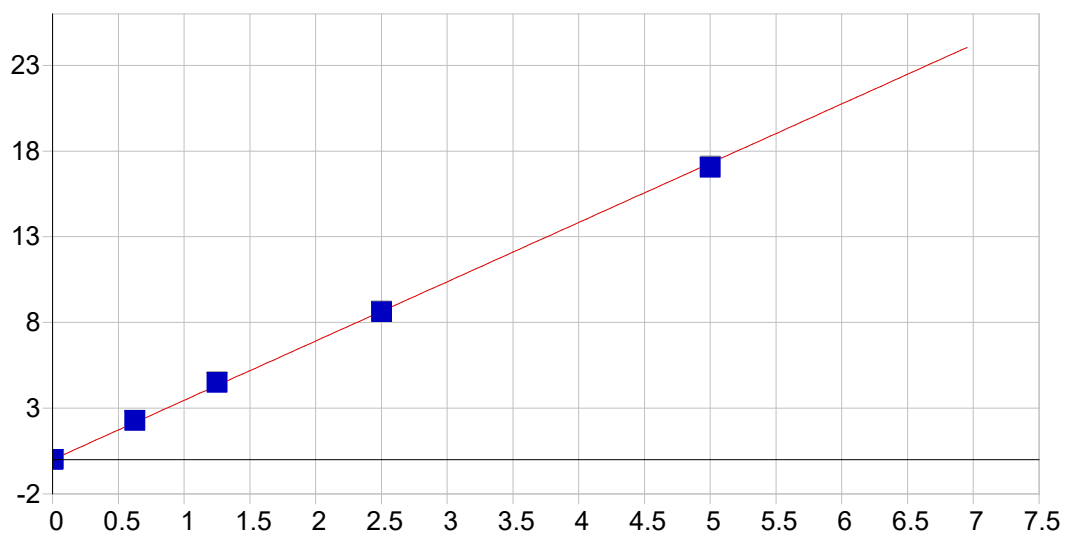
**Be 234.861 {144}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.003441 Re-Slope: 1.000000  
 A1 (Gain): 13.228451 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999510 Status: OK.  
 Std Error of Est: 0.001549  
 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    | -.00345 | .001    | 1        |
| S1        | .00500       | .00533      | .000       | 6.63    | .06704  | .001    | 1        |
| S2        | .12500       | .13213      | .007       | 5.71    | 1.7390  | .009    | 1        |
| S3        | .25000       | .26336      | .013       | 5.34    | 3.4694  | .016    | 1        |
| S4        | .50000       | .50458      | .005       | .917    | 6.6495  | .072    | 1        |
| S5        | 1.0000       | .97459      | -.025      | -2.54   | 12.845  | .213    | 1        |



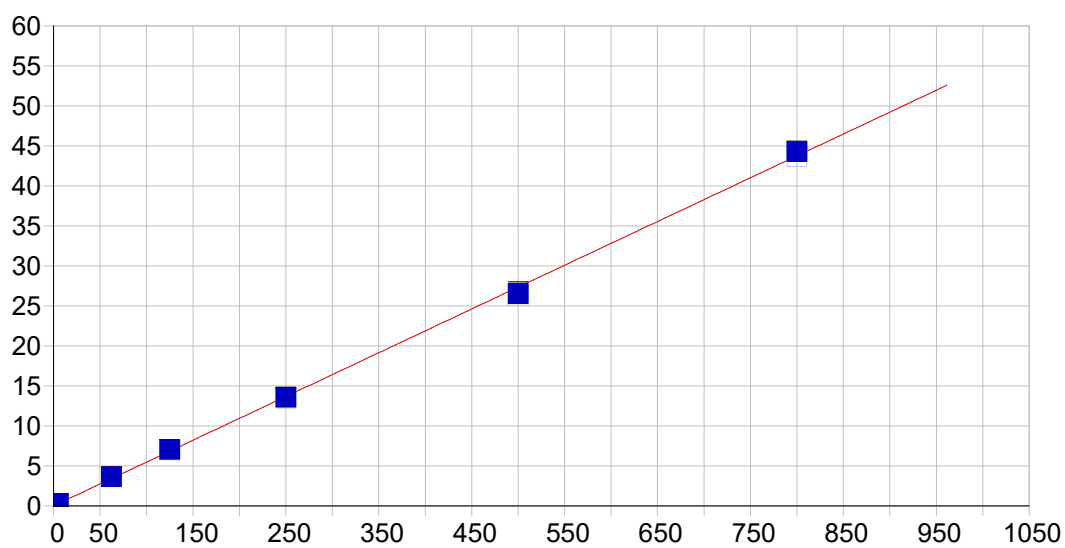


**Cd 214.438 {457}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.000462 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 3.458623  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999758  | Status:   | OK.      |
| Std Error of Est: | 0.000639  |           |          |
| Predicted MDL:    | 0.000080  |           |          |
| Predicted MQL:    | 0.000265  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00046 | .000    | 1        |
| S1        | .00500       | .00546      | .000       | 9.23    | .01844  | .000    | 1        |
| S2        | .62500       | .65700      | .032       | 5.12    | 2.2752  | .010    | 1        |
| S3        | 1.2500       | 1.2980      | .048       | 3.84    | 4.4955  | .020    | 1        |
| S4        | 2.5000       | 2.4902      | -.010      | -.390   | 8.6256  | .028    | 1        |
| S5        | 5.0000       | 4.9293      | -.071      | -1.41   | 17.075  | .041    | 1        |

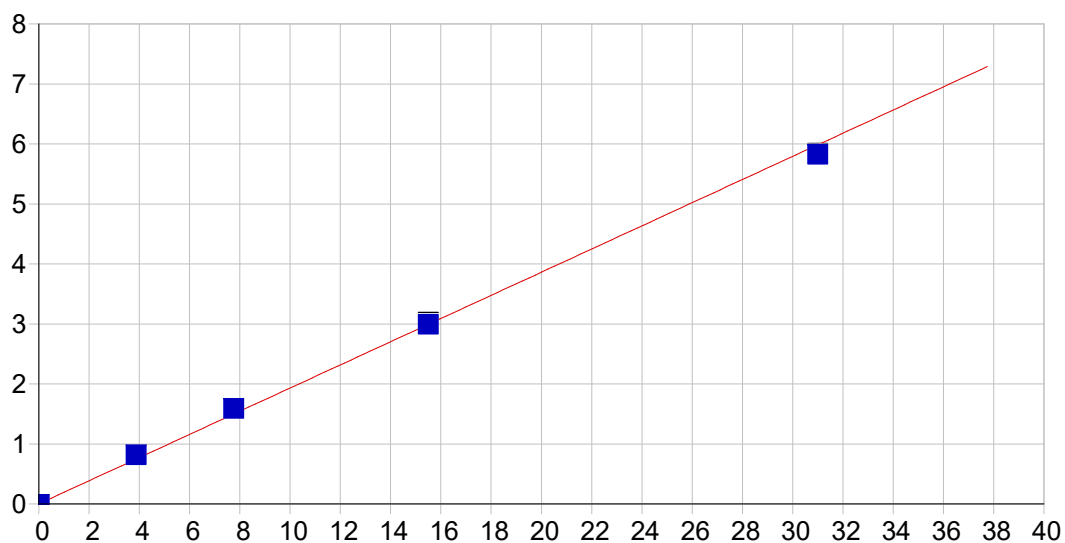


Ca 373.690 { 90}

Date of Fit: 02/13/2019 11:27:16 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004972 Re-Slope: 1.000000  
 A1 (Gain): 0.054685 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999693 Status: OK.  
 Std Error of Est: 0.004679  
 Predicted MDL: 0.022785  
 Predicted MQL: 0.075949

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00099     | -.001      | .000    | .00492 | .001    | 1        |
| S1        | 5.0000       | 5.6681      | .668       | 13.4    | .31485 | .004    | 1        |
| S2        | 62.500       | 66.572      | 4.07       | 6.51    | 3.6149 | .016    | 1        |
| S3        | 125.00       | 128.33      | 3.33       | 2.67    | 6.9617 | .030    | 1        |
| S4        | 250.00       | 247.82      | -2.18      | -.870   | 13.435 | .025    | 1        |
| S5        | 500.00       | 484.65      | -15.4      | -3.07   | 26.264 | .250    | 1        |
| S6        | 800.00       | 809.51      | 9.51       | 1.19    | 43.621 | .085    | 1        |

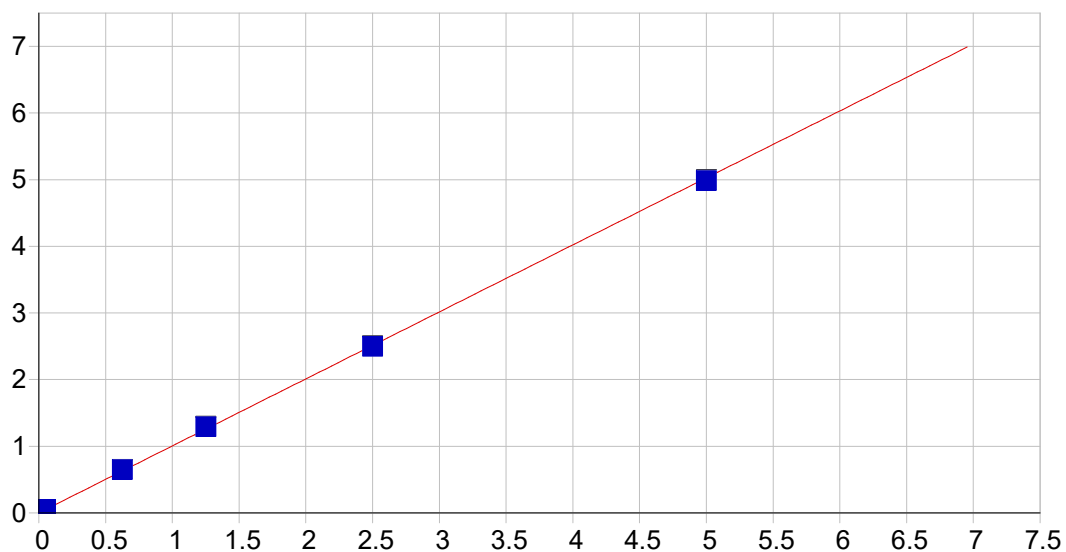


### Cr 267.716 {126}

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000077 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.193087 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999277 | Status:   | OK.      |
| Std Error of Est: | 0.000217 |           |          |
| Predicted MDL:    | 0.000693 |           |          |
| Predicted MQL:    | 0.002311 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00008 | .000    | 1        |
| S1        | .01000       | .01162      | .002       | 16.2    | .00232 | .000    | 1        |
| S2        | 3.8750       | 4.2363      | .361       | 9.32    | .81899 | .001    | 1        |
| S3        | 7.7500       | 8.2196      | .470       | 6.06    | 1.5890 | .003    | 1        |
| S4        | 15.500       | 15.492      | -.008      | -.050   | 2.9952 | .033    | 1        |
| S5        | 31.000       | 30.175      | -.825      | -2.66   | 5.8340 | .012    | 1        |

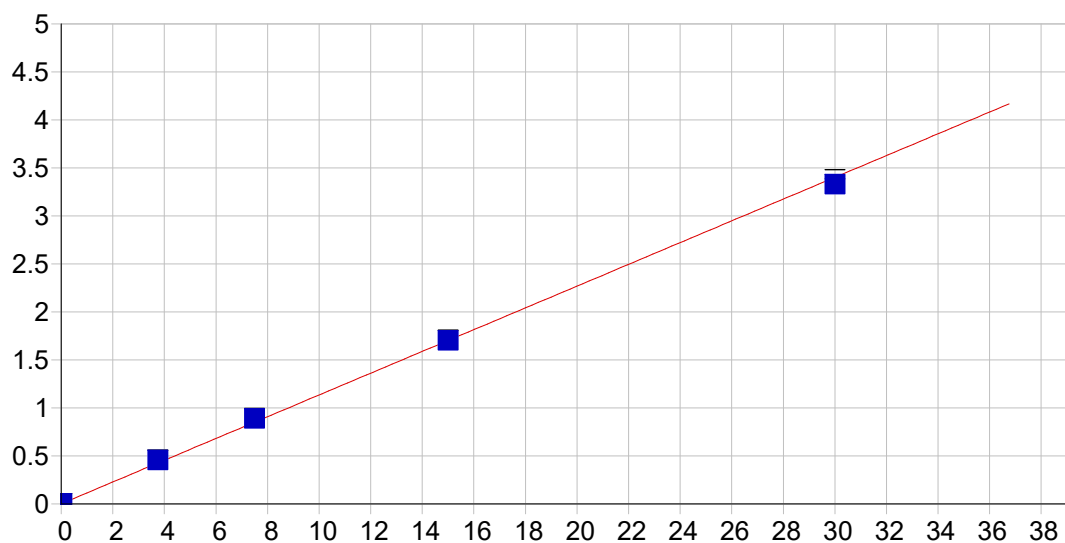


**Co 228.616 {448}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000391 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 1.005215 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999887 | Status:   | OK.      |
| Std Error of Est: | 0.000402 |           |          |
| Predicted MDL:    | 0.000270 |           |          |
| Predicted MQL:    | 0.000899 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00039 | .000    | 1        |
| S1        | .05000       | .05229      | .002       | 4.58    | .05313 | .000    | 1        |
| S2        | .62500       | .64541      | .020       | 3.27    | .65017 | .001    | 1        |
| S3        | 1.2500       | 1.2840      | .034       | 2.72    | 1.2931 | .006    | 1        |
| S4        | 2.5000       | 2.4843      | -.016      | -.630   | 2.5016 | .004    | 1        |
| S5        | 5.0000       | 4.9590      | -.041      | -.820   | 4.9933 | .010    | 1        |

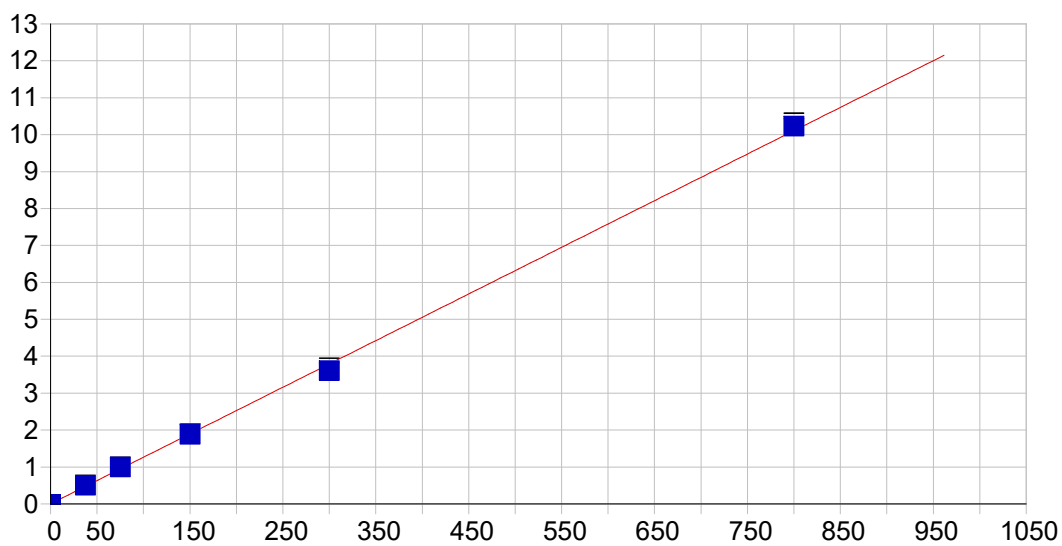


**Cu 324.754 {104}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001586 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.113346 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999590 | Status:   | OK.      |
| Std Error of Est: | 0.000149 |           |          |
| Predicted MDL:    | 0.006102 |           |          |
| Predicted MQL:    | 0.020341 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00159 | .000    | 1        |
| S1        | .02500       | .02462      | -.000      | -1.51   | .00437 | .000    | 1        |
| S2        | 3.7500       | 4.0111      | .261       | 6.96    | .45591 | .002    | 1        |
| S3        | 7.5000       | 7.8354      | .335       | 4.47    | .88907 | .002    | 1        |
| S4        | 15.000       | 15.026      | .026       | .173    | 1.7035 | .002    | 1        |
| S5        | 30.000       | 29.378      | -.622      | -2.07   | 3.3289 | .047    | 1        |

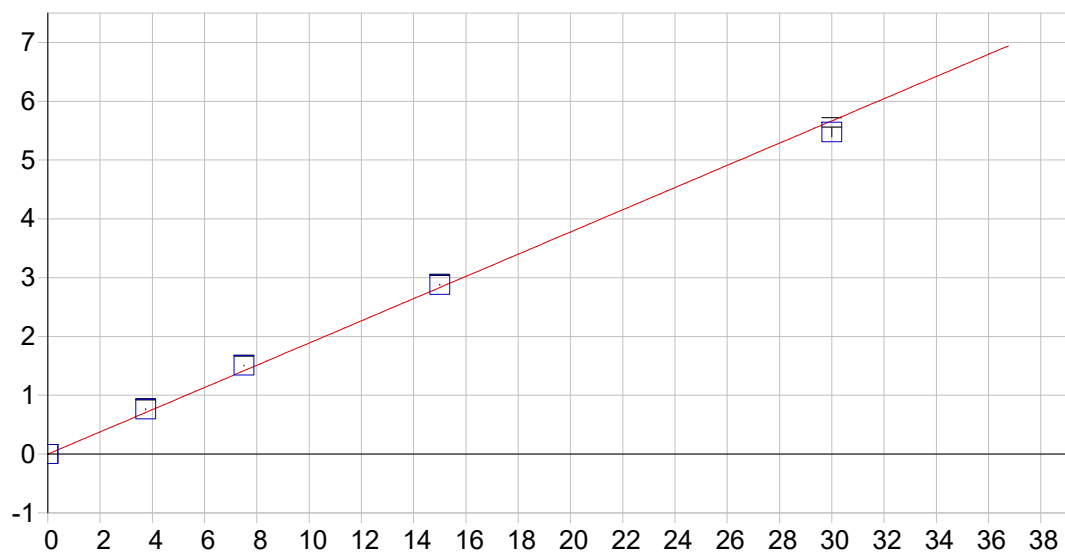


### Fe 259.837 {130}

Date of Fit: 02/13/2019 11:27:16 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000195 Re-Slope: 1.000000  
 A1 (Gain): 0.012635 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999598 Status: OK.  
 Std Error of Est: 0.000157  
 Predicted MDL: 0.028139  
 Predicted MQL: 0.093795

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00019 | .000    | 1        |
| S1        | .10000       | .10063      | .001       | .628    | .00152 | .000    | 1        |
| S2        | 37.500       | 39.589      | 2.09       | 5.57    | .50137 | .006    | 1        |
| S3        | 75.000       | 78.541      | 3.54       | 4.72    | .99449 | .001    | 1        |
| S4        | 150.00       | 149.07      | -.927      | -.618   | 1.8876 | .011    | 1        |
| S5        | 300.00       | 285.59      | -14.4      | -4.80   | 3.6164 | .066    | 1        |
| S6        | 800.00       | 809.72      | 9.72       | 1.21    | 10.243 | .075    | 1        |

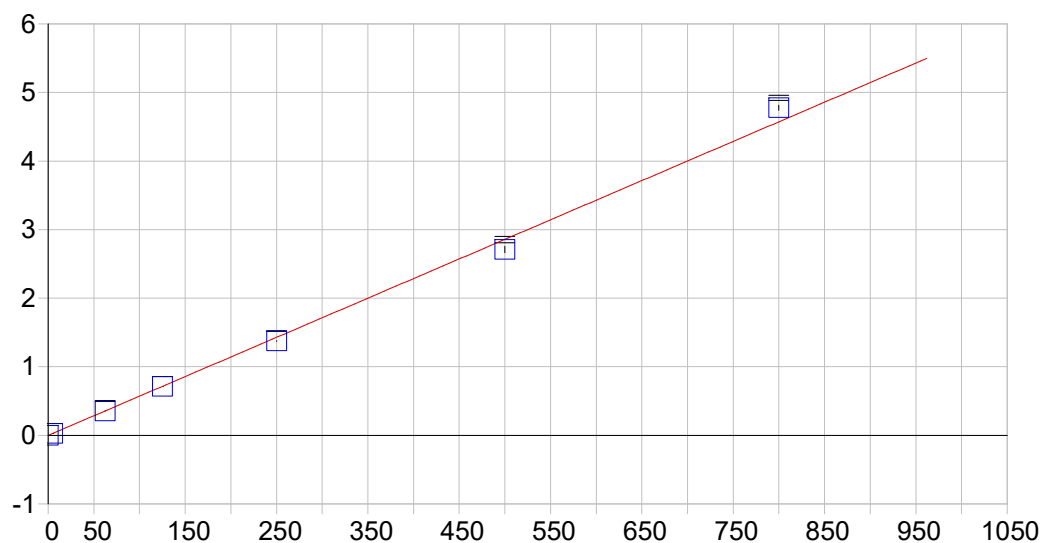


**Mn 257.610 {131}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000270 Re-Slope: 1.000000  
 A1 (Gain): 0.188889 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999176 Status: OK.  
 Std Error of Est: 0.000273  
 Predicted MDL: 0.001849  
 Predicted MQL: 0.006163

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00027 | .000    | 1        |
| S1        | .01500       | .01673      | .002       | 11.5    | .00289  | .000    | 1        |
| S2        | 3.7500       | 4.0464      | .296       | 7.90    | .76405  | .009    | 1        |
| S3        | 7.5000       | 7.9755      | .476       | 6.34    | 1.5062  | .008    | 1        |
| S4        | 15.000       | 15.249      | .249       | 1.66    | 2.8802  | .013    | 1        |
| S5        | 30.000       | 28.977      | -1.02      | -3.41   | 5.4732  | .080    | 1        |



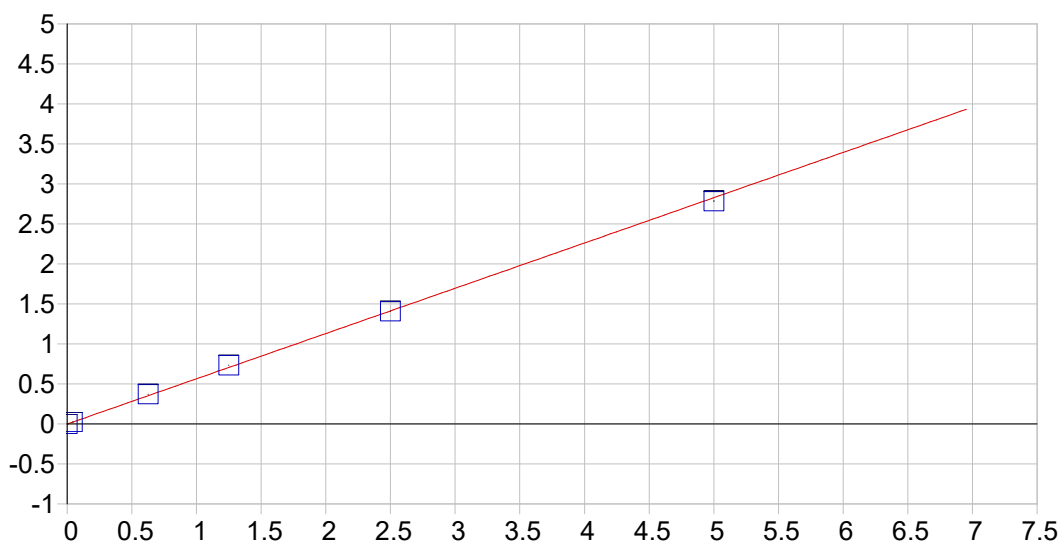
### Mg 279.079 {121}

Date of Fit: 02/13/2019 11:27:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000320 Re-Slope: 1.000000  
 A1 (Gain): 0.005716 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999061 Status: OK.  
 Std Error of Est: 0.000865  
 Predicted MDL: 0.074922  
 Predicted MQL: 0.249742

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00019      | .000       | .000    | -.00032 | .000    | 1        |
| S1        | 5.0000       | 5.0701      | .070       | 1.40    | .02866  | .000    | 1        |
| S2        | 62.500       | 62.102      | -.398      | -.637   | .35467  | .006    | 1        |
| S3        | 125.00       | 124.91      | -.092      | -.074   | .71368  | .001    | 1        |
| S4        | 250.00       | 240.83      | -9.17      | -3.67   | 1.3763  | .005    | 1        |
| S5        | 500.00       | 473.99      | -26.0      | -5.20   | 2.7091  | .047    | 1        |
| S6        | 800.00       | 835.59      | 35.6       | 4.45    | 4.7761  | .037    | 1        |



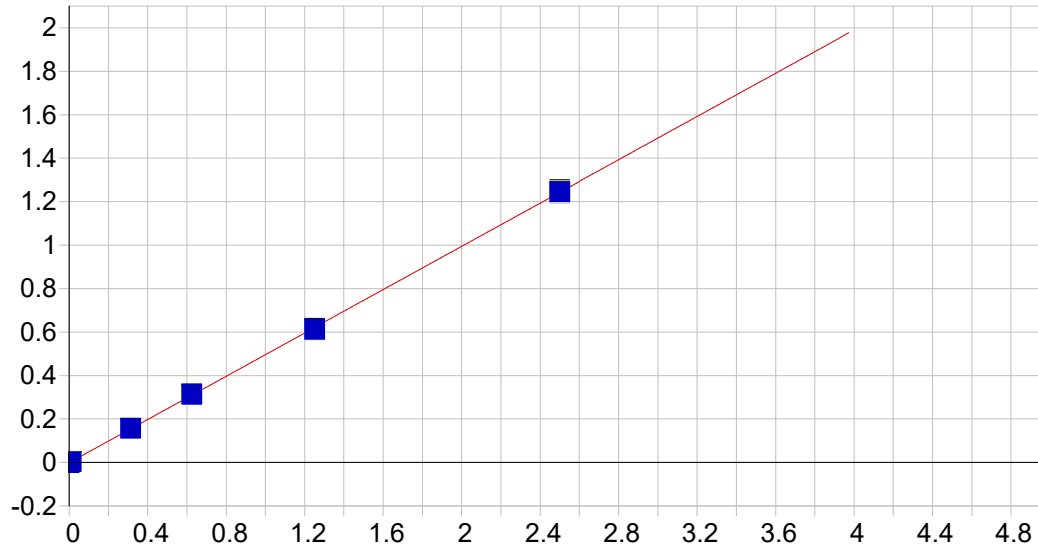


Ni 231.604 {446}

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |           |          |
|-------------------|-----------|-----------|----------|
| A0 (Offset):      | -0.001550 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.565789  | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000  |           |          |
| n (Exponent):     | 1.000000  |           |          |
| Correlation:      | 0.999730  | Status:   | OK.      |
| Std Error of Est: | 0.000312  |           |          |
| Predicted MDL:    | 0.000485  |           |          |
| Predicted MQL:    | 0.001618  |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00155 | .000    | 1        |
| S1        | .04000       | .04413      | .004       | 10.3    | .02342  | .000    | 1        |
| S2        | .62500       | .65703      | .032       | 5.12    | .37019  | .001    | 1        |
| S3        | 1.2500       | 1.2979      | .048       | 3.84    | .73282  | .003    | 1        |
| S4        | 2.5000       | 2.4918      | -.008      | -.327   | 1.4083  | .003    | 1        |
| S5        | 5.0000       | 4.9241      | -.076      | -1.52   | 2.7844  | .006    | 1        |

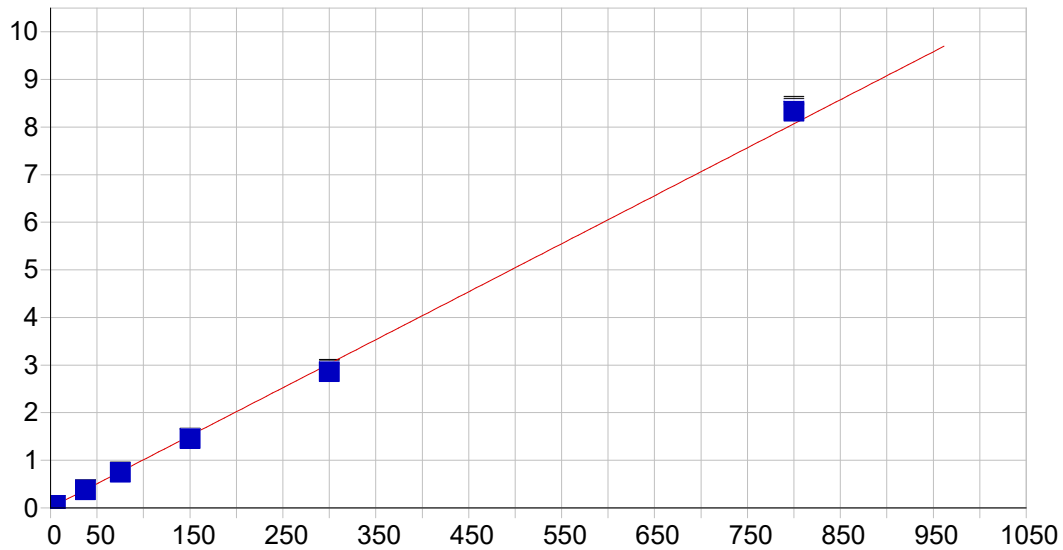


**Ag 328.068 {103}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001874 Re-Slope: 1.000000  
 A1 (Gain): 0.498061 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999942 Status: OK.  
 Std Error of Est: 0.000045  
 Predicted MDL: 0.000498  
 Predicted MQL: 0.001660

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00187 | .000    | 1        |
| S1        | .01000       | .01086      | .001       | 8.63    | .00350  | .000    | 1        |
| S2        | .31250       | .31909      | .007       | 2.11    | .15604  | .001    | 1        |
| S3        | .62500       | .63187      | .007       | 1.10    | .31080  | .002    | 1        |
| S4        | 1.2500       | 1.2325      | -.018      | -1.40   | .60791  | .005    | 1        |
| S5        | 2.5000       | 2.5032      | .003       | .129    | 1.2368  | .009    | 1        |

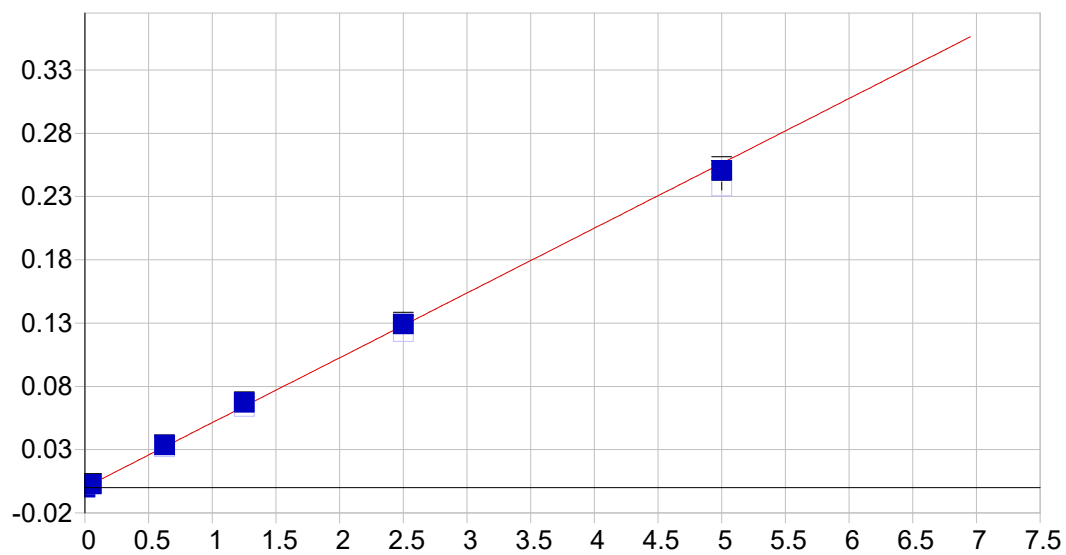


Na 818.326 { 41}

Date of Fit: 02/13/2019 11:27:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003628 Re-Slope: 1.000000  
 A1 (Gain): 0.010083 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999232 Status: OK.  
 Std Error of Est: 0.001228  
 Predicted MDL: 0.353528  
 Predicted MQL: 1.178426

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00069      | .001       | .000    | .00364 | .003    | 1        |
| S1        | 5.0000       | 4.7990      | -.201      | -4.02   | .05202 | .003    | 1        |
| S2        | 37.500       | 37.025      | -.475      | -1.27   | .37862 | .004    | 1        |
| S3        | 75.000       | 73.627      | -1.37      | -1.83   | .74934 | .000    | 1        |
| S4        | 150.00       | 143.71      | -6.29      | -4.20   | 1.4593 | .005    | 1        |
| S5        | 300.00       | 282.71      | -17.3      | -5.76   | 2.8676 | .044    | 1        |
| S6        | 800.00       | 825.63      | 25.6       | 3.20    | 8.3640 | .070    | 1        |

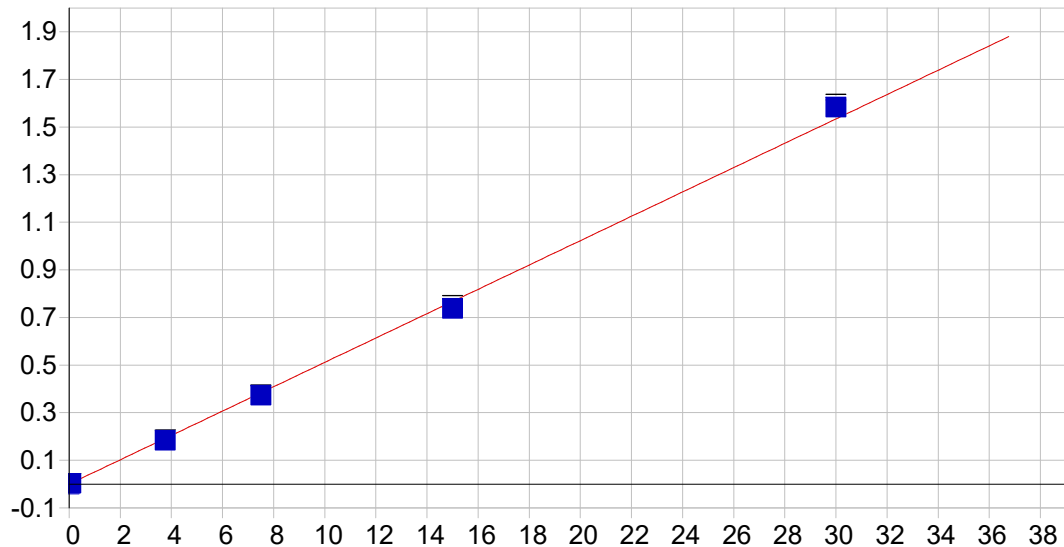


**V 292.402 {115}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000108 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.051230 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999604 | Status:   | OK.      |
| Std Error of Est: | 0.000036 |           |          |
| Predicted MDL:    | 0.009045 |           |          |
| Predicted MQL:    | 0.030150 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00011 | .000    | 1        |
| S1        | .05000       | .05072      | .001       | 1.44    | .00270 | .000    | 1        |
| S2        | .62500       | .65477      | .030       | 4.76    | .03212 | .000    | 1        |
| S3        | 1.2500       | 1.3080      | .058       | 4.64    | .06405 | .001    | 1        |
| S4        | 2.5000       | 2.5221      | .022       | .885    | .12318 | .001    | 1        |
| S5        | 5.0000       | 4.8893      | -.111      | -2.21   | .23831 | .003    | 1        |

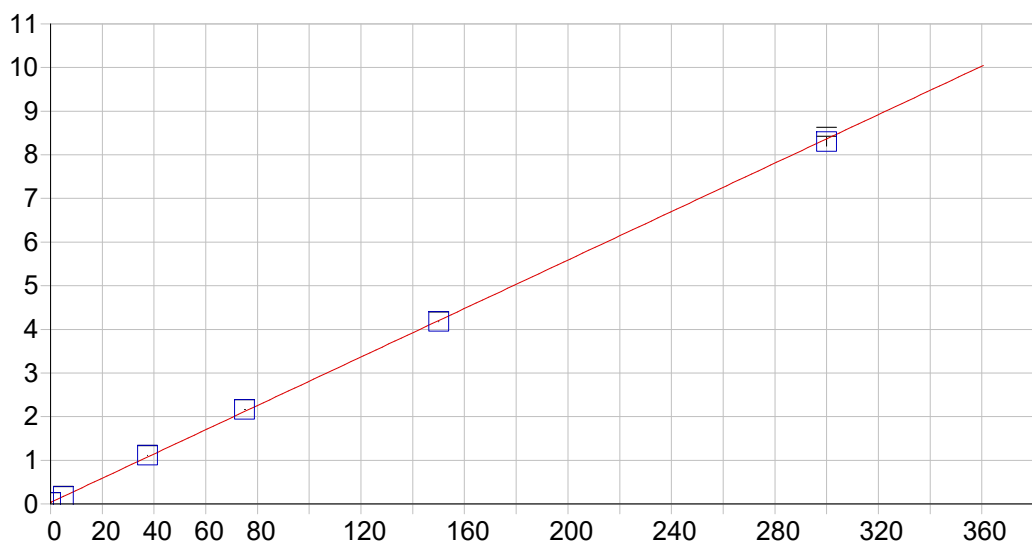


### Zn 213.856 {158}

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000001 Re-Slope: 1.000000  
 A1 (Gain): 0.051147 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999428 Status: OK.  
 Std Error of Est: 0.000123  
 Predicted MDL: 0.012590  
 Predicted MQL: 0.041965

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00000 | .000    | 1        |
| S1        | .06000       | .05737      | -.003      | -4.38   | .00294 | .000    | 1        |
| S2        | 3.7500       | 3.6041      | -.146      | -3.89   | .18466 | .002    | 1        |
| S3        | 7.5000       | 7.2887      | -.211      | -2.82   | .37343 | .002    | 1        |
| S4        | 15.000       | 14.413      | -.587      | -3.92   | .73843 | .012    | 1        |
| S5        | 30.000       | 30.947      | .947       | 3.16    | 1.5854 | .012    | 1        |

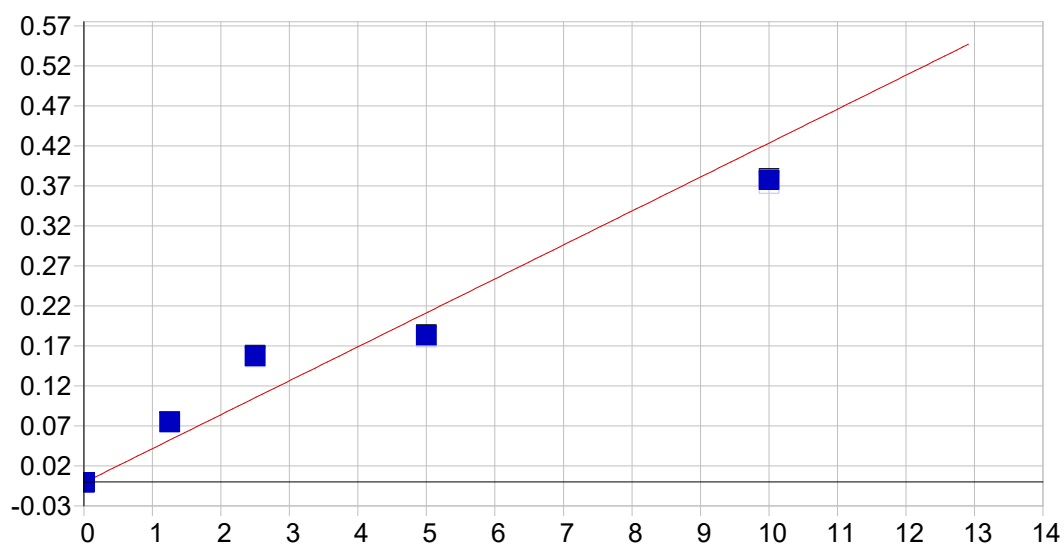


K 769.896 { 44 }

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.034005 Re-Slope: 1.000000  
 A1 (Gain): 0.027772 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999910 Status: OK.  
 Std Error of Est: 0.000766  
 Predicted MDL: 0.099776  
 Predicted MQL: 0.332588

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00027     | -.000      | .000    | .03400 | .002    | 1        |
| S1        | 5.0000       | 5.0509      | .051       | 1.02    | .17428 | .004    | 1        |
| S2        | 37.500       | 38.792      | 1.29       | 3.45    | 1.1113 | .001    | 1        |
| S3        | 75.000       | 76.646      | 1.65       | 2.19    | 2.1626 | .003    | 1        |
| S4        | 150.00       | 149.25      | -.745      | -.497   | 4.1791 | .003    | 1        |
| S5        | 300.00       | 297.76      | -2.24      | -.748   | 8.3032 | .102    | 1        |

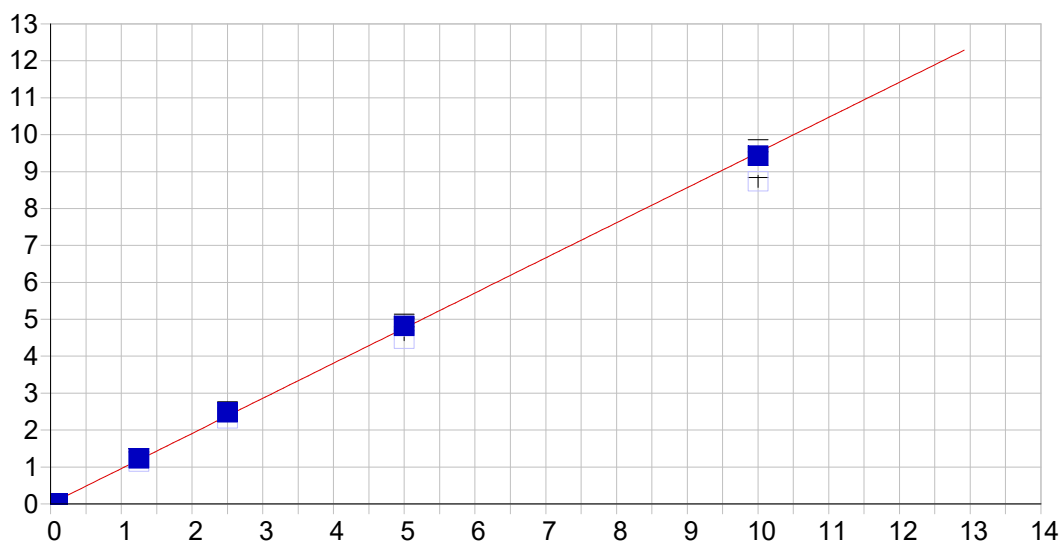


**P 177.495 {490}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000856 Re-Slope: 1.000000  
 A1 (Gain): 0.042418 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.973066 Status: OK.  
 Std Error of Est: 0.000167  
 Predicted MDL: 0.002630  
 Predicted MQL: 0.008768

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00086 | .000    | 1        |
| S1        | .01000       | .00670      | -.003      | -33.0   | -.00057 | .000    | 1        |
| S2        | 1.2500       | 1.7806      | .531       | 42.5    | .07408  | .000    | 1        |
| S3        | 2.5000       | 3.7218      | 1.22       | 48.9    | .15583  | .001    | 1        |
| S4        | 5.0000       | 4.3343      | -.666      | -13.3   | .18062  | .001    | 1        |
| S5        | 10.000       | 8.9166      | -1.08      | -10.8   | .37262  | .002    | 1        |



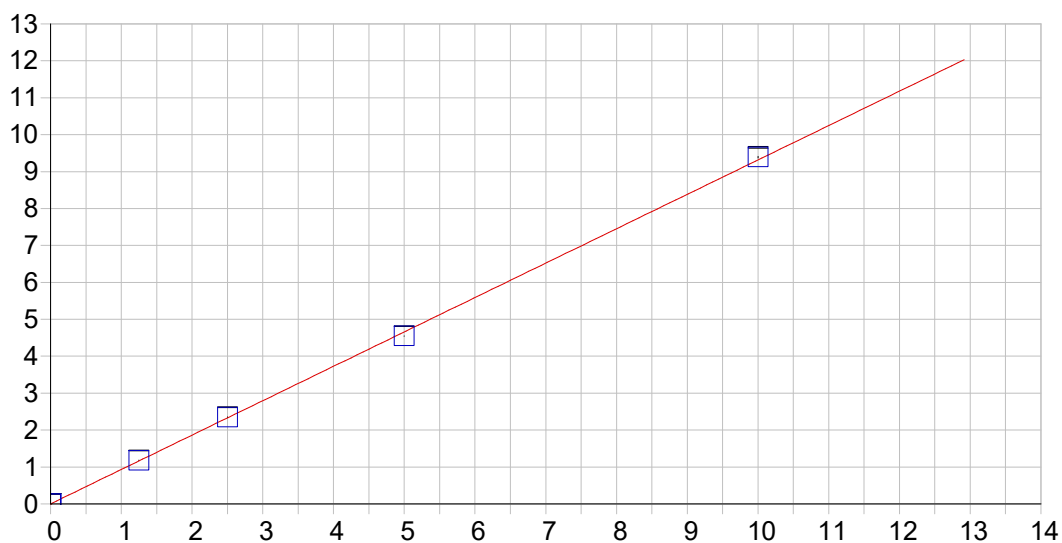
**B 249.678 {135}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006165 Re-Slope: 1.000000  
 A1 (Gain): 0.951127 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997201 Status: OK.  
 Std Error of Est: 0.003516  
 Predicted MDL: 0.001046  
 Predicted MQL: 0.003485

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00008      | .000       | .000    | .00625 | .000    | 1        |
| S1        | .10000       | .00817      | -.092      | -91.8   | .01374 | .001    | 1        |
| S2        | 1.2500       | 1.2836      | .034       | 2.69    | 1.1408 | .005    | 1        |
| S3        | 2.5000       | 2.6037      | .104       | 4.15    | 2.3101 | .015    | 1        |
| S4        | 5.0000       | 5.0574      | .057       | 1.15    | 4.4712 | .052    | 1        |
| S5        | 10.000       | 9.9041      | -.096      | -.959   | 8.7359 | .165    | 1        |



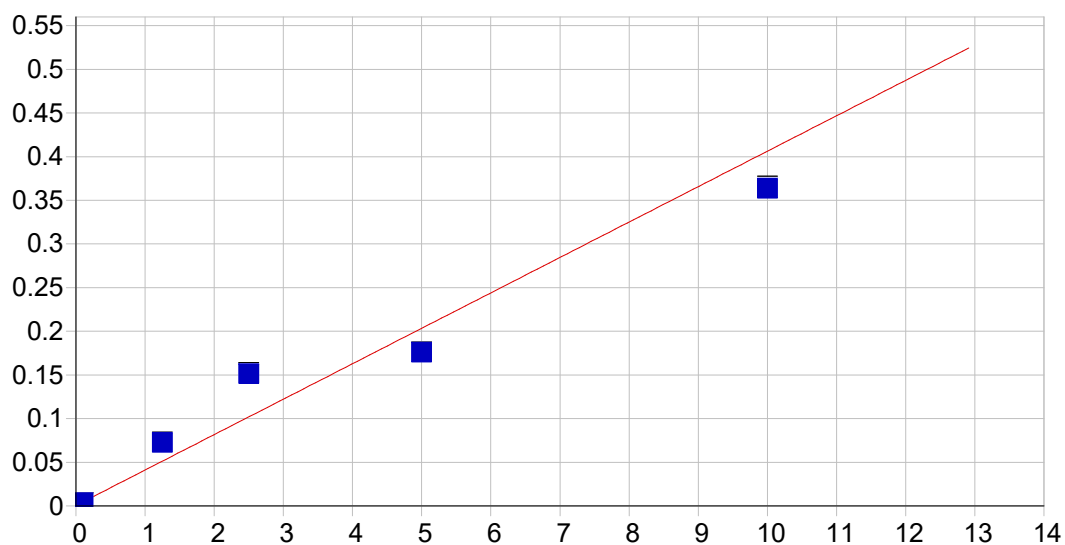


Mo 202.030 {467}

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000702 Re-Slope: 1.000000  
 A1 (Gain): 0.931467 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999895 Status: OK.  
 Std Error of Est: 0.000226  
 Predicted MDL: 0.000271  
 Predicted MQL: 0.000902

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00070 | .000    | 1        |
| S1        | .01000       | .01050      | .001       | 5.01    | .01048 | .000    | 1        |
| S2        | 1.2500       | 1.2645      | .015       | 1.16    | 1.1786 | .007    | 1        |
| S3        | 2.5000       | 2.5236      | .024       | .944    | 2.3514 | .010    | 1        |
| S4        | 5.0000       | 4.8805      | -.119      | -2.39   | 4.5467 | .002    | 1        |
| S5        | 10.000       | 10.081      | .081       | .809    | 9.3907 | .025    | 1        |

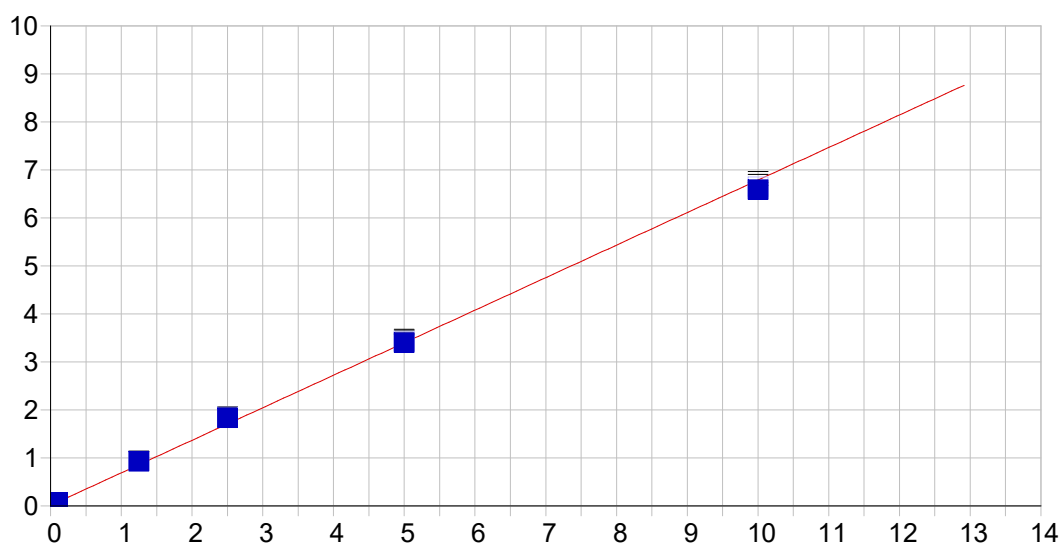


**S 182.034 {485}**

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000546 Re-Slope: 1.000000  
 A1 (Gain): 0.040570 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.973914 Status: OK.  
 Std Error of Est: 0.000503  
 Predicted MDL: 0.003570  
 Predicted MQL: 0.011900

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .00054 | .000    | 1        |
| S1        | .10000       | .07650      | -.023      | -23.5   | .00365 | .000    | 1        |
| S2        | 1.2500       | 1.7785      | .528       | 42.3    | .07280 | .000    | 1        |
| S3        | 2.5000       | 3.7213      | 1.22       | 48.9    | .15173 | .001    | 1        |
| S4        | 5.0000       | 4.3222      | -.678      | -13.6   | .17632 | .000    | 1        |
| S5        | 10.000       | 8.9515      | -1.05      | -10.5   | .36456 | .002    | 1        |

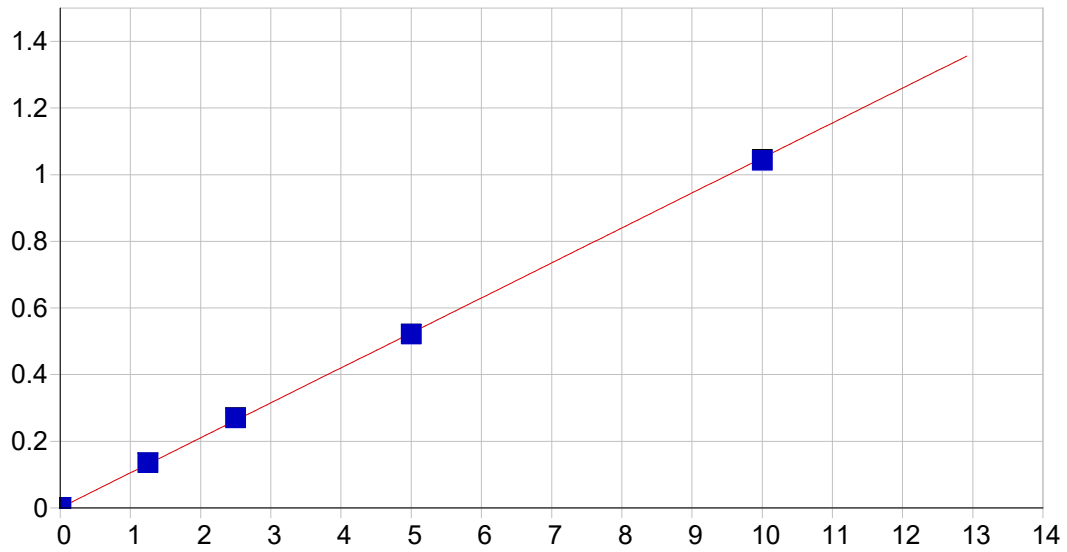


Si 251.611 {134}

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.011608 Re-Slope: 1.000000  
 A1 (Gain): 0.677694 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999193 Status: OK.  
 Std Error of Est: 0.001460  
 Predicted MDL: 0.001331  
 Predicted MQL: 0.004438

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .01160 | .000    | 1        |
| S1        | .10000       | .10336      | .003       | 3.36    | .08189 | .001    | 1        |
| S2        | 1.2500       | 1.3473      | .097       | 7.78    | .93216 | .002    | 1        |
| S3        | 2.5000       | 2.6913      | .191       | 7.65    | 1.8505 | .009    | 1        |
| S4        | 5.0000       | 5.0021      | .002       | .043    | 3.4315 | .040    | 1        |
| S5        | 10.000       | 9.7059      | -.294      | -2.94   | 6.6492 | .114    | 1        |

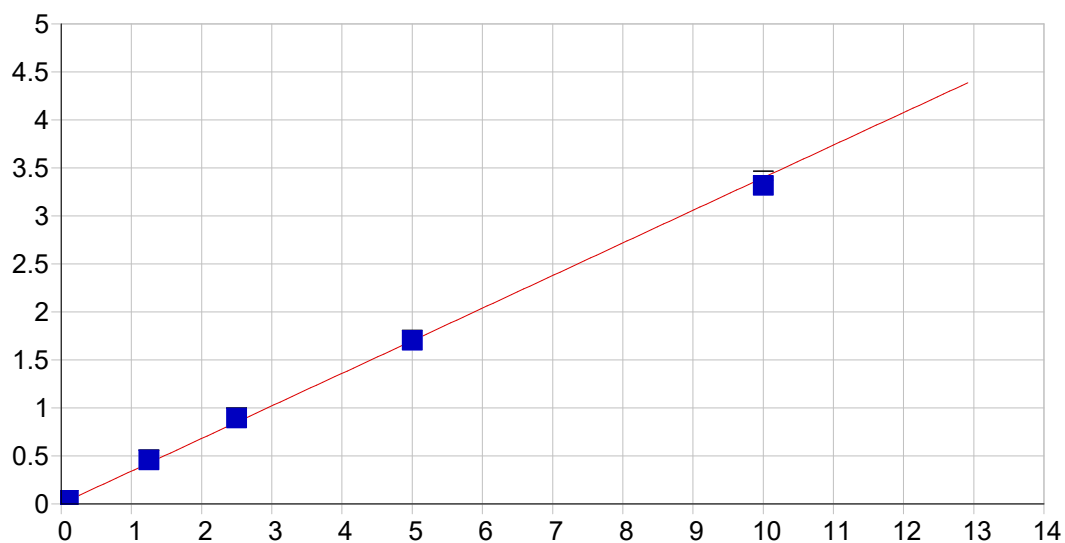


**Sn 189.989 {478}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.000313 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.104970 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999905 | Status:   | OK.      |
| Std Error of Est: | 0.000020 |           |          |
| Predicted MDL:    | 0.001224 |           |          |
| Predicted MQL:    | 0.004080 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00031 | .000    | 1        |
| S1        | .00700       | .00698      | -.000      | -.252   | .00102 | .000    | 1        |
| S2        | 1.2500       | 1.2866      | .037       | 2.93    | .13510 | .001    | 1        |
| S3        | 2.5000       | 2.5661      | .066       | 2.65    | .26914 | .001    | 1        |
| S4        | 5.0000       | 4.9624      | -.038      | -.751   | .52013 | .001    | 1        |
| S5        | 10.000       | 9.9348      | -.065      | -.652   | 1.0410 | .003    | 1        |

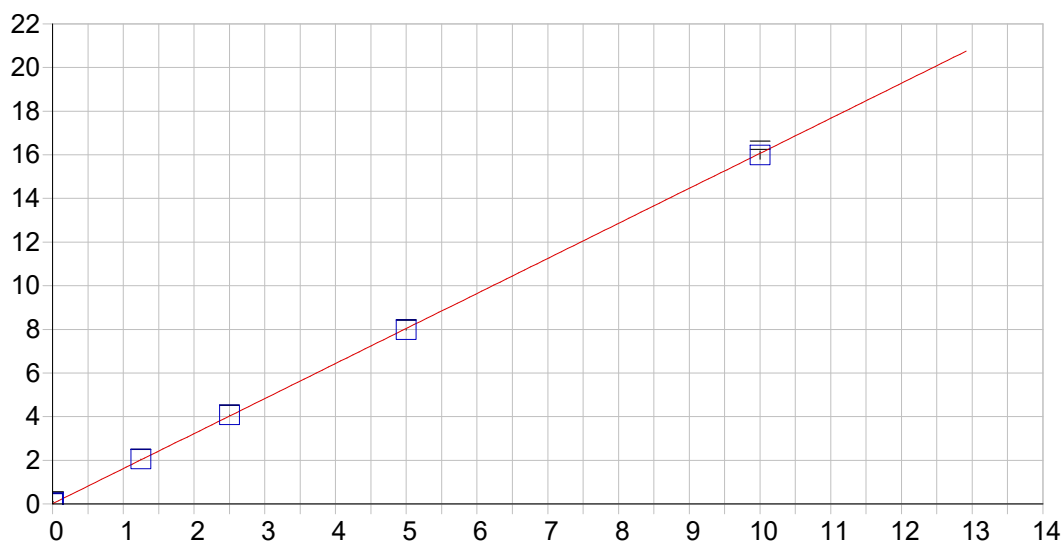


**Ti 336.121 {100}**

Date of Fit: 02/13/2019 11:23:10      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |           |          |
|-------------------|----------|-----------|----------|
| A0 (Offset):      | 0.001785 | Re-Slope: | 1.000000 |
| A1 (Gain):        | 0.339571 | Y-int:    | 0.000000 |
| A2 (Curvature):   | 0.000000 |           |          |
| n (Exponent):     | 1.000000 |           |          |
| Correlation:      | 0.999468 | Status:   | OK.      |
| Std Error of Est: | 0.000588 |           |          |
| Predicted MDL:    | 0.002618 |           |          |
| Predicted MQL:    | 0.008728 |           |          |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00178 | .001    | 1        |
| S1        | .10000       | .11312      | .013       | 13.1    | .04019 | .001    | 1        |
| S2        | 1.2500       | 1.3379      | .088       | 7.03    | .45594 | .003    | 1        |
| S3        | 2.5000       | 2.6274      | .127       | 5.10    | .89370 | .005    | 1        |
| S4        | 5.0000       | 5.0087      | .009       | .173    | 1.7020 | .003    | 1        |
| S5        | 10.000       | 9.7629      | -.237      | -2.37   | 3.3158 | .047    | 1        |

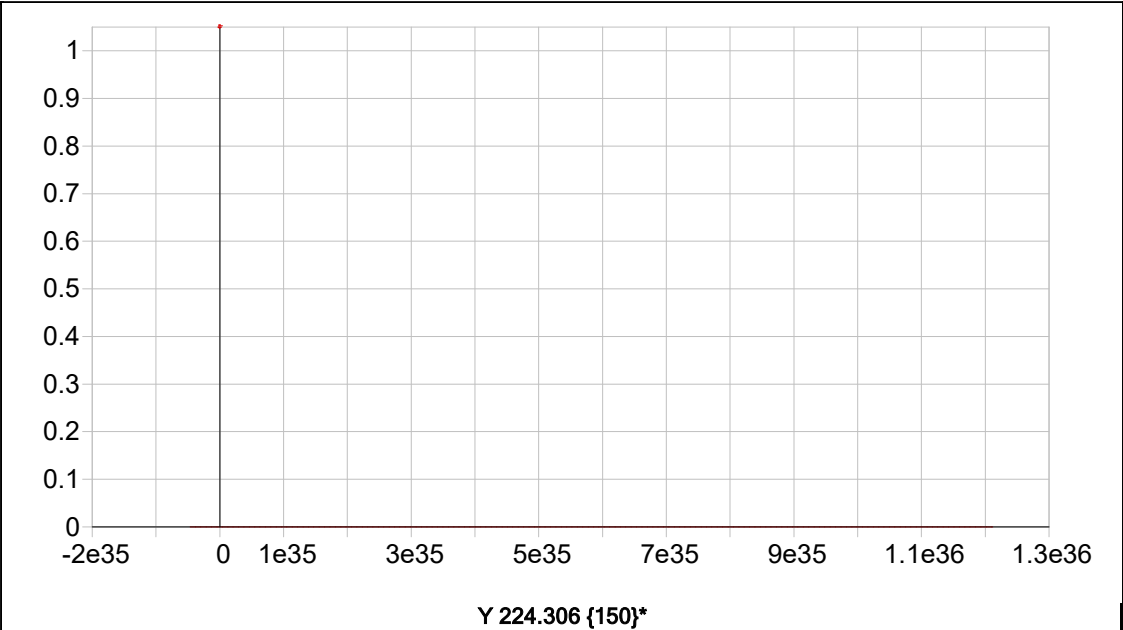


Li 670.784 { 50}

Date of Fit: 02/13/2019 11:23:10 Type of Fit: Linear Weighting: 1/Conc

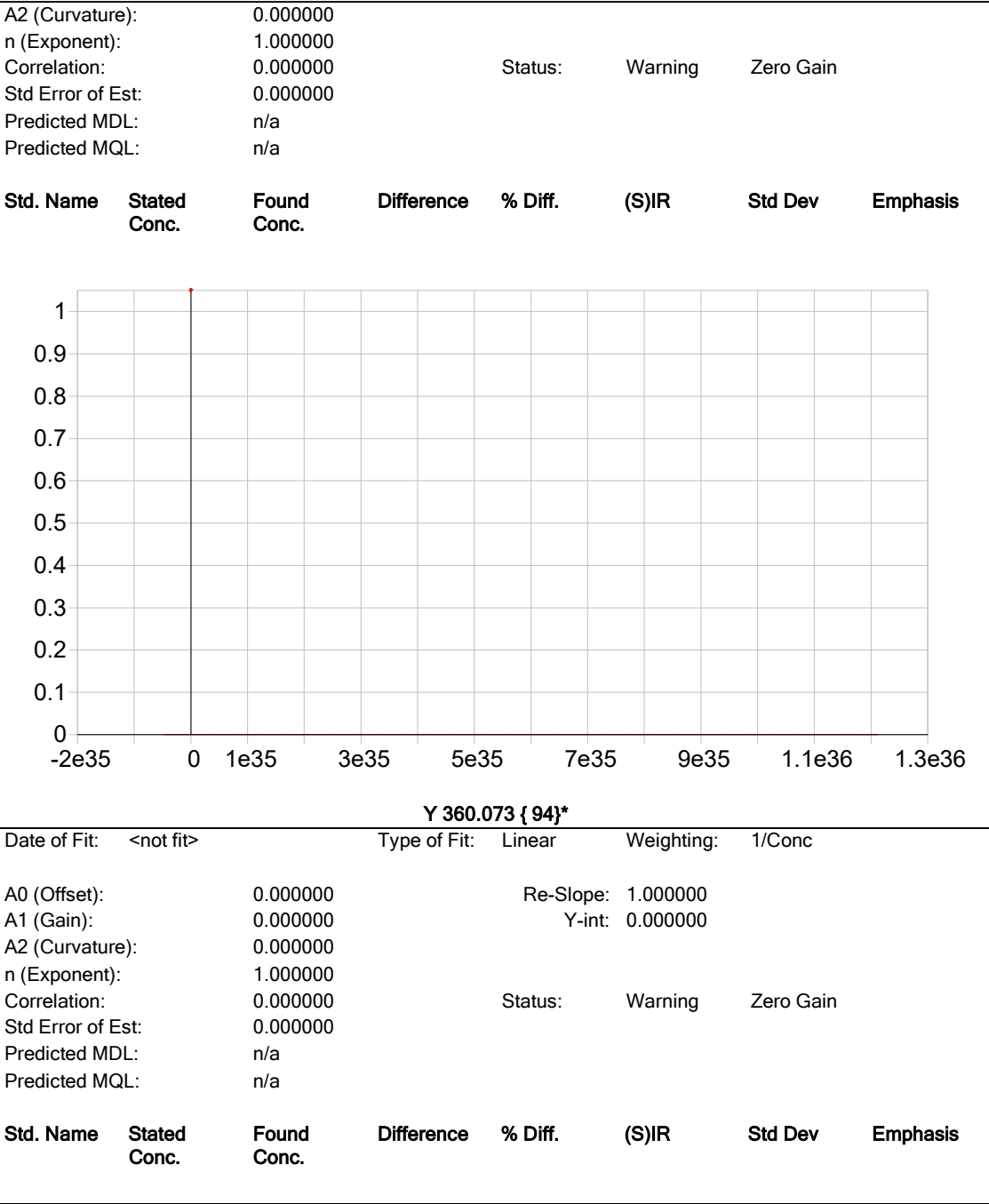
A0 (Offset): 0.010811 Re-Slope: 1.000000  
 A1 (Gain): 1.605740 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997537 Status: OK.  
 Std Error of Est: 0.002319  
 Predicted MDL: 0.002204  
 Predicted MQL: 0.007348

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | .01075 | .001    | 1        |
| S5        | 10.000       | 9.9510      | -.049      | -.490   | 15.989 | .189    | 1        |
| S4        | 5.0000       | 4.9602      | -.040      | -.796   | 7.9756 | .016    | 1        |
| S3        | 2.5000       | 2.5309      | .031       | 1.23    | 4.0747 | .008    | 1        |
| S2        | 1.2500       | 1.2709      | .021       | 1.68    | 2.0516 | .007    | 1        |
| S1        | .01500       | .05202      | .037       | 247.    | .09435 | .004    | 1        |

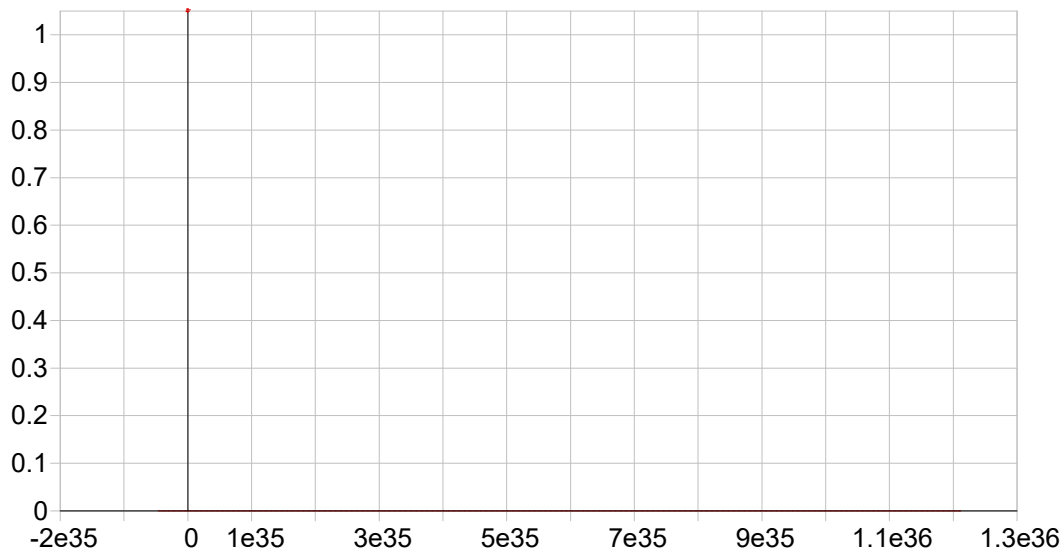


|                   |           |              |          |            |        |
|-------------------|-----------|--------------|----------|------------|--------|
| Date of Fit:      | <not fit> | Type of Fit: | Linear   | Weighting: | 1/Conc |
| A0 (Offset):      | 0.000000  | Re-Slope:    | 1.000000 |            |        |
| A1 (Gain):        | 0.000000  | Y-int:       | 0.000000 |            |        |
| A2 (Curvature):   | 0.000000  |              |          |            |        |
| n (Exponent):     | 1.000000  |              |          |            |        |
| Correlation:      | 0.000000  | Status:      | Warning  | Zero Gain  |        |
| Std Error of Est: | 0.000000  |              |          |            |        |
| Predicted MDL:    | n/a       |              |          |            |        |
| Predicted MQL:    | n/a       |              |          |            |        |

| Std. Name        | Stated Conc. | Found Conc.  | Difference | % Diff.    | (S)IR  | Std Dev | Emphasis |
|------------------|--------------|--------------|------------|------------|--------|---------|----------|
|                  |              |              |            |            |        |         |          |
| Y 224.306 {450}* |              |              |            |            |        |         |          |
| Date of Fit:     | <not fit>    | Type of Fit: | Linear     | Weighting: | 1/Conc |         |          |
| A0 (Offset):     | 0.000000     | Re-Slope:    | 1.000000   |            |        |         |          |
| A1 (Gain):       | 0.000000     | Y-int:       | 0.000000   |            |        |         |          |

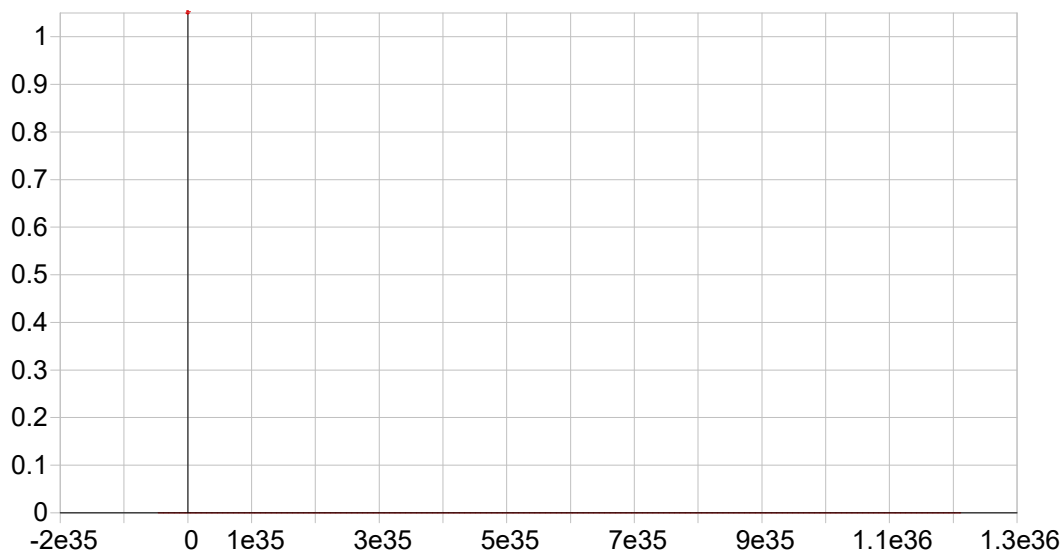






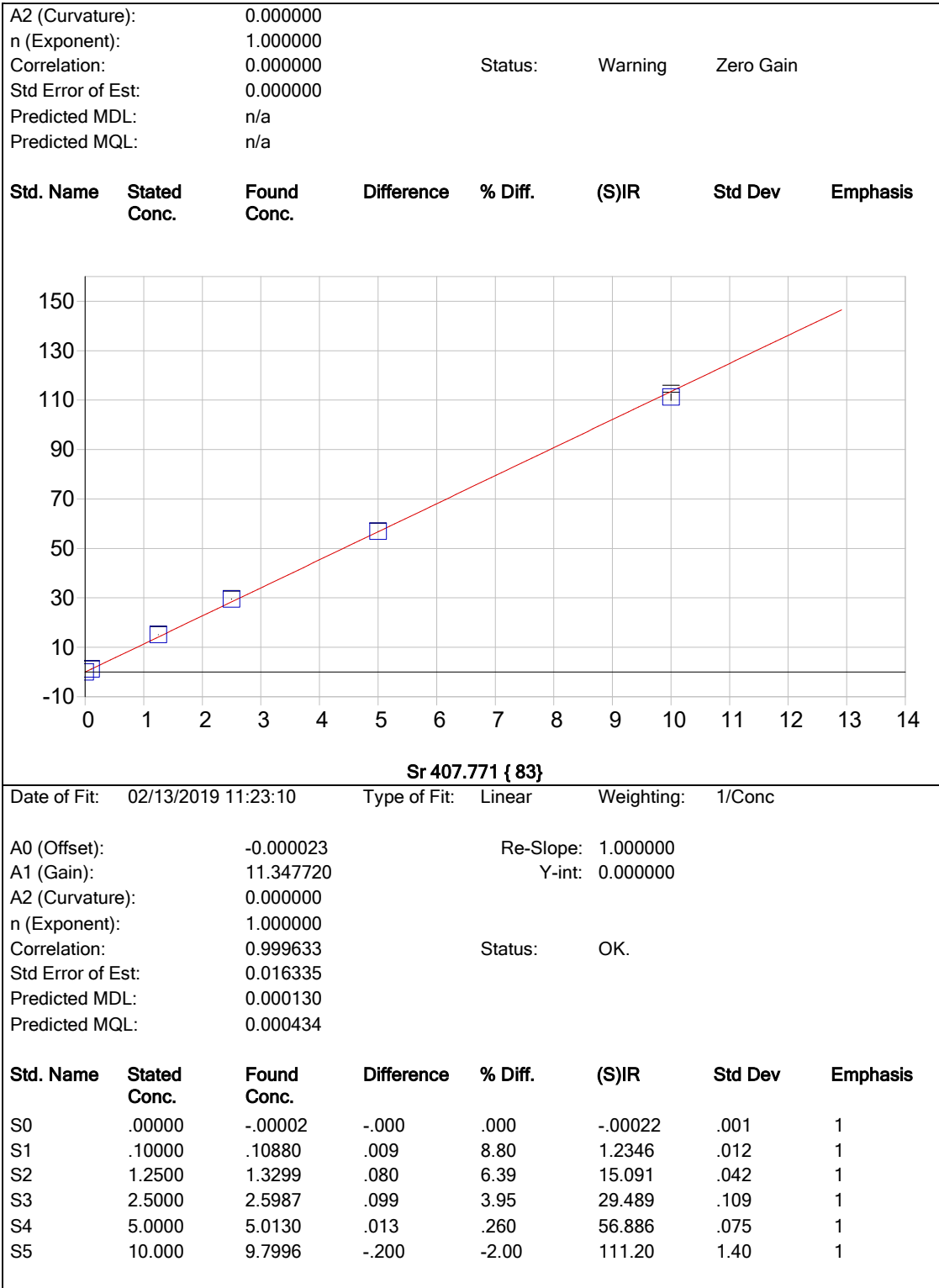
Y 371.030 { 91}\*

| Date of Fit:      | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc    |
|-------------------|-----------|--------------|-----------|------------|-----------|
| A0 (Offset):      | 0.000000  |              | Re-Slope: | 1.000000   |           |
| A1 (Gain):        | 0.000000  |              | Y-int:    | 0.000000   |           |
| A2 (Curvature):   | 0.000000  |              |           |            |           |
| n (Exponent):     | 1.000000  |              |           |            |           |
| Correlation:      | 0.000000  |              | Status:   | Warning    | Zero Gain |
| Std Error of Est: | 0.000000  |              |           |            |           |
| Predicted MDL:    | n/a       |              |           |            |           |
| Predicted MQL:    | n/a       |              |           |            |           |



In 230.606 {446}\*

| Date of Fit: | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc |
|--------------|-----------|--------------|-----------|------------|--------|
| A0 (Offset): | 0.000000  |              | Re-Slope: | 1.000000   |        |
| A1 (Gain):   | 0.000000  |              | Y-int:    | 0.000000   |        |



Sample Name: S0      Acquired: 02/13/2019 10:59:45      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | -.00024 | -.00056 | -.00032 | .00045 | .00021 | .00598 | .02431 | -.00345 |
| Stddev | .00018  | .00018  | .00024  | .00002 | .00006 | .00077 | .00291 | .00051  |
| %RSD   | 74.202  | 32.714  | 73.195  | 5.1816 | 30.280 | 12.823 | 11.964 | 14.717  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00043 | -.00075 | -.00060 | .00046 | .00014 | .00683 | .02331 | -.00397 |
| #2 | -.00022 | -.00040 | -.00015 | .00042 | .00026 | .00534 | .02204 | -.00295 |
| #3 | -.00008 | -.00052 | -.00023 | .00046 | .00022 | .00576 | .02759 | -.00343 |

|        |         |        |        |        |        |        |         |         |
|--------|---------|--------|--------|--------|--------|--------|---------|---------|
| 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    | -.00046 | .00492 | .00008 | .00039 | .00159 | .00019 | -.00027 | -.00032 |
| Stddev | .00011  | .00122 | .00005 | .00024 | .00016 | .00012 | .00038  | .00016  |
| %RSD   | 23.236  | 24.852 | 67.556 | 62.921 | 10.323 | 59.935 | 141.69  | 49.317  |

|    |         |        |        |        |        |        |         |         |
|----|---------|--------|--------|--------|--------|--------|---------|---------|
| #1 | -.00037 | .00613 | .00010 | .00011 | .00141 | .00033 | -.00021 | -.00033 |
| #2 | -.00044 | .00494 | .00002 | .00053 | .00160 | .00013 | .00008  | -.00047 |
| #3 | -.00058 | .00368 | .00011 | .00053 | .00174 | .00013 | -.00068 | -.00016 |

|        |         |         |        |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|--------|---------|--------|
| 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    | -.00155 | -.00187 | .00364 | .00011 | .00000 | .03400 | -.00086 | .00625 |
| Stddev | .00025  | .00014  | .00341 | .00025 | .00038 | .00165 | .00003  | .00049 |
| %RSD   | 15.838  | 7.4229  | 93.750 | 235.58 | 21844. | 4.8549 | 3.0340  | 7.8457 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00167 | -.00193 | .00664  | .00022  | .00015  | .03229 | -.00088 | .00586 |
| #2 | -.00127 | -.00198 | .00434  | .00029  | -.00043 | .03558 | -.00083 | .00608 |
| #3 | -.00172 | -.00172 | -.00007 | -.00018 | .00029  | .03412 | -.00085 | .00680 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00070 | .00054 | .01160 | .00031 | .00178 | .01075 | -.00022 |  |
| Stddev | .00012 | .00004 | .00042 | .00012 | .00070 | .00055 | .00126  |  |
| %RSD   | 17.451 | 6.8330 | 3.6611 | 37.995 | 39.644 | 5.1225 | 570.77  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00059 | .00051 | .01167 | .00023 | .00110 | .01017 | .00078  |  |
| #2 | .00069 | .00055 | .01114 | .00045 | .00250 | .01127 | -.00163 |  |
| #3 | .00083 | .00058 | .01198 | .00026 | .00173 | .01081 | .00020  |  |

Sample Name: S0      Acquired: 02/13/2019 10:59:45      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 1288.0 | 2581.9 | 26630. | 3222.2 | 3104.2 |
| Stddev    | 6.1    | 9.6    | 76.    | 59.2   | 7.0    |
| %RSD      | .47572 | .37226 | .28358 | 1.8361 | .22667 |
| #1        | 1294.4 | 2571.9 | 26711. | 3187.9 | 3099.9 |
| #2        | 1282.2 | 2591.0 | 26562. | 3290.5 | 3112.3 |
| #3        | 1287.5 | 2582.9 | 26618. | 3188.2 | 3100.4 |

Sample Name: K1337-10      Acquired: 02/13/2019 11:55:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1111519 | .0005142 | 2.399419 | .0095115 | -.009603 | 13.59323 |
| Stddev | .0039970 | .0024522 | .007418  | .0017117 | .005106  | .00442   |
| %RSD   | 3.595954 | 476.8832 | .3091510 | 17.99650 | 53.17013 | .0325277 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1100228 | .0001721 | 2.396782 | .0101091 | -.005287 | 13.58840 |
| #2 | .1078409 | .0031195 | 2.393680 | .0108443 | -.008282 | 13.59709 |
| #3 | .1155919 | -.001749 | 2.407795 | .0075810 | -.015239 | 13.59420 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2945417 | .0032792 | 4.410628 | 75.46555 | .0620963 | .0345668 |
| Stddev | .0015040 | .0000563 | .022499  | .19803   | .0003291 | .0003083 |
| %RSD   | .5106222 | 1.717084 | .5101164 | .2624096 | .5300212 | .8919425 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2944372 | .0032904 | 4.396712 | 75.29252 | .0624501 | .0342215 |
| #2 | .2930926 | .0032182 | 4.398587 | 75.42259 | .0620397 | .0346644 |
| #3 | .2960951 | .0033291 | 4.436586 | 75.68153 | .0617991 | .0348146 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.942229 | 131.9923 | 1.412477 | 39.74783 | .0886332 | -.007000 |
| Stddev | .013526  | .3032    | .008450  | .21187   | .0005215 | .000493  |
| %RSD   | .6964333 | .2297177 | .5982596 | .5330421 | .5883818 | 7.039320 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.956853 | 132.3266 | 1.416672 | 39.95703 | .0886240 | -.007280 |
| #2 | 1.930167 | 131.7350 | 1.418009 | 39.53338 | .0881163 | -.007288 |
| #3 | 1.939666 | 131.9152 | 1.402750 | 39.75309 | .0891592 | -.006431 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.049793 | .1211281 | F 394.6366 | .8065699 | 2.076557 | .1769821 |
| Stddev | .116100  | .0055126 | 2.0943     | .0347221 | .016884  | .0016012 |
| %RSD   | 233.1674 | 4.551074 | .5306823   | 4.304909 | .8130972 | .9047106 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.181427 | .1249714 | 394.8729 | .7670201 | 2.064893 | .1787478 |
| #2 | .038014  | .1148120 | 392.4342 | .8320443 | 2.068859 | .1765740 |
| #3 | -.005965 | .1236008 | 396.6027 | .8206453 | 2.095918 | .1756245 |

Sample Name: K1337-10      Acquired: 02/13/2019 11:55:28      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0057012 | 176.1166 | 3.362321 | .0059884 | .1011604 | .0070923 |
| Stddev | .0001951 | .8144    | .006912  | .0019342 | .0015331 | .0001895 |
| %RSD   | 3.422821 | .4624493 | .2055776 | 32.29914 | 1.515463 | 2.671126 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0055083 | 175.5867 | 3.361629 | .0081900 | .1023200 | .0071064 |
| #2 | .0058985 | 175.7086 | 3.369554 | .0045623 | .1017390 | .0068963 |
| #3 | .0056966 | 177.0544 | 3.355782 | .0052128 | .0994223 | .0072744 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0340006 |
| Stddev | .0001457 |
| %RSD   | .4285714 |

|    |          |
|----|----------|
| #1 | .0340978 |
| #2 | .0340710 |
| #3 | .0338331 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1417.939 | 2643.440 | 30152.14 | 3865.549 | 2873.871 |
| Stddev    | 6.378    | 11.070   | 160.64   | 3.664    | 14.765   |
| %RSD      | .4498150 | .4187693 | .5327534 | .0947893 | .5137657 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1422.576 | 2654.565 | 30325.38 | 3861.429 | 2879.073 |
| #2 | 1420.575 | 2643.329 | 30122.92 | 3866.775 | 2885.331 |
| #3 | 1410.665 | 2632.426 | 30008.12 | 3868.443 | 2857.209 |

Sample Name: S1      Acquired: 02/13/2019 11:03:52      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .00028 | .00113 | .00222 | .00349 | .00928 | .02183 | .75993 | .06704 |
| Stddev | .00022 | .00007 | .00030 | .00015 | .00012 | .00019 | .00802 | .00147 |
| %RSD   | 78.250 | 6.4769 | 13.522 | 4.2201 | 1.3451 | .87417 | 1.0549 | 2.1914 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00003 | .00105 | .00250 | .00332 | .00939 | .02203 | .76687 | .06787 |
| #2 | .00043 | .00119 | .00224 | .00356 | .00914 | .02164 | .75116 | .06534 |
| #3 | .00038 | .00115 | .00190 | .00359 | .00931 | .02183 | .76178 | .06791 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01844 | .31485 | .00232 | .05313 | .00437 | .00152 | .00289 | .02866 |
| Stddev | .00008 | .00429 | .00017 | .00031 | .00041 | .00024 | .00030 | .00010 |
| %RSD   | .44096 | 1.3620 | 7.3078 | .58926 | 9.3410 | 15.698 | 10.351 | .35621 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01834 | .31419 | .00234 | .05302 | .00439 | .00168 | .00255 | .02876 |
| #2 | .01848 | .31094 | .00249 | .05289 | .00396 | .00163 | .00300 | .02855 |
| #3 | .01849 | .31944 | .00215 | .05348 | .00477 | .00124 | .00312 | .02868 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .02342 | .00350 | .05202 | .00270 | .00294 | .17428 | -.00057 | .01374 |
| Stddev | .00009 | .00014 | .00317 | .00027 | .00048 | .00388 | .00007  | .00075 |
| %RSD   | .38674 | 4.1335 | 6.0850 | 10.140 | 16.223 | 2.2255 | 12.723  | 5.4430 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02342 | .00334 | .05559 | .00287 | .00349 | .17712 | -.00051 | .01422 |
| #2 | .02333 | .00363 | .05090 | .00239 | .00270 | .16986 | -.00056 | .01411 |
| #3 | .02351 | .00352 | .04956 | .00285 | .00263 | .17585 | -.00065 | .01288 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .01048 | .00365 | .08189 | .00102 | .04019 | .09435 | 1.2346 |  |
| Stddev | .00040 | .00013 | .00125 | .00009 | .00091 | .00403 | .0125  |  |
| %RSD   | 3.8151 | 3.5700 | 1.5273 | 8.9461 | 2.2722 | 4.2759 | 1.0104 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .01040 | .00353 | .08284 | .00112 | .04085 | .08969 | 1.2420 |  |
| #2 | .01013 | .00363 | .08048 | .00095 | .04056 | .09649 | 1.2202 |  |
| #3 | .01092 | .00379 | .08236 | .00100 | .03915 | .09686 | 1.2416 |  |

Sample Name: S1      Acquired: 02/13/2019 11:03:52      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 1295.6 | 2536.8 | 26690. | 3204.4 | 3078.8 |
| Stddev    | 5.8    | 9.9    | 101.   | 37.3   | 10.0   |
| %RSD      | .45076 | .39070 | .37667 | 1.1633 | .32525 |
| #1        | 1302.0 | 2544.2 | 26769. | 3173.4 | 3082.5 |
| #2        | 1290.5 | 2540.7 | 26725. | 3245.8 | 3086.4 |
| #3        | 1294.3 | 2525.6 | 26577. | 3194.2 | 3067.4 |



Sample Name: K1339-16      Acquired: 02/13/2019 13:40:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0811466 | -.001989 | .3212085 | .0100301 | .0091364 | 72.68138 | 1.164829 |
| Stddev | .0031088 | .001992  | .0019960 | .0024991 | .0002871 | .19158   | .003031  |
| %RSD   | 3.831119 | 100.1755 | .6214096 | 24.91610 | 3.141981 | .2635874 | .2602171 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0777270 | .000207  | .3208344 | .0071581 | .0088498 | 72.46403 | 1.168296 |
| #2 | .0819104 | -.002493 | .3194260 | .0117098 | .0094239 | 72.75439 | 1.163513 |
| #3 | .0838023 | -.003681 | .3233651 | .0112223 | .0091356 | 72.82572 | 1.162678 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097485 | .0881685 | 17.28339 | .2632193 | .2273947 | .0592085 | 241.3415 |
| Stddev | .0000633 | .0002147 | .01639   | .0016128 | .0000722 | .0027531 | 2.7870   |
| %RSD   | .6489611 | .2435104 | .0948245 | .6127281 | .0317469 | 4.649859 | 1.154811 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0096939 | .0880263 | 17.30213 | .2639523 | .2273662 | .0610386 | 238.1506 |
| #2 | .0097336 | .0880637 | 17.27626 | .2613701 | .2273411 | .0560423 | 243.2994 |
| #3 | .0098178 | .0884155 | 17.27176 | .2643354 | .2274768 | .0605446 | 242.5745 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.518854 | 5.543704 | .0865936 | -.012654 | -.542116 | .3891134 | 9.780447 |
| Stddev | .069060  | .037524  | .0006844 | .000487  | .178102  | .0099108 | .068986  |
| %RSD   | 1.059383 | .6768722 | .7904035 | 3.848486 | 32.85316 | 2.547023 | .7053485 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.439112 | 5.525185 | .0859466 | -.013213 | -.395627 | .3778445 | 9.713105 |
| #2 | 6.558563 | 5.586887 | .0873102 | -.012328 | -.740365 | .3930208 | 9.777268 |
| #3 | 6.558889 | 5.519040 | .0865242 | -.012419 | -.490355 | .3964750 | 9.850968 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.432970 | 2.182796 | .3011673 | .0062405 | 2.632861 | 2.784078 | .0053986 |
| Stddev | .093370  | .004168  | .0051925 | .0000667 | .006505  | .007697  | .0017116 |
| %RSD   | 2.719808 | .1909670 | 1.724114 | 1.068789 | .2470561 | .2764765 | 31.70384 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.536431 | 2.178137 | .2968224 | .0063114 | 2.639593 | 2.786731 | .0035662 |
| #2 | 3.354975 | 2.186172 | .3069179 | .0062312 | 2.626610 | 2.775405 | .0056734 |
| #3 | 3.407503 | 2.184079 | .2997614 | .0061789 | 2.632381 | 2.790098 | .0069560 |

Sample Name: K1339-16      Acquired: 02/13/2019 13:40:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2665666 | .0252206 | .0611464 |
| Stddev | .0028802 | .0013426 | .0001033 |
| %RSD   | 1.080476 | 5.323643 | .1689422 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2632653 | .0238891 | .0612655 |
| #2 | .2678692 | .0251985 | .0610938 |
| #3 | .2685655 | .0265742 | .0610800 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1375.427 | 2546.026 | 29222.02 | 3785.205 | 2937.523 |
| Stddev    | 9.702    | 6.204    | 68.39    | 28.023   | 1.820    |
| %RSD      | .7054120 | .2436894 | .2340383 | .7403313 | .0619691 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1369.798 | 2547.731 | 29246.36 | 3762.338 | 2935.478 |
| #2 | 1386.630 | 2551.200 | 29274.91 | 3816.465 | 2938.967 |
| #3 | 1369.852 | 2539.147 | 29144.79 | 3776.811 | 2938.124 |

Sample Name: S2      Acquired: 02/13/2019 11:07:59      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .06338 | .08680 | 1.6238 | .10918 | .18402 | 2.8502 | 8.7385 | 1.7390 |
| Stddev | .00103 | .00028 | .0042  | .00088 | .00091 | .0154  | .0444  | .0091  |
| %RSD   | 1.6217 | .32547 | .25819 | .80229 | .49344 | .54082 | .50848 | .52140 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .06366 | .08651 | 1.6223 | .10872 | .18329 | 2.8334 | 8.7583 | 1.7466 |
| #2 | .06224 | .08708 | 1.6206 | .10863 | .18373 | 2.8637 | 8.7695 | 1.7414 |
| #3 | .06423 | .08681 | 1.6286 | .11019 | .18503 | 2.8534 | 8.6876 | 1.7290 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.2752 | 3.6149 | .81899 | .65017 | .45591 | .50137 | .76405 | .35467 |
| Stddev | .0097  | .0161  | .00096 | .00112 | .00218 | .00614 | .00915 | .00639 |
| %RSD   | .42532 | .44616 | .11772 | .17191 | .47911 | 1.2256 | 1.1975 | 1.8018 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.2671 | 3.6243 | .81879 | .64948 | .45611 | .49513 | .75353 | .34737 |
| #2 | 2.2724 | 3.6241 | .82003 | .64957 | .45798 | .50155 | .77008 | .35741 |
| #3 | 2.2859 | 3.5963 | .81814 | .65146 | .45363 | .50741 | .76855 | .35924 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .37019 | .15604 | .37862 | .03212 | .18466 | 1.1113 | .07408 | 1.1408 |
| Stddev | .00057 | .00067 | .00428 | .00006 | .00216 | .0011  | .00042 | .0047  |
| %RSD   | .15346 | .42712 | 1.1312 | .20178 | 1.1705 | .09642 | .56258 | .40806 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .37082 | .15577 | .37370 | .03218 | .18302 | 1.1126 | .07366 | 1.1424 |
| #2 | .36972 | .15679 | .38155 | .03205 | .18385 | 1.1107 | .07409 | 1.1444 |
| #3 | .37002 | .15554 | .38061 | .03212 | .18711 | 1.1107 | .07450 | 1.1355 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.1786 | .07280 | .93216 | .13510 | .45594 | 2.0516 | 15.091 |
| Stddev | .0066  | .00032 | .00201 | .00072 | .00273 | .0068  | .042   |
| %RSD   | .56082 | .43506 | .21522 | .53387 | .59858 | .33042 | .27725 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1742 | .07244 | .92997 | .13451 | .45327 | 2.0487 | 15.114 |
| #2 | 1.1753 | .07295 | .93261 | .13488 | .45872 | 2.0594 | 15.117 |
| #3 | 1.1862 | .07302 | .93391 | .13591 | .45583 | 2.0468 | 15.043 |

Sample Name: S2      Acquired: 02/13/2019 11:07:59      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN H      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       | 1221.6 | 2381.1 | 25949. | 3194.0 | 2863.6 |
| Stddev    | 10.8   | 8.9    | 111.   | 6.4    | 1.7    |
| %RSD      | .88580 | .37264 | .42858 | .20077 | .05971 |
| #1        | 1226.2 | 2385.3 | 25964. | 3200.0 | 2865.1 |
| #2        | 1229.4 | 2387.1 | 26051. | 3187.3 | 2861.7 |
| #3        | 1209.3 | 2370.9 | 25830. | 3194.7 | 2864.1 |

Sample Name: S4      Acquired: 02/13/2019 11:15:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .24860 | .32473 | 6.2847 | .40868 | .70770 | 11.054 | 33.298 | 6.6495 |
| Stddev | .00088 | .00060 | .0151  | .00137 | .00091 | .024   | .076   | .0717  |
| %RSD   | .35264 | .18403 | .23992 | .33521 | .12909 | .21584 | .22822 | 1.0776 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24961 | .32406 | 6.2698 | .40914 | .70861 | 11.078 | 33.348 | 6.5742 |
| #2 | .24800 | .32522 | 6.2845 | .40714 | .70771 | 11.052 | 33.336 | 6.7168 |
| #3 | .24819 | .32490 | 6.2999 | .40976 | .70678 | 11.031 | 33.211 | 6.6573 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 8.6256 | 13.435 | 2.9952 | 2.5016 | 1.7035 | 1.8876 | 2.8802 | 1.3763 |
| Stddev | .0280  | .025   | .0332  | .0037  | .0023  | .0108  | .0129  | .0046  |
| %RSD   | .32511 | .18632 | 1.1089 | .14773 | .13371 | .57122 | .44850 | .33651 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.6051 | 13.441 | 3.0049 | 2.4991 | 1.7054 | 1.8999 | 2.8951 | 1.3794 |
| #2 | 8.6142 | 13.456 | 3.0224 | 2.4998 | 1.7040 | 1.8799 | 2.8723 | 1.3710 |
| #3 | 8.6576 | 13.408 | 2.9582 | 2.5058 | 1.7010 | 1.8829 | 2.8731 | 1.3786 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.4083 | .60791 | 1.4593 | .12318 | .73843 | 4.1791 | .18062 | 4.4712 |
| Stddev | .0030  | .00509 | .0050  | .00129 | .01242 | .0035  | .00075 | .0516  |
| %RSD   | .21184 | .83650 | .34447 | 1.0469 | 1.6815 | .08304 | .41712 | 1.1538 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4051 | .61095 | 1.4558 | .12463 | .75173 | 4.1761 | .17976 | 4.4222 |
| #2 | 1.4087 | .61073 | 1.4570 | .12216 | .73641 | 4.1829 | .18096 | 4.5250 |
| #3 | 1.4110 | .60204 | 1.4651 | .12274 | .72714 | 4.1783 | .18115 | 4.4664 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 4.5467 | .17632 | 3.4315 | .52013 | 1.7020 | 7.9756 | 56.886 |
| Stddev | .0021  | .00039 | .0399  | .00059 | .0028  | .0156  | .075   |
| %RSD   | .04529 | .21952 | 1.1617 | .11405 | .16549 | .19513 | .13164 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5484 | .17671 | 3.3937 | .52017 | 1.7010 | 7.9924 | 56.905 |
| #2 | 4.5444 | .17594 | 3.4731 | .51952 | 1.7052 | 7.9727 | 56.950 |
| #3 | 4.5473 | .17632 | 3.4278 | .52071 | 1.6998 | 7.9617 | 56.804 |

Sample Name: S4      Acquired: 02/13/2019 11:15:41      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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       | 1107.7 | 2159.7 | 25238. | 3112.3 | 2571.9 |
| Stddev    | 12.6   | 2.9    | 298.   | 16.5   | 4.6    |
| %RSD      | 1.1388 | .13480 | 1.1824 | .52981 | .17790 |
| #1        | 1097.1 | 2158.2 | 24957. | 3130.7 | 2577.1 |
| #2        | 1104.4 | 2157.8 | 25205. | 3098.9 | 2568.6 |
| #3        | 1121.7 | 2163.0 | 25551. | 3107.2 | 2569.9 |

Sample Name: K1342-17DLX10      Acquired: 02/13/2019 18:47:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG19      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002606 | -.002154 | .5499468 | .0006450 | .0000943 | .4967934 | .0002696 |
| Stddev | .002196  | .001617  | .0020388 | .0012092 | .0011456 | .0103599 | .0005561 |
| %RSD   | 84.27264 | 75.09423 | .3707342 | 187.4920 | 1214.446 | 2.085356 | 206.2551 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003485 | -.000746 | .5488115 | .0006127 | -.001126 | .5009493 | .0002483 |
| #2 | -.004227 | -.001795 | .5487283 | -.000548 | .001146  | .5044301 | .0008361 |
| #3 | -.000107 | -.003920 | .5523006 | .001870  | .000263  | .4850008 | -.000275 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000857 | .0218489 | .9492685 | .0027420 | .0006593 | .0787570 | 5.855813 |
| Stddev | .0000494 | .0001240 | .0428919 | .0006041 | .0000537 | .0029216 | .084208  |
| %RSD   | 57.60466 | .5674176 | 4.518417 | 22.03035 | 8.137681 | 3.709615 | 1.438032 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000309 | .0217104 | .9144315 | .0030906 | .0007208 | .0820231 | 5.802103 |
| #2 | .0001267 | .0219495 | .9971748 | .0020445 | .0006358 | .0778554 | 5.952864 |
| #3 | .0000995 | .0218868 | .9361992 | .0030908 | .0006215 | .0763925 | 5.812471 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0221404 | .4464514 | .0063651 | .0005670 | -.591142 | .0001350 | 9.261348 |
| Stddev | .0006919 | .0150429 | .0005921 | .0002939 | .369198  | .0047378 | .090778  |
| %RSD   | 3.125142 | 3.369435 | 9.302971 | 51.82502 | 62.45501 | 3509.509 | .9801796 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0218771 | .4520239 | .0070367 | .0008179 | -.268113 | -.001377 | 9.238833 |
| #2 | .0216188 | .4294173 | .0061405 | .0002437 | -.993585 | .005444  | 9.183947 |
| #3 | .0229254 | .4579129 | .0059181 | .0006395 | -.511728 | -.003662 | 9.361265 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.150685 | .1417215 | .0006677 | .0005025 | 2.302269 | .8345972 | -.001042 |
| Stddev | .045175  | .0034549 | .0005217 | .0001613 | .017563  | .0121911 | .000612  |
| %RSD   | 29.97982 | 2.437785 | 78.13011 | 32.10508 | .7628415 | 1.460719 | 58.72181 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.127284 | .1377358 | .0007560 | .0006443 | 2.282205 | .8352670 | -.000981 |
| #2 | -.202760 | .1435655 | .0011395 | .0003270 | 2.309749 | .8464396 | -.000463 |
| #3 | -.122011 | .1438630 | .0001075 | .0005363 | 2.314854 | .8220850 | -.001682 |

Sample Name: K1342-17DLX10      Acquired: 02/13/2019 18:47:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG19      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0034509 | -.001571 | .0010313 |
| Stddev | .0006924 | .000539  | .0000689 |
| %RSD   | 20.06548 | 34.29272 | 6.682032 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0040342 | -.001620 | .0010740 |
| #2 | .0036328 | -.001009 | .0009518 |
| #3 | .0026857 | -.002084 | .0010680 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1230.170 | 2206.306 | 25968.92 | 3370.808 | 2964.466 |
| Stddev    | 5.360    | 13.670   | 75.85    | 34.079   | 14.217   |
| %RSD      | .4356962 | .6195831 | .2920935 | 1.011006 | .4795822 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1235.110 | 2220.738 | 25926.38 | 3368.350 | 2976.681 |
| #2 | 1230.930 | 2204.627 | 26056.50 | 3338.025 | 2967.858 |
| #3 | 1224.471 | 2193.554 | 25923.89 | 3406.050 | 2948.860 |



Sample Name: S5      Acquired: 02/13/2019 11:19:28      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
User: BIN H      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    | .51791 | .62910 | 12.598 | .81996 | 1.4788 | 22.026 | 65.750 | 12.845 |
| Stddev | .00206 | .00195 | .029   | .00298 | .0040  | .290   | .720   | .213   |
| %RSD   | .39679 | .31006 | .23038 | .36304 | .27148 | 1.3166 | 1.0951 | 1.6560 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51925 | .63085 | 12.603 | .82167 | 1.4809 | 22.206 | 66.212 | 12.997 |
| #2 | .51554 | .62700 | 12.567 | .81652 | 1.4742 | 22.181 | 66.118 | 12.937 |
| #3 | .51894 | .62947 | 12.624 | .82168 | 1.4814 | 21.692 | 64.920 | 12.602 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 17.075 | 26.264 | 5.8340 | 4.9933 | 3.3289 | 3.6164 | 5.4732 | 2.7091 |
| Stddev | .041   | .250   | .0117  | .0102  | .0471  | .0655  | .0799  | .0475  |
| %RSD   | .24069 | .95069 | .19988 | .20504 | 1.4163 | 1.8113 | 1.4605 | 1.7533 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.074 | 26.446 | 5.8356 | 4.9972 | 3.3613 | 3.6531 | 5.5224 | 2.7360 |
| #2 | 17.034 | 26.365 | 5.8448 | 4.9816 | 3.3507 | 3.6552 | 5.5161 | 2.7371 |
| #3 | 17.116 | 25.979 | 5.8216 | 5.0009 | 3.2748 | 3.5407 | 5.3809 | 2.6543 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.7844 | 1.2368 | 2.8676 | .23831 | 1.5854 | 8.3032 | .37262 | 8.7359 |
| Stddev | .0059  | .0092  | .0442  | .00313 | .0119  | .1024  | .00151 | .1652  |
| %RSD   | .21251 | .74396 | 1.5417 | 1.3152 | .75017 | 1.2338 | .40425 | 1.8906 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.7886 | 1.2343 | 2.8960 | .24034 | 1.5977 | 8.3822 | .37207 | 8.8305 |
| #2 | 2.7777 | 1.2290 | 2.8900 | .23989 | 1.5740 | 8.3399 | .37147 | 8.8319 |
| #3 | 2.7871 | 1.2469 | 2.8166 | .23470 | 1.5844 | 8.1875 | .37432 | 8.5452 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 9.3907 | .36456 | 6.6492 | 1.0410 | 3.3158 | 15.989 | 111.20 |
| Stddev | .0253  | .00181 | .1140  | .0026  | .0469  | .189   | 1.40   |
| %RSD   | .26908 | .49546 | 1.7149 | .25250 | 1.4146 | 1.1834 | 1.2598 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.3984 | .36569 | 6.7150 | 1.0427 | 3.3421 | 16.092 | 112.16 |
| #2 | 9.3625 | .36248 | 6.7151 | 1.0380 | 3.3437 | 16.105 | 111.85 |
| #3 | 9.4112 | .36551 | 6.5175 | 1.0423 | 3.2617 | 15.771 | 109.60 |

Sample Name: S5      Acquired: 02/13/2019 11:19:28      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN H      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       | 989.66 | 1957.4 | 24481. | 3102.6 | 2374.5 |
| Stddev    | 12.66  | 5.4    | 90.    | 42.1   | 6.1    |
| %RSD      | 1.2794 | .27499 | .36582 | 1.3583 | .25619 |
| #1        | 978.66 | 1954.1 | 24378. | 3058.6 | 2370.2 |
| #2        | 1003.5 | 1963.6 | 24520. | 3106.5 | 2381.5 |
| #3        | 986.82 | 1954.4 | 24544. | 3142.6 | 2371.9 |

Sample Name: S6      Acquired: 02/13/2019 11:23:15      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN H      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    | 61.859 | 43.621 | 10.243 | 4.7761 | 8.3640 |
| Stddev | .227   | .085   | .075   | .0366  | .0699  |
| %RSD   | .36717 | .19442 | .73212 | .76649 | .83557 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 62.085 | 43.594 | 10.330 | 4.8164 | 8.4247 |
| #2 | 61.863 | 43.553 | 10.198 | 4.7671 | 8.3797 |
| #3 | 61.630 | 43.716 | 10.202 | 4.7449 | 8.2876 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3052.7 |
| Stddev    | 23.7   |
| %RSD      | .77503 |

|    |        |
|----|--------|
| #1 | 3039.5 |
| #2 | 3038.6 |
| #3 | 3080.0 |

Sample Name: ICV      Acquired: 02/13/2019 11:27:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9846766 | 1.092787 | .9621924 | 1.082189 | 1.020103 | 2.375172 |
| Stddev | .0119508 | .006389  | .0056082 | .005174  | .004750  | .028381  |
| %RSD   | 1.213680 | .5846094 | .5828522 | .4781050 | .4656021 | 1.194885 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9812990 | 1.089318 | .9602377 | 1.078052 | 1.017240 | 2.354728 |
| #2 | .9747780 | 1.088883 | .9578232 | 1.080525 | 1.017483 | 2.407574 |
| #3 | .9979527 | 1.100160 | .9685163 | 1.087990 | 1.025586 | 2.363213 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677     | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | .5108370 | .5046590 | .5204845 | 10.29174 | F .5456516 | .5085435 |
| Stddev | .0024461 | .0034701 | .0019273 | .05369   | .0023142   | .0025781 |
| %RSD   | .4788417 | .6876105 | .3702814 | .5217092 | .4241237   | .5069648 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5080164 | .5021980 | .5194027 | 10.23634 | .5430918 | .5081085 |
| #2 | .5121188 | .5086279 | .5193412 | 10.29533 | .5475957 | .5062106 |
| #3 | .5123758 | .5031509 | .5227097 | 10.34355 | .5462673 | .5113115 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5389939 | 5.557079 | .5322795 | 6.174657 | .5209537 | .4809241 |
| Stddev | .0049075 | .065143  | .0108691 | .069595  | .0034763 | .0010363 |
| %RSD   | .9104858 | 1.172247 | 2.041999 | 1.127106 | .6672930 | .2154786 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5431693 | 5.548937 | .5297903 | 6.095167 | .5181504 | .4798060 |
| #2 | .5335884 | 5.625910 | .5441774 | 6.204181 | .5198671 | .4818523 |
| #3 | .5402239 | 5.496390 | .5228709 | 6.224623 | .5248434 | .4811140 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.470880 | .5358773 | .9766303 | 10.41579 | F .0449988 | F 1.582341 |
| Stddev | .126046  | .0044399 | .0143948 | .02069   | .0021586   | .009761    |
| %RSD   | 1.330877 | .8285321 | 1.473924 | .1986870 | 4.796989   | .6168478   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.527174 | .5318466 | .9894427 | 10.39426 | .0473427 | 1.573202 |
| #2 | 9.558969 | .5406364 | .9793943 | 10.41758 | .0430926 | 1.592623 |
| #3 | 9.326497 | .5351488 | .9610540 | 10.43553 | .0445610 | 1.581199 |

Sample Name: ICV      Acquired: 02/13/2019 11:27:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | F 1.627873 | F .0436725 | F 1.602874 | F 1.586252 | F 1.690109 | F .0600179 |
| Stddev | .005398    | .0010244   | .009592    | .007949    | .014574    | .0009070   |
| %RSD   | .3315863   | 2.345611   | .5984246   | .5011381   | .8623257   | 1.511129   |
|        |            |            |            |            |            |            |
| #1     | 1.623765   | .0447421   | 1.591886   | 1.591060   | 1.686492   | .0608204   |
| #2     | 1.625868   | .0427003   | 1.609570   | 1.577076   | 1.706151   | .0590340   |
| #3     | 1.633987   | .0435750   | 1.607167   | 1.590620   | 1.677684   | .0601994   |

|        |            |
|--------|------------|
| Elem   | Sr4077     |
| Units  | ppm        |
| Avg    | F .0623511 |
| Stddev | .0001227   |
| %RSD   | .1968175   |
|        |            |
| #1     | .0624719   |
| #2     | .0622265   |
| #3     | .0623548   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1248.952 | 2382.587 | 26149.95 | 3245.433 | 2992.610 |
| Stddev    | 5.055    | 7.371    | 42.50    | 23.252   | 12.053   |
| %RSD      | .4047569 | .3093711 | .1625306 | .7164630 | .4027693 |
|           |          |          |          |          |          |
| #1        | 1254.600 | 2387.433 | 26132.49 | 3268.264 | 2999.540 |
| #2        | 1247.407 | 2386.224 | 26198.40 | 3221.781 | 2999.598 |
| #3        | 1244.850 | 2374.104 | 26118.96 | 3246.256 | 2978.692 |

Sample Name: ICB      Acquired: 02/13/2019 11:31:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      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    | -.000807 | -.002089 | .0005586 | .0008377 | .0009167 | -.009576 | -.000700 |
| Stddev | .002563  | .002831  | .0013040 | .0012064 | .0018588 | .010519  | .001198  |
| %RSD   | 317.4608 | 135.5501 | 233.4700 | 144.0043 | 202.7690 | 109.8478 | 171.2153 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .002149  | -.001628 | .0018039 | .0011398 | -.000993 | .002319  | .000626  |
| #2 | -.002406 | .000484  | .0006690 | -.000491 | .002720  | -.017650 | -.001705 |
| #3 | -.002166 | -.005122 | -.000797 | .001864  | .001024  | -.013397 | -.001021 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000015 | .0000304 | -.026673 | -.000260 | .0000786 | .0005654 | .0049503 |
| Stddev | .000057  | .0000634 | .020187  | .000807  | .0002304 | .0028017 | .0453434 |
| %RSD   | 376.6388 | 208.8652 | 75.68507 | 310.6569 | 293.0120 | 495.5010 | 915.9681 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000049  | .0000872 | -.040046 | -.001178 | .0003435 | -.002460 | -.020878 |
| #2 | -.000034 | -.000038 | -.036521 | .000336  | -.000032 | .003070  | .057307  |
| #3 | -.000060 | .000042  | -.003452 | .000062  | -.000076 | .001087  | -.021578 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017154 | .0403314 | -.000160 | .0004055 | -.099743 | -.000892 | -.002342 |
| Stddev | .0014688 | .0411775 | .000076  | .0003405 | .184665  | .002958  | .009472  |
| %RSD   | 85.62320 | 102.0978 | 47.17507 | 83.97309 | 185.1399 | 331.5304 | 404.3576 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016569 | -.007216 | -.000076 | .0004074 | -.309105 | -.004109 | .008590  |
| #2 | .0032126 | .064044  | -.000222 | .0000641 | .039962  | .001710  | -.007527 |
| #3 | .0002767 | .064166  | -.000184 | .0007451 | -.030086 | -.000278 | -.008090 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.109375 | -.001878 | .0056893 | .0000383 | -.009233 | -.002648 | .0008144 |
| Stddev | .061799  | .002302  | .0006711 | .0001547 | .003167  | .001542  | .0003773 |
| %RSD   | 56.50199 | 122.5800 | 11.79593 | 404.1959 | 34.30346 | 58.23128 | 46.32875 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.116055 | .000738  | .0049424 | -.000116 | -.012452 | -.003894 | .0004177 |
| #2 | -.167563 | -.003593 | .0058837 | .000194  | -.006120 | -.000924 | .0011687 |
| #3 | -.044507 | -.002778 | .0062417 | .000037  | -.009126 | -.003127 | .0008567 |

Sample Name: ICB      Acquired: 02/13/2019 11:31:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0019711 | .0029065 | -.000120 |
| Stddev | .0010643 | .0004872 | .000065  |
| %RSD   | 53.99622 | 16.76163 | 54.21296 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0025703 | .0031753 | -.000178 |
| #2 | .0007422 | .0032001 | -.000134 |
| #3 | .0026006 | .0023442 | -.000049 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1261.153 | 2389.280 | 26212.51 | 3244.175 | 3005.118 |
| Stddev    | 9.520    | 5.465    | 123.65   | 25.194   | 12.907   |
| %RSD      | .7548810 | .2287369 | .4717056 | .7765891 | .4295135 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1270.991 | 2389.604 | 26353.86 | 3251.250 | 3001.715 |
| #2 | 1251.986 | 2394.575 | 26124.38 | 3265.075 | 3019.385 |
| #3 | 1260.481 | 2383.659 | 26159.29 | 3216.200 | 2994.252 |

Sample Name: ICSA      Acquired: 02/13/2019 11:35:31      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024159 | -.000550 | .0023688 | -.000236 | .0055333 | 247.8001 |
| Stddev | .0033044 | .001919  | .0011908 | .008720  | .0021358 | .4087    |
| %RSD   | 136.7815 | 349.1698 | 50.26778 | 3691.006 | 38.59824 | .1649308 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000041 | -.002614 | .0024489 | .008961  | .0042834 | 248.0905 |
| #2 | .001116  | .001181  | .0035175 | -.001285 | .0079994 | 247.3328 |
| #3 | .006172  | -.000217 | .0011400 | -.008385 | .0043171 | 247.9771 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040269 | .0010545 | -.000092 | 255.1444 | .0591189 | .0026536 |
| Stddev | .0004277 | .0000288 | .000044  | 1.6436   | .0006149 | .0002229 |
| %RSD   | 10.61986 | 2.734128 | 48.52751 | .6441816 | 1.040078 | 8.397848 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0044194 | .0010877 | -.000115 | 253.4807 | .0584147 | .0027610 |
| #2 | .0035712 | .0010367 | -.000119 | 256.7671 | .0593925 | .0023974 |
| #3 | .0040903 | .0010390 | -.000040 | 255.1853 | .0595495 | .0028025 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.007154 | 111.0350 | .0150452 | 276.0200 | .0035147 | -.007783 |
| Stddev | .004587  | 1.2644   | .0007314 | 2.4233   | .0001801 | .000063  |
| %RSD   | 64.10872 | 1.138696 | 4.861078 | .8779480 | 5.125754 | .8132636 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.001859 | 112.3261 | .0145108 | 278.3252 | .0037225 | -.007710 |
| #2 | -.009889 | 109.7992 | .0147462 | 273.4937 | .0034186 | -.007824 |
| #3 | -.009715 | 110.9797 | .0158787 | 276.2410 | .0034029 | -.007815 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.482654 | -.011809 | .0192133 | .4344865 | .0186748 | F .1460919 |
| Stddev | .325867  | .004463  | .0180745 | .0904377 | .0045531 | .0042327   |
| %RSD   | 67.51570 | 37.79240 | 94.07270 | 20.81485 | 24.38117 | 2.897273   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.116852 | -.012796 | .0265949 | .3783996 | .0238208 | .1503808 |
| #2 | -.589194 | -.006935 | -.001384 | .5388167 | .0170342 | .1419178 |
| #3 | -.741916 | -.015696 | .032429  | .3862431 | .0151692 | .1459772 |



Sample Name: ICSA      Acquired: 02/13/2019 11:35:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0021809 | .0088244 | .1084486 | -.002005 | -.001986 | .0174644 |
| Stddev | .0002250 | .0022691 | .0006750 | .002129  | .001783  | .0005371 |
| %RSD   | 10.31706 | 25.71341 | .6224536 | 106.2011 | 89.78002 | 3.075640 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0019255 | .0071223 | .1076818 | -.003778 | .000023  | .0169471 |
| #2 | .0022671 | .0114005 | .1089534 | .000357  | -.003378 | .0180194 |
| #3 | .0023500 | .0079506 | .1087106 | -.002595 | -.002602 | .0174266 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1067466 |
| Stddev | .0005088 |
| %RSD   | .4766835 |

|    |          |
|----|----------|
| #1 | .1061910 |
| #2 | .1068589 |
| #3 | .1071899 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1174.554 | 2214.996 | 24828.31 | 3181.234 | 2639.301 |
| Stddev    | 10.943   | 8.983    | 113.91   | 25.932   | 2.184    |
| %RSD      | .9316356 | .4055328 | .4587717 | .8151550 | .0827507 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1171.602 | 2214.162 | 24804.58 | 3198.351 | 2639.505 |
| #2 | 1165.391 | 2224.366 | 24728.14 | 3193.954 | 2641.375 |
| #3 | 1186.670 | 2206.459 | 24952.22 | 3151.399 | 2637.022 |

Sample Name: CCV005      Acquired: 02/13/2019 11:43:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV005      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.865068 | 4.817713 | 24.17596 | 4.908437 | 4.976554 | 395.6838 | 9.719126 |
| Stddev | .026222  | .014253  | .07553   | .005113  | .004265  | .9810    | .035441  |
| %RSD   | .5389858 | .2958411 | .3124247 | .1041611 | .0856921 | .2479180 | .3646498 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.858065 | 4.812381 | 24.13841 | 4.906430 | 4.972396 | 395.4868 | 9.730688 |
| #2 | 4.843058 | 4.806894 | 24.12656 | 4.914248 | 4.976347 | 394.8162 | 9.679348 |
| #3 | 4.894080 | 4.833863 | 24.26290 | 4.904632 | 4.980918 | 396.7483 | 9.747341 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5088282 | 2.471812 | 388.7399 | 15.10780 | 2.492269 | 14.90239 | 415.3112 |
| Stddev | .0011318 | .008005  | 1.0617   | .01676   | .007043  | .04427   | .2383    |
| %RSD   | .2224327 | .3238427 | .2731084 | .1109291 | .2825836 | .2970499 | .0573873 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5098318 | 2.470957 | 389.4647 | 15.12371 | 2.487318 | 14.93838 | 415.0493 |
| #2 | .5076015 | 2.464268 | 387.5212 | 15.09031 | 2.489159 | 14.85296 | 415.3690 |
| #3 | .5090515 | 2.480209 | 389.2337 | 15.10938 | 2.500332 | 14.91582 | 415.5154 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.07002 | 411.0905 | 2.451979 | 1.208553 | 399.8229 | 2.507991 | 15.37295 |
| Stddev | .03574   | .6466    | .007280  | .004661  | .3226    | .025651  | .05872   |
| %RSD   | .2371411 | .1572989 | .2969014 | .3856545 | .0806758 | 1.022776 | .3819453 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.04736 | 411.4934 | 2.449427 | 1.208990 | 399.9684 | 2.504862 | 15.34055 |
| #2 | 15.05148 | 410.3446 | 2.446318 | 1.212979 | 400.0471 | 2.484048 | 15.33757 |
| #3 | 15.11121 | 411.4334 | 2.460191 | 1.203689 | 399.4532 | 2.535063 | 15.44072 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.0201 | 4.637842 | 5.356672 | 4.956259 | 4.528624 | 4.991528 | 4.943376 |
| Stddev | .4232    | .014856  | .015105  | .002629  | .016732  | .006710  | .016327  |
| %RSD   | .2802098 | .3203178 | .2819780 | .0530385 | .3694726 | .1344215 | .3302903 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 151.4906 | 4.634660 | 5.359663 | 4.959292 | 4.510638 | 4.993381 | 4.936464 |
| #2 | 150.6706 | 4.624836 | 5.340296 | 4.954861 | 4.531506 | 4.984086 | 4.931642 |
| #3 | 150.8992 | 4.654032 | 5.370058 | 4.954625 | 4.543727 | 4.997115 | 4.962023 |

Sample Name: CCV005      Acquired: 02/13/2019 11:43:31      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV005      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.904686 | 5.010204 | 4.942699 |
| Stddev | .022357  | .021202  | .014715  |
| %RSD   | .4558283 | .4231718 | .2977191 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.894639 | 5.014607 | 4.958368 |
| #2 | 4.889115 | 4.987147 | 4.929173 |
| #3 | 4.930303 | 5.028859 | 4.940555 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1074.112 | 2022.114 | 24636.76 | 3128.952 | 2422.738 |
| Stddev    | 11.056   | 4.957    | 156.56   | 12.032   | 8.870    |
| %RSD      | 1.029287 | .2451193 | .6354558 | .3845350 | .3661199 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1069.945 | 2017.061 | 24526.63 | 3122.358 | 2417.009 |
| #2 | 1065.745 | 2026.968 | 24567.67 | 3121.658 | 2432.956 |
| #3 | 1086.645 | 2022.313 | 24815.97 | 3142.839 | 2418.250 |

Sample Name: ICSAB      Acquired: 02/13/2019 11:39:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1022453 | .1162755 | .0555124 | .0496377 | .6446144 | 227.4891 |
| Stddev | .0053596 | .0023986 | .0020283 | .0044025 | .0035196 | .7803    |
| %RSD   | 5.241951 | 2.062841 | 3.653728 | 8.869340 | .5459987 | .3430149 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1083583 | .1145510 | .0575473 | .0539444 | .6438452 | 228.3860 |
| #2 | .1000250 | .1152610 | .0554992 | .0451452 | .6415431 | 227.1155 |
| #3 | .0983525 | .1190147 | .0534908 | .0498234 | .6484550 | 226.9658 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5344167 | .5304550 | 1.076064 | 234.7174 | .6145906 | .5325973 |
| Stddev | .0004491 | .0019746 | .005183  | .4525    | .0018024 | .0022430 |
| %RSD   | .0840282 | .3722461 | .4816637 | .1928041 | .2932631 | .4211393 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5349127 | .5321934 | 1.073124 | 235.2225 | .6150285 | .5322485 |
| #2 | .5342996 | .5308636 | 1.073019 | 234.5809 | .6126097 | .5305492 |
| #3 | .5340378 | .5283081 | 1.082048 | 234.3489 | .6161337 | .5349943 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5412519 | 103.9166 | .5611776 | 254.6162 | 1.066312 | .1936669 |
| Stddev | .0050758 | .2828    | .0019743 | .9746    | .002769  | .0010317 |
| %RSD   | .9377975 | .2721395 | .3518179 | .3827551 | .2596814 | .5327060 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5373201 | 104.1353 | .5606959 | 254.8222 | 1.064440 | .1944353 |
| #2 | .5469821 | 103.5973 | .5633482 | 253.5551 | 1.065003 | .1924943 |
| #3 | .5394535 | 104.0174 | .5594887 | 255.4713 | 1.069493 | .1940711 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 1.783465 | .5505962 | 1.043579 | 1.219992 | .6611092 | F .7830211 |
| Stddev | .231728  | .0075196 | .009010  | .038602  | .0049970 | .0038593   |
| %RSD   | 12.99312 | 1.365715 | .8633879 | 3.164124 | .7558512 | .4928679   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.831185 | .5510948 | 1.053814 | 1.260530 | .6655081 | .7873572 |
| #2 | 1.987617 | .5428397 | 1.036846 | 1.215775 | .6556760 | .7799627 |
| #3 | 1.531592 | .5578541 | 1.040075 | 1.183672 | .6621435 | .7817436 |

Sample Name: ICSAB      Acquired: 02/13/2019 11:39:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      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 .6623659 | .6558622 | .7643773 | F .6806288 | .6952346 | .7507258 |
| Stddev | .0030657   | .0042874 | .0073430 | .0025255   | .0037335 | .0046077 |
| %RSD   | .4628411   | .6537006 | .9606538 | .3710481   | .5370055 | .6137658 |
|        |            |          |          |            |          |          |
| #1     | .6610498   | .6517279 | .7726523 | .6782566   | .6955994 | .7556254 |
| #2     | .6601780   | .6555710 | .7618409 | .6803462   | .6913322 | .7500724 |
| #3     | .6658699   | .6602878 | .7586387 | .6832837   | .6987723 | .7464798 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .7972959 |
| Stddev | .0009763 |
| %RSD   | .1224519 |
|        |          |
| #1     | .7978793 |
| #2     | .7978397 |
| #3     | .7961688 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1177.519 | 2208.242 | 24891.84 | 3184.334 | 2652.991 |
| Stddev    | 5.887    | 9.330    | 102.12   | 17.884   | 10.571   |
| %RSD      | .4999804 | .4225253 | .4102683 | .5616138 | .3984371 |
|           |          |          |          |          |          |
| #1        | 1175.034 | 2213.760 | 24780.39 | 3163.936 | 2655.776 |
| #2        | 1184.241 | 2213.497 | 24980.94 | 3191.746 | 2661.891 |
| #3        | 1173.281 | 2197.469 | 24914.19 | 3197.320 | 2641.308 |

Sample Name: CCB005      Acquired: 02/13/2019 11:47:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB005      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000983 | -.000039 | .0015501 | .0011180 | .0028407 | -.007931 | -.001594 |
| Stddev | .000810  | .002754  | .0015588 | .0015975 | .0013234 | .024107  | .000222  |
| %RSD   | 82.37622 | 7133.678 | 100.5661 | 142.8917 | 46.58869 | 303.9717 | 13.95908 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001573 | .002326  | .0013506 | .0024972 | .0024159 | -.013947 | -.001354 |
| #2 | -.001317 | -.003062 | .0001005 | .0014892 | .0017818 | -.028460 | -.001633 |
| #3 | -.000060 | .000621  | .0031990 | -.000632 | .0043244 | .018615  | -.001794 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000298 | .0001056 | -.012764 | -.000091 | .0000983 | .0020030 | .0287863 |
| Stddev | .0000466 | .0001926 | .008529  | .000552  | .0000488 | .0035602 | .0247254 |
| %RSD   | 156.1422 | 182.4139 | 66.82152 | 606.3797 | 49.68965 | 177.7483 | 85.89318 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000454 | .0000124 | -.009454 | -.000158 | .0000449 | -.000468 | .0396644 |
| #2 | -.000023 | -.000023 | -.022451 | -.000607 | .0001093 | .000393  | .0462075 |
| #3 | .000067  | .000327  | -.006385 | .000491  | .0001407 | .006084  | .0004868 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009678 | .0669679 | .0001351 | .0008189 | -.350554 | -.004548 | -.009279 |
| Stddev | .0005705 | .0277411 | .0004148 | .0001476 | .225779  | .002345  | .027304  |
| %RSD   | 58.94382 | 41.42442 | 307.1779 | 18.01828 | 64.40642 | 51.55757 | 294.2418 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016071 | .0453064 | .0004244 | .0006688 | -.225938 | -.005716 | -.032860 |
| #2 | .0007859 | .0982351 | -.000340 | .0009638 | -.214545 | -.006081 | -.015613 |
| #3 | .0005105 | .0573622 | .000321  | .0008242 | -.611178 | -.001849 | .020635  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.041538 | -.003981 | .0084365 | .0001504 | -.007516 | -.004602 | -.000234 |
| Stddev | .199435  | .000935  | .0002061 | .0001948 | .000762  | .000540  | .000699  |
| %RSD   | 480.1320 | 23.47946 | 2.442544 | 129.4755 | 10.13656 | 11.74341 | 299.3593 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.245296 | -.003336 | .0083758 | .0002144 | -.006637 | -.004208 | -.000196 |
| #2 | .153274  | -.005053 | .0082676 | -.000068 | -.007980 | -.004381 | -.000951 |
| #3 | -.032591 | -.003555 | .0086661 | .000305  | -.007931 | -.005219 | .000446  |

Sample Name: CCB005      Acquired: 02/13/2019 11:47:17      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB005      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001001 | .0026810 | -.000207 |
| Stddev | .000981  | .0025202 | .000090  |
| %RSD   | 98.00510 | 94.00114 | 43.29925 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000068  | -.000037 | -.000199 |
| #2 | -.001211 | .004940  | -.000121 |
| #3 | -.001861 | .003141  | -.000300 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1253.645 | 2353.908 | 25924.17 | 3236.058 | 2997.101 |
| Stddev    | 11.916   | 7.906    | 257.85   | 30.339   | 11.200   |
| %RSD      | .9505234 | .3358847 | .9946384 | .9375398 | .3736829 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1244.761 | 2357.722 | 25675.25 | 3269.650 | 3008.488 |
| #2 | 1267.186 | 2359.185 | 26190.11 | 3210.650 | 2996.717 |
| #3 | 1248.988 | 2344.818 | 25907.15 | 3227.875 | 2986.099 |

Sample Name: K1337-09      Acquired: 02/13/2019 11:51:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1035818 | .0037994 | 4.008609 | .0077654 | .0124675 | 141.4216 | 1.086669 |
| Stddev | .0016347 | .0007644 | .010818  | .0022945 | .0028046 | .3116    | .007946  |
| %RSD   | 1.578196 | 20.11874 | .2698667 | 29.54758 | 22.49504 | .2203328 | .7312278 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1020203 | .0042160 | 4.010316 | .0075975 | .0155601 | 141.7749 | 1.086524 |
| #2 | .1034441 | .0042650 | 3.997038 | .0055595 | .0117533 | 141.1858 | 1.078797 |
| #3 | .1052810 | .0029172 | 4.018471 | .0101393 | .0100891 | 141.3041 | 1.094687 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0127300 | .0647292 | 26.55966 | .2339929 | .0760350 | .1019260 | 304.2764 |
| Stddev | .0000747 | .0004427 | .03644   | .0015519 | .0002547 | .0021051 | 3.6047   |
| %RSD   | .5865501 | .6839222 | .1371987 | .6632440 | .3349511 | 2.065280 | 1.184667 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0126465 | .0644196 | 26.57505 | .2348605 | .0757957 | .1025646 | 305.5858 |
| #2 | .0127533 | .0645318 | 26.58589 | .2322012 | .0760066 | .0995755 | 307.0434 |
| #3 | .0127903 | .0652363 | 26.51806 | .2349170 | .0763027 | .1036377 | 300.2001 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.812980 | 10.04917 | .1100517 | -.018018 | -.111857 | .4386390 | 12.02868 |
| Stddev | .022505  | .17959   | .0003851 | .000303  | .135538  | .0078988 | .12643   |
| %RSD   | 1.241344 | 1.787090 | .3499299 | 1.682797 | 121.1705 | 1.800748 | 1.051078 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.815682 | 10.09465 | .1098144 | -.017671 | -.178380 | .4461670 | 11.96266 |
| #2 | 1.834013 | 10.20163 | .1098447 | -.018228 | .044089  | .4393345 | 12.17446 |
| #3 | 1.789246 | 9.85121  | .1104960 | -.018157 | -.201282 | .4304154 | 11.94893 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.712798 | 1.621943 | .4008101 | .0073337 | 3.519643 | 1.681473 | .0093006 |
| Stddev | .021670  | .008422  | .0050073 | .0000729 | .008812  | .004795  | .0007548 |
| %RSD   | .3793236 | .5192318 | 1.249292 | .9940080 | .2503582 | .2851811 | 8.115844 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.713526 | 1.615744 | .4018142 | .0072552 | 3.511351 | 1.681246 | .0092240 |
| #2 | 5.690773 | 1.618553 | .4052392 | .0073993 | 3.518681 | 1.686378 | .0085870 |
| #3 | 5.734095 | 1.631531 | .3953768 | .0073466 | 3.528896 | 1.676796 | .0100909 |



Sample Name: K1337-09      Acquired: 02/13/2019 11:51:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2596362 | .0543998 | .1129004 |
| Stddev | .0032322 | .0003033 | .0005521 |
| %RSD   | 1.244895 | .5574725 | .4890117 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2626434 | .0544658 | .1131194 |
| #2 | .2600469 | .0546646 | .1122724 |
| #3 | .2562183 | .0540689 | .1133094 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1402.945 | 2624.183 | 29647.27 | 3783.600 | 2914.005 |
| Stddev    | 6.925    | 9.021    | 97.11    | 13.379   | 12.049   |
| %RSD      | .4936337 | .3437454 | .3275608 | .3536035 | .4134787 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1402.674 | 2618.750 | 29577.17 | 3781.556 | 2905.577 |
| #2 | 1396.160 | 2634.596 | 29606.51 | 3771.361 | 2927.805 |
| #3 | 1410.002 | 2619.204 | 29758.12 | 3797.883 | 2908.632 |

Sample Name: K1337-12      Acquired: 02/13/2019 12:03:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0966629 | .0007514 | 4.905682 | .0037012 | .0089191 | 40.66357 | .6980301 |
| Stddev | .0007608 | .0009410 | .019017  | .0016900 | .0023385 | .27273   | .0045588 |
| %RSD   | .7870535 | 125.2399 | .3876509 | 45.66004 | 26.21936 | .6707103 | .6530971 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0966449 | -.000286 | 4.890064 | .0052246 | .0101689 | 40.63267 | .6984474 |
| #2 | .0959113 | .000989  | 4.900122 | .0018834 | .0062212 | 40.40760 | .6932770 |
| #3 | .0974326 | .001551  | 4.926858 | .0039955 | .0103672 | 40.95044 | .7023659 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073922 | .1438786 | 26.16735 | .1083723 | .0682813 | .2366178 | 241.6430 |
| Stddev | .0001455 | .0008468 | .21195   | .0003614 | .0005366 | .0029012 | .6152    |
| %RSD   | 1.967769 | .5885611 | .8099608 | .3335144 | .7858871 | 1.226097 | .2546062 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072308 | .1433888 | 26.01926 | .1079661 | .0676676 | .2387323 | 242.1970 |
| #2 | .0074325 | .1433905 | 26.07267 | .1086584 | .0685142 | .2333103 | 240.9809 |
| #3 | .0075132 | .1448564 | 26.41014 | .1084924 | .0686621 | .2378108 | 241.7513 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.639245 | 4.310978 | .1584831 | -.013755 | -.218055 | .1978625 | 21.22538 |
| Stddev | .005731  | .100627  | .0006655 | .000410  | .048473  | .0074082 | .31750   |
| %RSD   | .3495919 | 2.334214 | .4199337 | 2.981255 | 22.22953 | 3.744127 | 1.495838 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.641075 | 4.370321 | .1577976 | -.013432 | -.171912 | .1902753 | 21.55024 |
| #2 | 1.632822 | 4.194792 | .1585252 | -.013617 | -.213692 | .2050777 | 21.21008 |
| #3 | 1.643836 | 4.367820 | .1591266 | -.014217 | -.268562 | .1982346 | 20.91580 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.868446 | 6.023325 | .3217396 | .0038655 | 12.17511 | 2.251728 | .0095389 |
| Stddev | .017952  | .032077  | .0028569 | .0001244 | .05772   | .019220  | .0011516 |
| %RSD   | .2024215 | .5325454 | .8879657 | 3.218606 | .4740495 | .8535461 | 12.07258 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.852946 | 6.017383 | .3250235 | .0037236 | 12.17435 | 2.242170 | .0107119 |
| #2 | 8.864275 | 5.994634 | .3203700 | .0039166 | 12.11778 | 2.239161 | .0084100 |
| #3 | 8.888115 | 6.057957 | .3198253 | .0039562 | 12.23320 | 2.273853 | .0094947 |

Sample Name: K1337-12      Acquired: 02/13/2019 12:03:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1233031 | .0378693 | .1122871 |
| Stddev | .0023640 | .0012426 | .0007164 |
| %RSD   | 1.917236 | 3.281157 | .6380281 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1210965 | .0386817 | .1119775 |
| #2 | .1230148 | .0364389 | .1117775 |
| #3 | .1257980 | .0384871 | .1131062 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1357.548 | 2543.692 | 28740.40 | 3689.516 | 2942.602 |
| Stddev    | 7.137    | 10.116   | 56.70    | 30.154   | 11.438   |
| %RSD      | .5257232 | .3976844 | .1972742 | .8172844 | .3887065 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1351.701 | 2547.606 | 28731.71 | 3712.465 | 2951.322 |
| #2 | 1355.443 | 2551.266 | 28800.94 | 3700.719 | 2946.832 |
| #3 | 1365.501 | 2532.204 | 28688.54 | 3655.364 | 2929.651 |

Sample Name: K1337-11      Acquired: 02/13/2019 11:59:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1074202 | -.001320 | 2.677984 | .0067940 | -.008042 | 20.46807 |
| Stddev | .0006581 | .002932  | .016316  | .0039462 | .003314  | .09339   |
| %RSD   | .6126794 | 222.0935 | .6092576 | 58.08341 | 41.20332 | .4562830 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1080332 | .001848  | 2.674322 | .0099969 | -.008982 | 20.57266 |
| #2 | .1067247 | -.003938 | 2.663810 | .0079994 | -.010784 | 20.39302 |
| #3 | .1075026 | -.001870 | 2.695819 | .0023857 | -.004360 | 20.43853 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4441926 | .0045394 | 3.113182 | 58.46361 | .0721732 | .0382057 |
| Stddev | .0018832 | .0000723 | .013487  | .24899   | .0003437 | .0003941 |
| %RSD   | .4239518 | 1.592710 | .4332246 | .4258843 | .4761809 | 1.031614 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4462616 | .0046206 | 3.105941 | 58.74755 | .0725503 | .0386594 |
| #2 | .4425785 | .0044820 | 3.104863 | 58.28253 | .0720917 | .0379485 |
| #3 | .4437378 | .0045157 | 3.128744 | 58.36076 | .0718776 | .0380091 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.186545 | 141.9292 | 1.398693 | 30.79686 | .0939716 | -.007305 |
| Stddev | .006799  | 1.2034   | .014904  | .27037   | .0011477 | .000433  |
| %RSD   | .5729764 | .8478836 | 1.065588 | .8779107 | 1.221270 | 5.924612 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.194044 | 142.8124 | 1.410023 | 30.85083 | .0931657 | -.007804 |
| #2 | 1.184808 | 140.5585 | 1.381809 | 30.50358 | .0934636 | -.007026 |
| #3 | 1.180783 | 142.4166 | 1.404245 | 31.03618 | .0952856 | -.007086 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.280381 | .1490351 | F 297.2763 | 1.066108 | 2.515239 | .1830762 |
| Stddev | .169296  | .0031578 | 1.3792     | .067113  | .016953  | .0026371 |
| %RSD   | 60.38074 | 2.118833 | .4639521   | 6.295129 | .6740074 | 1.440419 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.123637 | .1513835 | 297.1301 | 1.092760 | 2.504563 | .1858915 |
| #2 | -.257585 | .1502767 | 295.9760 | .989763  | 2.506367 | .1806636 |
| #3 | -.459919 | .1454453 | 298.7228 | 1.115801 | 2.534787 | .1826736 |

Sample Name: K1337-11      Acquired: 02/13/2019 11:59:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055373 | 110.3843 | 3.878691 | .0049750 | .1097212 | .0099387 |
| Stddev | .0003125 | .4551    | .028473  | .0015125 | .0009426 | .0013640 |
| %RSD   | 5.643462 | .4123240 | .7340792 | 30.40222 | .8590638 | 13.72455 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0052089 | 110.0070 | 3.904093 | .0052501 | .1086343 | .0104450 |
| #2 | .0058309 | 110.2560 | 3.847914 | .0033439 | .1103135 | .0109772 |
| #3 | .0055722 | 110.8898 | 3.884068 | .0063311 | .1102159 | .0083939 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0333199 |
| Stddev | .0001853 |
| %RSD   | .5561660 |

|    |          |
|----|----------|
| #1 | .0334798 |
| #2 | .0331168 |
| #3 | .0333631 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1422.706 | 2657.446 | 30440.83 | 3859.888 | 2886.855 |
| Stddev    | 4.753    | 14.205   | 78.04    | 24.537   | 11.880   |
| %RSD      | .3341100 | .5345421 | .2563623 | .6356907 | .4115277 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1424.699 | 2668.015 | 30530.94 | 3837.098 | 2896.229 |
| #2 | 1426.138 | 2663.024 | 30395.43 | 3885.861 | 2890.842 |
| #3 | 1417.280 | 2641.298 | 30396.11 | 3856.704 | 2873.494 |

Sample Name: K1337-13      Acquired: 02/13/2019 12:07:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0401459 | -.001367 | .8762882 | .0060323 | .0040139 | 55.62384 | .8809112 |
| Stddev | .0027403 | .002705  | .0046486 | .0015497 | .0012989 | .04901   | .0052272 |
| %RSD   | 6.825864 | 197.8376 | .5304912 | 25.69108 | 32.35962 | .0881009 | .5933873 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0394522 | -.003364 | .8709204 | .0078217 | .0038414 | 55.56799 | .8864703 |
| #2 | .0431664 | -.002448 | .8789614 | .0051411 | .0053903 | 55.65962 | .8760955 |
| #3 | .0378192 | .001711  | .8789828 | .0051339 | .0028098 | 55.64391 | .8801679 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063754 | .2141183 | 26.34204 | .0928397 | .0430323 | .1243902 | 128.4903 |
| Stddev | .0000950 | .0007195 | .06610   | .0010740 | .0003594 | .0031854 | .6958    |
| %RSD   | 1.490096 | .3360388 | .2509407 | 1.156855 | .8350844 | 2.560781 | .5415332 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063119 | .2138400 | 26.38892 | .0922259 | .0431527 | .1268391 | 127.6887 |
| #2 | .0063297 | .2135795 | 26.26643 | .0940799 | .0426282 | .1207891 | 128.9389 |
| #3 | .0064846 | .2149354 | 26.37076 | .0922134 | .0433160 | .1255425 | 128.8432 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.055955 | 3.968595 | .0992194 | -.007098 | -.257791 | .2246842 | 27.73540 |
| Stddev | .005449  | .046617  | .0004719 | .000372  | .219345  | .0054257 | .35049   |
| %RSD   | .5160164 | 1.174642 | .4756300 | 5.247613 | 85.08614 | 2.414830 | 1.263681 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.049962 | 3.999590 | .0988947 | -.007334 | -.116181 | .2286347 | 28.11582 |
| #2 | 1.057295 | 3.991210 | .0997607 | -.007292 | -.510453 | .2184978 | 27.66477 |
| #3 | 1.060610 | 3.914984 | .0990028 | -.006669 | -.146740 | .2269200 | 27.42561 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.463476 | 2.274427 | .1680733 | .0031718 | 3.144800 | 1.965158 | .0036333 |
| Stddev | .008111  | .007809  | .0009135 | .0001011 | .022400  | .025593  | .0013678 |
| %RSD   | .2341898 | .3433487 | .5435203 | 3.187319 | .7122831 | 1.302320 | 37.64698 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.459294 | 2.276355 | .1672852 | .0031964 | 3.144031 | 1.936272 | .0038646 |
| #2 | 3.472824 | 2.265835 | .1690746 | .0030607 | 3.122794 | 1.974198 | .0048708 |
| #3 | 3.458309 | 2.281092 | .1678602 | .0032583 | 3.167574 | 1.985003 | .0021646 |

Sample Name: K1337-13      Acquired: 02/13/2019 12:07:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1099931 | .0261475 | .0653171 |
| Stddev | .0012709 | .0013316 | .0002144 |
| %RSD   | 1.155429 | 5.092570 | .3283077 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1092720 | .0258197 | .0651053 |
| #2 | .1114606 | .0276124 | .0655341 |
| #3 | .1092468 | .0250105 | .0653120 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1453.244 | 2721.679 | 30804.29 | 3957.397 | 2942.208 |
| Stddev    | 6.219    | 8.609    | 73.80    | 39.844   | 5.924    |
| %RSD      | .4279146 | .3163000 | .2395917 | 1.006818 | .2013400 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1448.271 | 2711.941 | 30791.21 | 4003.074 | 2944.212 |
| #2 | 1451.244 | 2728.276 | 30737.90 | 3939.331 | 2946.870 |
| #3 | 1460.216 | 2724.822 | 30883.76 | 3929.787 | 2935.542 |

Sample Name: K1337-14      Acquired: 02/13/2019 12:11:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0842799 | .0030246 | .2705675 | .0084894 | .0139104 | 119.9453 | .8092461 |
| Stddev | .0014144 | .0015254 | .0035362 | .0026558 | .0012209 | .2056    | .0002578 |
| %RSD   | 1.678177 | 50.43298 | 1.306953 | 31.28358 | 8.777062 | .1714364 | .0318553 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0832922 | .0012670 | .2720190 | .0085270 | .0137553 | 119.8106 | .8090260 |
| #2 | .0836475 | .0040038 | .2665366 | .0058150 | .0127743 | 119.8432 | .8095297 |
| #3 | .0859002 | .0038029 | .2731471 | .0111262 | .0152014 | 120.1820 | .8091826 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0127234 | .0056429 | 19.52403 | .3453728 | .5345163 | .0643254 | 412.5019 |
| Stddev | .0001127 | .0000999 | .13799   | .0012863 | .0004421 | .0024114 | 1.9345   |
| %RSD   | .8856251 | 1.770208 | .7067761 | .3724486 | .0827088 | 3.748775 | .4689586 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0126148 | .0057018 | 19.37864 | .3440608 | .5343264 | .0620475 | 410.7531 |
| #2 | .0127157 | .0055275 | 19.54027 | .3466319 | .5342010 | .0640774 | 412.1728 |
| #3 | .0128397 | .0056992 | 19.65319 | .3454258 | .5350217 | .0668512 | 414.5798 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.004456 | 8.838546 | .2184439 | -.024908 | -.637959 | .3896514 | .7999407 |
| Stddev | .027352  | .075595  | .0010624 | .000555  | .109381  | .0095620 | .0101967 |
| %RSD   | .4555323 | .8552872 | .4863535 | 2.229485 | 17.14549 | 2.453990 | 1.274679 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.988992 | 8.786762 | .2192687 | -.025508 | -.743107 | .3798703 | .7887715 |
| #2 | 5.988338 | 8.803583 | .2172451 | -.024413 | -.645985 | .3901058 | .8022992 |
| #3 | 6.036037 | 8.925294 | .2188180 | -.024801 | -.524787 | .3989781 | .8087515 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.926744 | 2.163769 | .5119870 | .0073505 | 1.051966 | 1.961461 | .0112266 |
| Stddev | .044676  | .009412  | .0052839 | .0002248 | .005864  | .023901  | .0009502 |
| %RSD   | .7538057 | .4349826 | 1.032031 | 3.058673 | .5574056 | 1.218555 | 8.463851 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.903496 | 2.164923 | .5159226 | .0075722 | 1.058685 | 1.937879 | .0122441 |
| #2 | 5.978251 | 2.153833 | .5059816 | .0073566 | 1.047883 | 1.960834 | .0110736 |
| #3 | 5.898486 | 2.172551 | .5140569 | .0071227 | 1.049330 | 1.985670 | .0103622 |



Sample Name: K1337-14      Acquired: 02/13/2019 12:11:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2779015 | .0831598 | .0839553 |
| Stddev | .0021990 | .0002968 | .0000708 |
| %RSD   | .7912730 | .3569490 | .0842795 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2762999 | .0831206 | .0839322 |
| #2 | .2804086 | .0834743 | .0840348 |
| #3 | .2769960 | .0828845 | .0838990 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1343.805 | 2500.991 | 28424.11 | 3635.281 | 2888.828 |
| Stddev    | 7.381    | 7.671    | 204.48   | 29.493   | 9.263    |
| %RSD      | .5492745 | .3067339 | .7194032 | .8113125 | .3206444 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1341.167 | 2496.419 | 28498.40 | 3667.647 | 2879.305 |
| #2 | 1338.105 | 2509.848 | 28192.86 | 3628.275 | 2897.807 |
| #3 | 1352.143 | 2496.707 | 28581.06 | 3609.921 | 2889.373 |

Sample Name: K1337-18      Acquired: 02/13/2019 12:27:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0812807 | -.000806 | 2.977241 | .0077507 | .0064420 | 121.1587 | 1.149019 |
| Stddev | .0014612 | .001604  | .020328  | .0009793 | .0006034 | .4849    | .002681  |
| %RSD   | 1.797775 | 199.0578 | .6827847 | 12.63476 | 9.367122 | .4002010 | .2333013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0827140 | .001035  | 2.977762 | .0067448 | .0069164 | 121.6315 | 1.149036 |
| #2 | .0797930 | -.001544 | 2.956658 | .0078063 | .0066467 | 120.6625 | 1.146329 |
| #3 | .0813352 | -.001908 | 2.997304 | .0087010 | .0057628 | 121.1821 | 1.151691 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0124736 | .2300519 | 30.32108 | .1689672 | .1219139 | .2164693 | 225.6618 |
| Stddev | .0000274 | .0003964 | .08292   | .0005151 | .0008262 | .0062699 | 2.9961   |
| %RSD   | .2196546 | .1722921 | .2734690 | .3048483 | .6776829 | 2.896414 | 1.327698 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0125023 | .2299386 | 30.35319 | .1689333 | .1212596 | .2092907 | 228.9063 |
| #2 | .0124477 | .2297245 | 30.22691 | .1684698 | .1216397 | .2192457 | 222.9995 |
| #3 | .0124708 | .2304926 | 30.38315 | .1694983 | .1228423 | .2208716 | 225.0796 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.595257 | 8.666289 | .1308361 | -.012967 | -.176194 | .3214093 | 28.27865 |
| Stddev | .028957  | .022331  | .0010002 | .000300  | .133418  | .0024968 | .21460   |
| %RSD   | 1.115784 | .2576789 | .7644813 | 2.312104 | 75.72195 | .7768240 | .7588899 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.626373 | 8.647996 | .1300006 | -.013198 | -.106658 | .3229809 | 28.40603 |
| #2 | 2.569099 | 8.691174 | .1305632 | -.013076 | -.330017 | .3227168 | 28.03088 |
| #3 | 2.590299 | 8.659697 | .1319444 | -.012628 | -.091908 | .3185303 | 28.39905 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.955181 | 2.129955 | .2858977 | .0047787 | 6.993162 | 1.509828 | .0081929 |
| Stddev | .070029  | .010881  | .0085015 | .0001670 | .043498  | .006811  | .0016537 |
| %RSD   | 1.413255 | .5108622 | 2.973602 | 3.494451 | .6220141 | .4511175 | 20.18442 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.019819 | 2.131443 | .2952367 | .0049486 | 6.981790 | 1.517145 | .0099431 |
| #2 | 4.880784 | 2.118407 | .2786086 | .0046148 | 6.956480 | 1.503672 | .0066565 |
| #3 | 4.964940 | 2.140017 | .2838478 | .0047726 | 7.041218 | 1.508668 | .0079790 |

Sample Name: K1337-18      Acquired: 02/13/2019 12:27:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1339769 | .0399129 | .1117141 |
| Stddev | .0024591 | .0018288 | .0000903 |
| %RSD   | 1.835488 | 4.582033 | .0808305 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1352172 | .0394106 | .1117117 |
| #2 | .1355690 | .0383877 | .1116250 |
| #3 | .1311447 | .0419404 | .1118056 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1534.868 | 2839.592 | 32390.62 | 4187.363 | 2895.397 |
| Stddev    | 4.811    | 5.654    | 28.96    | 22.092   | 7.389    |
| %RSD      | .3134193 | .1991011 | .0894057 | .5275787 | .2552129 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1540.222 | 2844.365 | 32401.26 | 4164.684 | 2899.836 |
| #2 | 1533.471 | 2833.348 | 32357.85 | 4188.587 | 2899.487 |
| #3 | 1530.910 | 2841.063 | 32412.76 | 4208.816 | 2886.866 |

Sample Name: K1337-17      Acquired: 02/13/2019 12:23:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFY1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0865904 | -.001843 | 1.121589 | .0059169 | .0033296 | 120.2720 |
| Stddev | .0021940 | .002776  | .006751  | .0019889 | .0021175 | .3084    |
| %RSD   | 2.533720 | 150.6853 | .6019480 | 33.61364 | 63.59501 | .2563891 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0880988 | -.000713 | 1.117396 | .0036626 | .0033860 | 120.1433 |
| #2 | .0840735 | -.005006 | 1.117995 | .0066643 | .0054184 | 120.6239 |
| #3 | .0875989 | .000191  | 1.129377 | .0074239 | .0011845 | 120.0489 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.403726 | .0133154 | .2873833 | 28.71564 | .1835336 | .1166451 |
| Stddev | .005516  | .0001103 | .0018027 | .07834   | .0015902 | .0003549 |
| %RSD   | .3929728 | .8282326 | .6272878 | .2728091 | .8664124 | .3042995 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.408215 | .0132026 | .2861569 | 28.62643 | .1821252 | .1167134 |
| #2 | 1.405396 | .0134230 | .2865398 | 28.77322 | .1852581 | .1162610 |
| #3 | 1.397568 | .0133205 | .2894531 | 28.74728 | .1832176 | .1169609 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2349083 | 289.7842 | 3.170370 | 8.020067 | .1305143 | -.017408 |
| Stddev | .0030741 | .9650    | .002425  | .117101  | .0004371 | .000332  |
| %RSD   | 1.308641 | .3330078 | .0764949 | 1.460101 | .3348958 | 1.905827 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2314105 | 288.6706 | 3.168293 | 8.001927 | .1300167 | -.017784 |
| #2 | .2371810 | 290.3756 | 3.169782 | 8.145180 | .1306897 | -.017155 |
| #3 | .2361332 | 290.3064 | 3.173035 | 7.913095 | .1308364 | -.017286 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.190246 | .3862668 | F 49.55842 | 4.687452 | 1.808452 | .3648276 |
| Stddev | .081750  | .0052852 | .33528     | .004293  | .006234  | .0022493 |
| %RSD   | 42.97083 | 1.368284 | .6765423   | .0915904 | .3447044 | .6165429 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.189382 | .3922349 | 49.69611 | 4.686162 | 1.805393 | .3643938 |
| #2 | -.272425 | .3821781 | 49.17621 | 4.683951 | 1.804338 | .3628268 |
| #3 | -.108931 | .3843875 | 49.80294 | 4.692242 | 1.815624 | .3672623 |

Sample Name: K1337-17      Acquired: 02/13/2019 12:23:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFY1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058152 | 7.272719 | 1.986312 | .0185613 | .0939892 | .0422318 |
| Stddev | .0002095 | .021521  | .015048  | .0009258 | .0019894 | .0003196 |
| %RSD   | 3.602869 | .2959074 | .7576010 | 4.987739 | 2.116598 | .7567460 |
| #1     | .0057201 | 7.258095 | 1.970858 | .0192251 | .0925586 | .0422700 |
| #2     | .0060554 | 7.262632 | 2.000919 | .0175037 | .0962610 | .0425305 |
| #3     | .0056701 | 7.297430 | 1.987160 | .0189552 | .0931481 | .0418948 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1323062 |
| Stddev | .0000887 |
| %RSD   | .0670612 |
| #1     | .1322673 |
| #2     | .1322436 |
| #3     | .1324077 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1464.088 | 2732.316 | 31035.80 | 4018.190 | 2881.482 |
| Stddev    | 5.690    | 8.373    | 46.47    | 31.646   | 9.698    |
| %RSD      | .3886141 | .3064327 | .1497226 | .7875770 | .3365667 |
| #1        | 1470.378 | 2739.732 | 31086.65 | 4050.334 | 2886.619 |
| #2        | 1462.589 | 2733.979 | 31025.20 | 3987.066 | 2887.531 |
| #3        | 1459.299 | 2723.236 | 30995.55 | 4017.170 | 2870.296 |

Sample Name: K1337-19      Acquired: 02/13/2019 12:31:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGA FY3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0301653 | -.004229 | .6303731 | .0046741 | .0020953 | 35.10351 | .4425790 |
| Stddev | .0041955 | .001954  | .0090434 | .0013489 | .0011589 | .20122   | .0018182 |
| %RSD   | 13.90832 | 46.20615 | 1.434617 | 28.85812 | 55.30796 | .5732131 | .4108295 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0269626 | -.002762 | .6247980 | .0057352 | .0013543 | 35.31752 | .4438518 |
| #2 | .0286189 | -.003477 | .6255138 | .0031562 | .0015008 | 34.91815 | .4433885 |
| #3 | .0349146 | -.006447 | .6408074 | .0051309 | .0034308 | 35.07487 | .4404965 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041841 | .0307505 | 13.74054 | .0663074 | .0262098 | .0350515 | 69.91380 |
| Stddev | .0000406 | .0001474 | .02622   | .0009439 | .0002201 | .0017536 | .77536   |
| %RSD   | .9714646 | .4792815 | .1908220 | 1.423506 | .8396658 | 5.003022 | 1.109024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0041372 | .0307340 | 13.71082 | .0661651 | .0262462 | .0358639 | 70.65522 |
| #2 | .0042069 | .0306121 | 13.75037 | .0673144 | .0259738 | .0362516 | 69.10846 |
| #3 | .0042082 | .0309055 | 13.76043 | .0654427 | .0264094 | .0330390 | 69.97774 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6240491 | 2.844399 | .0377001 | -.003470 | -.267981 | .1756742 | 2.604091 |
| Stddev | .0099155 | .023295  | .0003139 | .000216  | .190426  | .0038182 | .003557  |
| %RSD   | 1.588895 | .8189899 | .8326454 | 6.233703 | 71.05958 | 2.173434 | .1365871 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6354165 | 2.860973 | .0380618 | -.003246 | -.359491 | .1800105 | 2.607432 |
| #2 | .6195498 | 2.817764 | .0375398 | -.003678 | -.049074 | .1728165 | 2.604490 |
| #3 | .6171810 | 2.854459 | .0374986 | -.003487 | -.395378 | .1741955 | 2.600352 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.555682 | 1.605202 | .0885725 | .0024397 | 1.440446 | 1.598851 | .0027904 |
| Stddev | .087517  | .009569  | .0018307 | .0001532 | .006588  | .009462  | .0008748 |
| %RSD   | 5.625655 | .5961281 | 2.066953 | 6.277421 | .4573689 | .5917868 | 31.34955 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.652039 | 1.596466 | .0904198 | .0025976 | 1.436291 | 1.602165 | .0037657 |
| #2 | 1.533883 | 1.603711 | .0867587 | .0022918 | 1.437005 | 1.588178 | .0025306 |
| #3 | 1.481125 | 1.615429 | .0885391 | .0024295 | 1.448042 | 1.606211 | .0020750 |

Sample Name: K1337-19      Acquired: 02/13/2019 12:31:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1128016 | .0169564 | .0455378 |
| Stddev | .0024728 | .0004095 | .0001592 |
| %RSD   | 2.192146 | 2.415134 | .3495867 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1156564 | .0165012 | .0454867 |
| #2 | .1113290 | .0170732 | .0454105 |
| #3 | .1114193 | .0172949 | .0457163 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1382.427 | 2574.901 | 29148.97 | 3734.361 | 2972.874 |
| Stddev    | 6.372    | 6.105    | 37.97    | 17.356   | 14.757   |
| %RSD      | .4608960 | .2370986 | .1302502 | .4647776 | .4963985 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1384.903 | 2578.949 | 29112.20 | 3716.836 | 2984.797 |
| #2 | 1375.189 | 2577.874 | 29146.70 | 3751.544 | 2977.456 |
| #3 | 1387.188 | 2567.878 | 29188.03 | 3734.702 | 2956.369 |

Sample Name: K1337-20      Acquired: 02/13/2019 12:35:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGA FY4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0422533 | .0001678 | .2491537 | .0046990 | .0037417 | 104.5174 | 1.809854 |
| Stddev | .0017978 | .0048368 | .0004860 | .0032226 | .0013491 | .3938    | .001521  |
| %RSD   | 4.254812 | 2882.683 | .1950473 | 68.58082 | 36.05696 | .3767969 | .0840167 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0409010 | -.000572 | .2495917 | .0016440 | .0031480 | 104.2471 | 1.808678 |
| #2 | .0442935 | .005332  | .2492386 | .0043866 | .0027912 | 104.9693 | 1.809313 |
| #3 | .0415655 | -.004257 | .2486309 | .0080665 | .0052858 | 104.3359 | 1.811571 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0097965 | .0009934 | 19.78528 | .1415027 | .0489254 | .0811788 | 145.2570 |
| Stddev | .0000665 | .0001214 | .06161   | .0007891 | .0002636 | .0026230 | 1.4181   |
| %RSD   | .6787490 | 12.21683 | .3114114 | .5576516 | .5386933 | 3.231143 | .9762753 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0097871 | .0008911 | 19.82684 | .1406184 | .0492288 | .0793798 | 144.6398 |
| #2 | .0098671 | .0011275 | 19.81452 | .1417545 | .0487942 | .0841885 | 146.8791 |
| #3 | .0097351 | .0009616 | 19.71450 | .1421351 | .0487532 | .0799681 | 144.2521 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4700895 | 6.280045 | .1059109 | -.007702 | 1.327936 | .2802566 | .1188993 |
| Stddev | .0058002 | .094024  | .0010701 | .000167  | .027899  | .0041674 | .0027073 |
| %RSD   | 1.233857 | 1.497187 | 1.010365 | 2.173760 | 2.100928 | 1.486989 | 2.277013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4738258 | 6.252424 | .1061305 | -.007631 | 1.329722 | .2754986 | .1160862 |
| #2 | .4730351 | 6.384786 | .1047481 | -.007893 | 1.299186 | .2820125 | .1214868 |
| #3 | .4634075 | 6.202925 | .1068542 | -.007581 | 1.354898 | .2832587 | .1191248 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.758977 | .8353661 | .1816860 | .0035458 | 4.729802 | 1.160835 | .0052306 |
| Stddev | .025521  | .0088447 | .0031212 | .0003129 | .014662  | .008800  | .0003217 |
| %RSD   | .6789303 | 1.058785 | 1.717929 | 8.824130 | .3099968 | .7580772 | 6.150791 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.777449 | .8278984 | .1810125 | .0035261 | 4.729140 | 1.154549 | .0055039 |
| #2 | 3.769626 | .8330663 | .1850890 | .0038681 | 4.715482 | 1.170892 | .0053119 |
| #3 | 3.729856 | .8451335 | .1789565 | .0032433 | 4.744784 | 1.157064 | .0048761 |



Sample Name: K1337-20      Acquired: 02/13/2019 12:35:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFY4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1126630 | .0608318 | .1581865 |
| Stddev | .0024581 | .0014041 | .0002806 |
| %RSD   | 2.181850 | 2.308127 | .1773985 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1098368 | .0616850 | .1581062 |
| #2 | .1138478 | .0615991 | .1584985 |
| #3 | .1143043 | .0592113 | .1579548 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1471.992 | 2744.987 | 31169.88 | 4022.177 | 2926.442 |
| Stddev    | 2.708    | 4.435    | 58.81    | 39.628   | 5.000    |
| %RSD      | .1839859 | .1615745 | .1886770 | .9852381 | .1708527 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1470.639 | 2748.862 | 31183.81 | 4059.836 | 2922.798 |
| #2 | 1475.110 | 2745.950 | 31220.47 | 3980.836 | 2932.142 |
| #3 | 1470.226 | 2740.149 | 31105.35 | 4025.858 | 2924.387 |

Sample Name: K1337-21      Acquired: 02/13/2019 12:40:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0412068 | -.005085 | .0650968 | .0017928 | .0022076 | 97.44348 | 1.060915 |
| Stddev | .0026616 | .003279  | .0008005 | .0019909 | .0018455 | .27014   | .004334  |
| %RSD   | 6.459235 | 64.47724 | 1.229774 | 111.0518 | 83.59470 | .2772262 | .4084739 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0412735 | -.005696 | .0647900 | -.000494 | .0023216 | 97.70331 | 1.058931 |
| #2 | .0385124 | -.008015 | .0644950 | .003139  | .0003078 | 97.16409 | 1.065885 |
| #3 | .0438344 | -.001544 | .0660054 | .002733  | .0039935 | 97.46305 | 1.057928 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0092506 | .0015008 | 15.16478 | .2060160 | .0971059 | .1210114 | 148.9682 |
| Stddev | .0000425 | .0000805 | .01923   | .0010686 | .0005863 | .0031942 | 1.1793   |
| %RSD   | .4590482 | 5.365758 | .1268005 | .5187127 | .6037590 | 2.639541 | .7916194 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0092037 | .0014187 | 15.14657 | .2061844 | .0971641 | .1189787 | 150.1121 |
| #2 | .0092615 | .0015039 | 15.18488 | .2048732 | .0964927 | .1193626 | 147.7565 |
| #3 | .0092865 | .0015797 | 15.16288 | .2069904 | .0976609 | .1246931 | 149.0358 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3280085 | 17.14347 | .4376863 | -.009253 | -.133558 | .1522636 | .2234409 |
| Stddev | .0019640 | .21445   | .0025550 | .000086  | .196880  | .0019266 | .0111813 |
| %RSD   | .5987641 | 1.250912 | .5837470 | .9327733 | 147.4118 | 1.265296 | 5.004159 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3271292 | 17.20891 | .4363666 | -.009155 | .027953  | .1501717 | .2239635 |
| #2 | .3266377 | 16.90393 | .4360610 | -.009317 | -.075758 | .1526539 | .2120074 |
| #3 | .3302585 | 17.31758 | .4406312 | -.009287 | -.352868 | .1539652 | .2343518 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.243988 | .9758503 | .1888063 | .0010850 | 1.536486 | 1.803920 | .0048744 |
| Stddev | .080391  | .0086115 | .0014677 | .0001112 | .004034  | .006659  | .0014392 |
| %RSD   | .8696607 | .8824650 | .7773764 | 10.25063 | .2625636 | .3691477 | 29.52515 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.331817 | .9782892 | .1898095 | .0010350 | 1.535083 | 1.810900 | .0036908 |
| #2 | 9.226102 | .9662824 | .1871217 | .0010075 | 1.533341 | 1.797637 | .0064765 |
| #3 | 9.174047 | .9829794 | .1894876 | .0012124 | 1.541035 | 1.803222 | .0044560 |

Sample Name: K1337-21      Acquired: 02/13/2019 12:40:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0664097 | .2249247 | .1729795 |
| Stddev | .0010592 | .0016132 | .0006288 |
| %RSD   | 1.594958 | .7172257 | .3635038 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0671702 | .2266788 | .1722980 |
| #2 | .0668590 | .2235046 | .1735372 |
| #3 | .0651999 | .2245907 | .1731034 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1660.250 | 3085.939 | 35228.53 | 4535.342 | 2910.723 |
| Stddev    | 2.749    | 10.710   | 256.73   | 27.739   | 10.009   |
| %RSD      | .1655722 | .3470641 | .7287536 | .6116132 | .3438610 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1657.169 | 3092.336 | 34932.95 | 4507.747 | 2911.647 |
| #2 | 1661.132 | 3091.906 | 35356.63 | 4563.222 | 2920.237 |
| #3 | 1662.450 | 3073.574 | 35395.99 | 4535.056 | 2900.284 |

Sample Name: K1339-01      Acquired: 02/13/2019 12:44:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0974023 | -.005396 | .1047863 | .0050541 | .0091307 | 113.0698 | 13.83983 |
| Stddev | .0016507 | .005653  | .0007596 | .0010264 | .0010565 | .4733    | .02285   |
| %RSD   | 1.694701 | 104.7576 | .7248725 | 20.30881 | 11.57118 | .4186231 | .1651193 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0965288 | -.005112 | .1053310 | .0040454 | .0099348 | 112.5716 | 13.81816 |
| #2 | .0963720 | -.011185 | .1039186 | .0050195 | .0079341 | 113.1242 | 13.83763 |
| #3 | .0993062 | .000110  | .1051092 | .0060974 | .0095231 | 113.5136 | 13.86371 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0151194 | .0036787 | 15.68086 | .2548521 | .1483214 | .2056071 | 329.8120 |
| Stddev | .0001317 | .0001374 | .07998   | .0001135 | .0007847 | .0017254 | 3.1661   |
| %RSD   | .8711776 | 3.734848 | .5100248 | .0445349 | .5290445 | .8391553 | .9599770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0151458 | .0038353 | 15.60079 | .2549582 | .1489859 | .2070483 | 326.1929 |
| #2 | .0152359 | .0035783 | 15.76074 | .2547324 | .1485226 | .2060779 | 331.1734 |
| #3 | .0149765 | .0036226 | 15.68104 | .2548657 | .1474557 | .2036953 | 332.0697 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4914535 | 20.63437 | .6166981 | -.020769 | -.130272 | .2220053 | .3504914 |
| Stddev | .0048554 | .17156   | .0017473 | .000177  | .327399  | .0066884 | .0211622 |
| %RSD   | .9879615 | .8314174 | .2833284 | .8510574 | 251.3196 | 3.012711 | 6.037858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4862301 | 20.44517 | .6163889 | -.020971 | .246912  | .2276760 | .3729374 |
| #2 | .4958292 | 20.77981 | .6185793 | -.020647 | -.340978 | .2146293 | .3309035 |
| #3 | .4923011 | 20.67814 | .6151260 | -.020688 | -.296749 | .2237105 | .3476332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.886167 | 1.087109 | .4147447 | .0019181 | 5.792245 | 1.803435 | .0076720 |
| Stddev | .029659  | .005998  | .0097562 | .0002493 | .029557  | .012247  | .0017715 |
| %RSD   | .3000080 | .5517722 | 2.352331 | 12.99810 | .5102866 | .6790900 | 23.09076 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.861551 | 1.093490 | .4042623 | .0018061 | 5.818383 | 1.802227 | .0081219 |
| #2 | 9.877855 | 1.086249 | .4164119 | .0022038 | 5.798181 | 1.816241 | .0091752 |
| #3 | 9.919096 | 1.081587 | .4235598 | .0017444 | 5.760170 | 1.791836 | .0057189 |

Sample Name: K1339-01      Acquired: 02/13/2019 12:44:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0934444 | .2590296 | .1963787 |
| Stddev | .0026265 | .0004420 | .0004967 |
| %RSD   | 2.810773 | .1706228 | .2529519 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0917330 | .2586003 | .1959178 |
| #2 | .0921316 | .2594833 | .1969048 |
| #3 | .0964685 | .2590053 | .1963137 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1578.270 | 2932.468 | 33530.10 | 4295.307 | 2848.972 |
| Stddev    | 8.141    | 3.594    | 154.13   | 23.296   | 3.207    |
| %RSD      | .5158281 | .1225512 | .4596864 | .5423479 | .1125765 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1568.872 | 2932.418 | 33427.06 | 4284.688 | 2849.627 |
| #2 | 1582.804 | 2928.899 | 33707.29 | 4279.214 | 2845.488 |
| #3 | 1583.135 | 2936.086 | 33455.94 | 4322.020 | 2851.801 |

Sample Name: K1339-04      Acquired: 02/13/2019 12:56:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFY9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1068296 | .0029861 | 1.083561 | .0087030 | .0094251 | 57.54082 | .6573543 |
| Stddev | .0042253 | .0046310 | .000605  | .0012656 | .0004585 | .23190   | .0027956 |
| %RSD   | 3.955157 | 155.0832 | .0558767 | 14.54194 | 4.864784 | .4030233 | .4252812 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1099941 | .0028864 | 1.083958 | .0100250 | .0094603 | 57.63568 | .6599618 |
| #2 | .1020314 | .0076661 | 1.082864 | .0085813 | .0098650 | 57.71026 | .6576988 |
| #3 | .1084632 | -.001594 | 1.083861 | .0075026 | .0089500 | 57.27653 | .6544025 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0102740 | .0324324 | 8.579891 | .2364364 | .0343185 | .6633245 | 281.3986 |
| Stddev | .0001319 | .0002360 | .015797  | .0014655 | .0004467 | .0042422 | .1856    |
| %RSD   | 1.283631 | .7278195 | .1841116 | .6198054 | 1.301773 | .6395411 | .0659506 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0101979 | .0321789 | 8.563315 | .2347603 | .0338513 | .6643421 | 281.3673 |
| #2 | .0104263 | .0324724 | 8.594771 | .2370731 | .0343629 | .6669654 | 281.2306 |
| #3 | .0101979 | .0326459 | 8.581587 | .2374758 | .0347415 | .6586660 | 281.5978 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.059017 | 3.158646 | .0763967 | -.016079 | -.521213 | .3515459 | 5.630891 |
| Stddev | .006457  | .074232  | .0007328 | .000315  | .335506  | .0091719 | .043424  |
| %RSD   | .6097131 | 2.350131 | .9591525 | 1.956442 | 64.37028 | 2.609016 | .7711768 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.066468 | 3.242891 | .0759041 | -.015722 | -.506429 | .3541515 | 5.609011 |
| #2 | 1.055069 | 3.102831 | .0772388 | -.016197 | -.193343 | .3591331 | 5.602759 |
| #3 | 1.055513 | 3.130215 | .0760473 | -.016317 | -.863866 | .3413531 | 5.680903 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.421767 | 5.731053 | .3534507 | .0075116 | 4.334487 | 6.032433 | .0067840 |
| Stddev | .127163  | .011545  | .0049018 | .0001059 | .011049  | .026882  | .0015558 |
| %RSD   | 3.716294 | .2014458 | 1.386852 | 1.409758 | .2549096 | .4456166 | 22.93356 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.494129 | 5.729803 | .3505670 | .0075191 | 4.324988 | 6.049065 | .0076483 |
| #2 | 3.496236 | 5.720183 | .3506747 | .0074021 | 4.331861 | 6.046813 | .0077159 |
| #3 | 3.274937 | 5.743172 | .3591106 | .0076135 | 4.346613 | 6.001420 | .0049880 |

Sample Name: K1339-04      Acquired: 02/13/2019 12:56:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2849802 | .0267602 | .0739453 |
| Stddev | .0029272 | .0007812 | .0002565 |
| %RSD   | 1.027174 | 2.919237 | .3468505 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2840648 | .0258720 | .0742405 |
| #2 | .2826200 | .0270678 | .0737769 |
| #3 | .2882557 | .0273408 | .0738185 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1361.558 | 2524.717 | 28857.89 | 3696.122 | 2961.396 |
| Stddev    | 4.139    | 7.933    | 83.06    | 31.959   | 7.787    |
| %RSD      | .3040255 | .3142329 | .2878312 | .8646659 | .2629475 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1360.860 | 2531.623 | 28855.90 | 3693.837 | 2966.980 |
| #2 | 1357.811 | 2526.478 | 28775.85 | 3665.367 | 2964.708 |
| #3 | 1366.002 | 2516.051 | 28941.94 | 3729.162 | 2952.501 |

Sample Name: K1339-08      Acquired: 02/13/2019 13:00:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0579664 | .0000244 | 3.324080 | .0065291 | .0006144 | 20.87030 |
| Stddev | .0015929 | .0021135 | .019378  | .0022456 | .0010903 | .06765   |
| %RSD   | 2.747966 | 8647.773 | .5829659 | 34.39332 | 177.4575 | .3241406 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0588393 | .0011133 | 3.314392 | .0039426 | -.000240 | 20.87264 |
| #2 | .0589320 | .0013715 | 3.311457 | .0076644 | .000241  | 20.80151 |
| #3 | .0561279 | -.002412 | 3.346392 | .0079803 | .001842  | 20.93675 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3622632 | .0041640 | .4298036 | 24.53003 | .0684126 | .0395603 |
| Stddev | .0006066 | .0001276 | .0025863 | .02178   | .0003059 | .0004329 |
| %RSD   | .1674524 | 3.065040 | .6017336 | .0887900 | .4471943 | 1.094201 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3629417 | .0041921 | .4287584 | 24.52914 | .0680976 | .0396947 |
| #2 | .3620747 | .0040246 | .4279035 | 24.50872 | .0687086 | .0390762 |
| #3 | .3617732 | .0042752 | .4327489 | 24.55225 | .0684316 | .0399101 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4145821 | 101.3637 | 2.014105 | 3.951691 | .0801488 | -.004372 |
| Stddev | .0043771 | .4975    | .010575  | .117340  | .0003264 | .000286  |
| %RSD   | 1.055797 | .4908399 | .5250477 | 2.969369 | .4072369 | 6.538612 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4106141 | 100.8423 | 2.002620 | 3.825964 | .0798439 | -.004497 |
| #2 | .4192773 | 101.4154 | 2.023440 | 3.970815 | .0801095 | -.004574 |
| #3 | .4138550 | 101.8334 | 2.016255 | 4.058295 | .0804931 | -.004045 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.306592 | .0844741 | F 56.03708 | 4.484470 | 7.652095 | .1350404 |
| Stddev | .212943  | .0063125 | .06430     | .003949  | .048971  | .0016707 |
| %RSD   | 69.45488 | 7.472744 | .1147406   | .0880532 | .6399680 | 1.237186 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.387245 | .0793542 | 56.11102 | 4.481809 | 7.631031 | .1332684 |
| #2 | -.467428 | .0825409 | 55.99432 | 4.482594 | 7.617181 | .1365869 |
| #3 | -.065104 | .0915272 | 56.00589 | 4.489007 | 7.708074 | .1352659 |



Sample Name: K1339-08      Acquired: 02/13/2019 13:00:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070525 | 25.79576 | 3.366137 | .0130356 | .1425624 | .0105152 |
| Stddev | .0001553 | .18086   | .012277  | .0015885 | .0010194 | .0001745 |
| %RSD   | 2.202630 | .7011354 | .3647253 | 12.18565 | .7150791 | 1.659868 |
| #1     | .0072115 | 25.74507 | 3.352336 | .0136590 | .1432336 | .0105990 |
| #2     | .0069011 | 25.64564 | 3.375844 | .0142179 | .1413893 | .0103145 |
| #3     | .0070450 | 25.99656 | 3.370232 | .0112300 | .1430642 | .0106320 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0708224 |
| Stddev | .0002187 |
| %RSD   | .3087335 |
| #1     | .0706056 |
| #2     | .0710428 |
| #3     | .0708187 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1372.018 | 2543.727 | 28973.77 | 3753.067 | 2975.932 |
| Stddev    | 5.070    | 10.000   | 105.41   | 1.434    | 11.226   |
| %RSD      | .3695092 | .3931309 | .3638231 | .0382097 | .3772157 |
| #1        | 1366.301 | 2548.150 | 28914.55 | 3754.075 | 2980.900 |
| #2        | 1375.964 | 2550.753 | 29095.48 | 3753.700 | 2983.816 |
| #3        | 1373.791 | 2532.278 | 28911.29 | 3751.425 | 2963.079 |

Sample Name: K1339-10      Acquired: 02/13/2019 13:08:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0753272 | -.001063 | 7.016769 | .0046578 | -.006622 | 18.37647 |
| Stddev | .0024186 | .001034  | .034509  | .0012307 | .002183  | .07416   |
| %RSD   | 3.210806 | 97.20663 | .4918026 | 26.42206 | 32.96985 | .4035361 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0739217 | .000126  | 6.988952 | .0034106 | -.009125 | 18.45938 |
| #2 | .0781200 | -.001568 | 7.005969 | .0046915 | -.005627 | 18.31648 |
| #3 | .0739400 | -.001748 | 7.055386 | .0058713 | -.005113 | 18.35354 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2096662 | .0029544 | 1.130136 | 238.1982 | .0501855 | .0281253 |
| Stddev | .0009032 | .0000289 | .004756  | .3357    | .0009258 | .0002145 |
| %RSD   | .4307849 | .9778918 | .4208418 | .1409365 | 1.844744 | .7626900 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2100412 | .0029382 | 1.127588 | 238.4725 | .0501071 | .0283018 |
| #2 | .2103215 | .0029371 | 1.127195 | 238.2983 | .0493015 | .0278866 |
| #3 | .2086359 | .0029877 | 1.135623 | 237.8238 | .0511481 | .0281877 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3927133 | 88.25352 | 1.015328 | 7.765070 | .0746135 | -.004117 |
| Stddev | .0040359 | .35610   | .012759  | .113951  | .0005265 | .000354  |
| %RSD   | 1.027701 | .4034963 | 1.256667 | 1.467486 | .7056748 | 8.587884 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3959575 | 88.59231 | 1.030044 | 7.881022 | .0741181 | -.003761 |
| #2 | .3881938 | 88.28593 | 1.008592 | 7.653231 | .0745560 | -.004123 |
| #3 | .3939887 | 87.88233 | 1.007350 | 7.760956 | .0751664 | -.004468 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.231532 | .0913729 | F 146.3906 | 2.700868 | 4.156430 | .1163050 |
| Stddev | .277246  | .0081363 | 1.7784     | .052756  | .034933  | .0018884 |
| %RSD   | 119.7443 | 8.904549 | 1.214828   | 1.953299 | .8404647 | 1.623650 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.505007 | .0825967 | 147.0853 | 2.643568 | 4.137409 | .1184783 |
| #2 | -.238926 | .0928568 | 147.7168 | 2.747427 | 4.135136 | .1150643 |
| #3 | .049337  | .0986651 | 144.3697 | 2.711607 | 4.196746 | .1153725 |

Sample Name: K1339-10      Acquired: 02/13/2019 13:08:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0053891 | 58.02924 | 2.443570 | .0125452 | .1005255 | .0153429 |
| Stddev | .0002715 | .46623   | .014398  | .0020379 | .0011791 | .0005504 |
| %RSD   | 5.038677 | .8034368 | .5892083 | 16.24414 | 1.172940 | 3.587483 |
|        |          |          |          |          |          |          |
| #1     | .0055708 | 57.89098 | 2.437398 | .0104812 | .0997516 | .0147853 |
| #2     | .0050770 | 57.64778 | 2.433288 | .0125986 | .0999424 | .0153576 |
| #3     | .0055196 | 58.54896 | 2.460025 | .0145559 | .1018826 | .0158858 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1381387 |
| Stddev | .0002689 |
| %RSD   | .1946582 |
|        |          |
| #1     | .1380693 |
| #2     | .1384355 |
| #3     | .1379113 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1302.237 | 2409.761 | 27968.46 | 3607.777 | 2800.553 |
| Stddev    | 7.793    | 3.351    | 73.63    | 14.501   | 2.538    |
| %RSD      | .5984030 | .1390779 | .2632527 | .4019456 | .0906380 |
|           |          |          |          |          |          |
| #1        | 1305.520 | 2413.630 | 27994.48 | 3607.662 | 2803.435 |
| #2        | 1293.340 | 2407.880 | 27885.36 | 3622.335 | 2799.573 |
| #3        | 1307.851 | 2407.772 | 28025.55 | 3593.333 | 2798.651 |

Sample Name: K1339-09      Acquired: 02/13/2019 13:04:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0550581 | .0002514 | 1.638635 | .0049739 | .0011614 | 53.56256 |
| Stddev | .0018116 | .0029847 | .008281  | .0030935 | .0010526 | .08636   |
| %RSD   | 3.290321 | 1187.339 | .5053699 | 62.19421 | 90.62900 | .1612252 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0531151 | .0010730 | 1.631697 | .0062203 | .0017195 | 53.47643 |
| #2 | .0553584 | .0027393 | 1.636405 | .0072498 | -.000053 | 53.56211 |
| #3 | .0567007 | -.003058 | 1.647803 | .0014517 | .001817  | 53.64914 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9660004 | .0063442 | .4210527 | 27.03657 | .0853010 | .0970339 |
| Stddev | .0011303 | .0000738 | .0016134 | .04678   | .0008794 | .0006315 |
| %RSD   | .1170108 | 1.163705 | .3831851 | .1730335 | 1.030900 | .6508120 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9671312 | .0062719 | .4196155 | 27.06606 | .0859028 | .0964162 |
| #2 | .9659996 | .0063411 | .4207447 | 27.06102 | .0857084 | .0970070 |
| #3 | .9648705 | .0064195 | .4227979 | 26.98263 | .0842918 | .0976784 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1923427 | 118.3312 | 6.343285 | 4.986375 | .0791987 | -.005376 |
| Stddev | .0032759 | .5753    | .030759  | .050549  | .0005764 | .000377  |
| %RSD   | 1.703141 | .4861827 | .4849138 | 1.013749 | .7277593 | 7.006133 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1885747 | 117.6714 | 6.312025 | 4.928335 | .0787049 | -.004951 |
| #2 | .1945143 | 118.7283 | 6.344312 | 5.020755 | .0798320 | -.005669 |
| #3 | .1939392 | 118.5939 | 6.373518 | 5.010035 | .0790592 | -.005508 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.387330 | .2437154 | F 42.38330 | 2.727252 | 2.144802 | .1468130 |
| Stddev | .029886  | .0034490 | .57762     | .069755  | .010272  | .0016988 |
| %RSD   | 7.715802 | 1.415168 | 1.362839   | 2.557721 | .4789200 | 1.157083 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.421451 | .2419553 | 43.02322 | 2.651329 | 2.136481 | .1458206 |
| #2 | -.374734 | .2415015 | 41.90051 | 2.788508 | 2.141644 | .1458438 |
| #3 | -.365803 | .2476893 | 42.22616 | 2.741918 | 2.156283 | .1487745 |

Sample Name: K1339-09      Acquired: 02/13/2019 13:04:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030598 | 7.837109 | 2.474533 | .0239815 | .1172186 | .0202795 |
| Stddev | .0003754 | .025075  | .034855  | .0011175 | .0020945 | .0005142 |
| %RSD   | 12.26835 | .3199482 | 1.408563 | 4.659941 | 1.786828 | 2.535750 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0034224 | 7.818433 | 2.434884 | .0231479 | .1156521 | .0205204 |
| #2 | .0026728 | 7.827285 | 2.488368 | .0252514 | .1195976 | .0196891 |
| #3 | .0030842 | 7.865608 | 2.500346 | .0235453 | .1164060 | .0206291 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0561770 |
| Stddev | .0000891 |
| %RSD   | .1585739 |

|    |          |
|----|----------|
| #1 | .0561908 |
| #2 | .0560818 |
| #3 | .0562583 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.787 | 2632.314 | 29992.60 | 3866.137 | 2957.584 |
| Stddev    | 8.103    | 11.560   | 199.06   | 36.729   | 15.458   |
| %RSD      | .5691462 | .4391743 | .6636925 | .9500165 | .5226670 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1414.537 | 2626.501 | 29795.25 | 3906.524 | 2965.240 |
| #2 | 1427.189 | 2645.627 | 29989.22 | 3834.733 | 2967.720 |
| #3 | 1429.635 | 2624.813 | 30193.33 | 3857.154 | 2939.792 |

Sample Name: CCB006      Acquired: 02/13/2019 13:16:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB006      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001998 | .0002291 | .0011283 | .0001784 | -.000462 | -.005680 | -.003105 |
| Stddev | .002275  | .0008190 | .0003968 | .0005777 | .000531  | .012192  | .000739  |
| %RSD   | 113.8902 | 357.4703 | 35.16468 | 323.8040 | 114.8361 | 214.6429 | 23.78917 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001507 | .0001788 | .0011116 | .0008415 | .000150  | -.002632 | -.003903 |
| #2 | -.004478 | .0010721 | .0007402 | -.000090 | -.000736 | -.019108 | -.002445 |
| #3 | -.000008 | -.000564 | .0015332 | -.000217 | -.000801 | .004698  | -.002967 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000019 | .0000064 | -.013394 | .0001459 | .0000174 | -.000732 | -.007796 |
| Stddev | .000010  | .0000240 | .013773  | .0003263 | .0001644 | .004414  | .020121  |
| %RSD   | 52.99429 | 374.1803 | 102.8323 | 223.6472 | 943.8560 | 602.5859 | 258.0964 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000012 | .0000094 | -.029245 | -.000070 | .0001218 | .000895  | -.029752 |
| #2 | -.000030 | -.000019 | -.006591 | .000521  | -.000172 | -.005729 | .009762  |
| #3 | -.000014 | .000029  | -.004345 | -.000014 | .000103  | .002636  | -.003398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017497 | -.018276 | .0001053 | .0009628 | -.100849 | -.012458 | .0123267 |
| Stddev | .0004201 | .099693  | .0003717 | .0000919 | .188317  | .005866  | .0042967 |
| %RSD   | 24.00930 | 545.4827 | 353.1350 | 9.547303 | 186.7319 | 47.08337 | 34.85702 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013652 | .096835  | .0002741 | .0008569 | -.231575 | -.006118 | .0081014 |
| #2 | .0021981 | -.075037 | -.000321 | .0010212 | .115001  | -.017692 | .0166915 |
| #3 | .0016859 | -.076626 | .000363  | .0010104 | -.185972 | -.013564 | .0121873 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.257775 | -.004504 | .0031545 | .0000653 | -.005831 | -.002909 | -.001552 |
| Stddev | .051007  | .000851  | .0006290 | .0004008 | .001527  | .000649  | .000147  |
| %RSD   | 19.78739 | 18.90353 | 19.94083 | 613.8999 | 26.18578 | 22.31679 | 9.489267 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.316624 | -.003540 | .0034815 | -.000045 | -.004089 | -.003142 | -.001483 |
| #2 | -.226265 | -.004820 | .0024293 | -.000269 | -.006468 | -.003409 | -.001453 |
| #3 | -.230437 | -.005153 | .0035526 | .000510  | -.006936 | -.002175 | -.001721 |

Sample Name: CCB006      Acquired: 02/13/2019 13:16:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB006      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001245 | .0007370 | -.000175 |
| Stddev | .001141  | .0021087 | .000066  |
| %RSD   | 91.62987 | 286.1387 | 37.84199 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001087 | -.001561 | -.000196 |
| #2 | -.002457 | .001189  | -.000101 |
| #3 | -.000191 | .002583  | -.000228 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1246.378 | 2288.996 | 26093.37 | 3307.408 | 2977.243 |
| Stddev    | 5.973    | 2.322    | 101.44   | 11.995   | 5.952    |
| %RSD      | .4792464 | .1014240 | .3887680 | .3626835 | .1999031 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1251.046 | 2291.594 | 26101.69 | 3320.725 | 2979.308 |
| #2 | 1239.646 | 2287.126 | 25988.02 | 3304.050 | 2981.887 |
| #3 | 1248.440 | 2288.268 | 26190.39 | 3297.450 | 2970.534 |

Sample Name: CCV006      Acquired: 02/13/2019 13:12:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV006      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.903771 | 4.853076 | 23.89121 | 5.140251 | 5.174567 | 394.8503 | 9.692502 |
| Stddev | .032269  | .029691  | .12242   | .037037  | .029780  | 2.5900   | .044858  |
| %RSD   | .6580384 | .6117903 | .5124049 | .7205269 | .5755046 | .6559351 | .4628082 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.896633 | 4.865042 | 23.90582 | 5.134198 | 5.164610 | 396.5210 | 9.712930 |
| #2 | 4.875669 | 4.819269 | 23.76214 | 5.106614 | 5.151042 | 396.1630 | 9.723510 |
| #3 | 4.939011 | 4.874916 | 24.00567 | 5.179942 | 5.208050 | 391.8668 | 9.641066 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5039269 | 2.480203 | 380.0879 | 15.16700 | 2.486018 | 14.95563 | 420.1949 |
| Stddev | .0041167 | .015287  | 1.3610   | .01891   | .013409  | .07997   | 3.2752   |
| %RSD   | .8169277 | .6163635 | .3580677 | .1246859 | .5393565 | .5347401 | .7794568 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5086691 | 2.479792 | 380.8938 | 15.15106 | 2.485744 | 14.96300 | 420.5698 |
| #2 | .5018400 | 2.465125 | 380.8533 | 15.18790 | 2.472748 | 15.03166 | 423.2665 |
| #3 | .5012716 | 2.495691 | 378.5166 | 15.16204 | 2.499560 | 14.87223 | 416.7483 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.81241 | 413.9484 | 2.464147 | 1.207050 | 403.4924 | 2.498584 | 15.84523 |
| Stddev | .16830   | 3.5883   | .011905  | .001347  | 2.8529   | .025338  | .13473   |
| %RSD   | 1.136227 | .8668411 | .4831202 | .1115907 | .7070593 | 1.014109 | .8502936 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.88215 | 413.7578 | 2.463902 | 1.205982 | 405.7187 | 2.522262 | 15.71504 |
| #2 | 14.93463 | 417.6282 | 2.452366 | 1.206606 | 404.4821 | 2.501630 | 15.98408 |
| #3 | 14.62045 | 410.4593 | 2.476172 | 1.208563 | 400.2764 | 2.471860 | 15.83656 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.0051 | 4.881831 | 5.200200 | 5.153495 | 4.642209 | 4.911942 | 4.969532 |
| Stddev | .4729    | .040557  | .035189  | .035334  | .022564  | .034353  | .031767  |
| %RSD   | .3131441 | .8307766 | .6766878 | .6856411 | .4860642 | .6993786 | .6392423 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 151.2913 | 4.886470 | 5.239407 | 5.137149 | 4.634029 | 4.951599 | 4.961416 |
| #2 | 151.2646 | 4.839154 | 5.189837 | 5.129293 | 4.624876 | 4.891344 | 4.942611 |
| #3 | 150.4593 | 4.919869 | 5.171356 | 5.194043 | 4.667722 | 4.892882 | 5.004571 |



Sample Name: CCV006      Acquired: 02/13/2019 13:12:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV006      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.837662 | 5.041392 | 4.938790 |
| Stddev | .028960  | .028643  | .010832  |
| %RSD   | .5986435 | .5681468 | .2193236 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.861461 | 5.049805 | 4.944561 |
| #2 | 4.846108 | 5.064885 | 4.945515 |
| #3 | 4.805418 | 5.009485 | 4.926295 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1040.857 | 1936.872 | 24063.11 | 3162.301 | 2388.208 |
| Stddev    | 5.478    | 9.857    | 127.00   | 19.847   | 11.696   |
| %RSD      | .5262869 | .5089048 | .5277831 | .6276270 | .4897417 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1041.889 | 1938.963 | 24166.38 | 3140.613 | 2384.975 |
| #2 | 1034.937 | 1945.515 | 23921.30 | 3166.733 | 2401.181 |
| #3 | 1045.746 | 1926.137 | 24101.64 | 3179.558 | 2378.470 |

Sample Name: K1339-11      Acquired: 02/13/2019 13:20:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0439469 | -.000103 | 5.296410 | .0067378 | -.001629 | 33.75836 |
| Stddev | .0019117 | .000604  | .016788  | .0020950 | .001266  | .15627   |
| %RSD   | 4.350022 | 584.8002 | .3169615 | 31.09292 | 77.75912 | .4629098 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0453493 | -.000739 | 5.289554 | .0049005 | -.000170 | 33.93807 |
| #2 | .0447220 | .000464  | 5.284134 | .0062936 | -.002270 | 33.68256 |
| #3 | .0417693 | -.000034 | 5.315540 | .0090192 | -.002446 | 33.65444 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6321370 | .0047062 | .3535670 | 15.71457 | .0901428 | .0150218 |
| Stddev | .0006923 | .0000541 | .0015189 | .02708   | .0002406 | .0000774 |
| %RSD   | .1095181 | 1.148906 | .4295928 | .1723252 | .2668927 | .5151310 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6326057 | .0047632 | .3527956 | 15.69916 | .0904172 | .0151101 |
| #2 | .6324636 | .0046997 | .3525885 | 15.74584 | .0899677 | .0149893 |
| #3 | .6313419 | .0046556 | .3553168 | 15.69872 | .0900436 | .0149660 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2511486 | 81.53239 | .2607090 | 3.372645 | .0801206 | -.003576 |
| Stddev | .0024695 | .50285   | .0031536 | .045034  | .0002669 | .000268  |
| %RSD   | .9832757 | .6167465 | 1.209639 | 1.335276 | .3331701 | 7.506956 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2527250 | 82.11066 | .2642413 | 3.405746 | .0800120 | -.003375 |
| #2 | .2524183 | 81.28868 | .2581763 | 3.321362 | .0799251 | -.003473 |
| #3 | .2483026 | 81.19784 | .2597095 | 3.390826 | .0804247 | -.003881 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.287971 | .1801704 | F 60.41206 | 2.527129 | 1.757429 | .1064639 |
| Stddev | .099981  | .0086857 | .34576     | .014733  | .008676  | .0014926 |
| %RSD   | 34.71921 | 4.820824 | .5723343   | .5829955 | .4936815 | 1.401969 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.321095 | .1838282 | 60.05144 | 2.542768 | 1.755738 | .1081830 |
| #2 | -.367187 | .1864289 | 60.44401 | 2.525109 | 1.749722 | .1054979 |
| #3 | -.175632 | .1702540 | 60.74074 | 2.513510 | 1.766825 | .1057108 |

Sample Name: K1339-11      Acquired: 02/13/2019 13:20:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034296 | 5.781264 | 4.170408 | .0032110 | .2040039 | .0175322 |
| Stddev | .0003281 | .029320  | .024230  | .0003811 | .0006633 | .0020909 |
| %RSD   | 9.566717 | .5071593 | .5810067 | 11.86944 | .3251200 | 11.92621 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0030578 | 5.783462 | 4.197086 | .0036476 | .2046068 | .0195700 |
| #2 | .0036787 | 5.750907 | 4.164369 | .0030404 | .2032934 | .0176345 |
| #3 | .0035522 | 5.809424 | 4.149768 | .0029450 | .2041114 | .0153920 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0426381 |
| Stddev | .0002979 |
| %RSD   | .6986790 |

|    |          |
|----|----------|
| #1 | .0427930 |
| #2 | .0428267 |
| #3 | .0422947 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1370.570 | 2538.168 | 28975.87 | 3709.434 | 2963.668 |
| Stddev    | 6.763    | 9.475    | 96.61    | 26.756   | 6.460    |
| %RSD      | .4934496 | .3733026 | .3334010 | .7212970 | .2179638 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1366.169 | 2545.419 | 28865.53 | 3684.782 | 2967.327 |
| #2 | 1367.183 | 2541.638 | 29016.82 | 3705.633 | 2967.467 |
| #3 | 1378.357 | 2527.447 | 29045.26 | 3737.887 | 2956.209 |

Sample Name: K1339-12      Acquired: 02/13/2019 13:24:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFFZ5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0950114 | .0020386 | .2153408 | .0063092 | .0109032 | 187.5193 | .6738208 |
| Stddev | .0059022 | .0000947 | .0021626 | .0079174 | .0023221 | .1697    | .0011105 |
| %RSD   | 6.212123 | 4.645060 | 1.004244 | 125.4896 | 21.29705 | .0905180 | .1648038 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0896915 | .0021367 | .2131061 | .0034127 | .0135608 | 187.4680 | .6729460 |
| #2 | .0939822 | .0020313 | .2154932 | .0002479 | .0098819 | 187.3811 | .6750701 |
| #3 | .1013606 | .0019478 | .2174231 | .0152670 | .0092668 | 187.7088 | .6734462 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0114848 | .1766719 | 25.28879 | .2091383 | .0353110 | .0829954 | 276.1911 |
| Stddev | .0000202 | .0008479 | .08610   | .0006584 | .0002989 | .0041758 | .7035    |
| %RSD   | .1758143 | .4799314 | .3404693 | .3148056 | .8463897 | 5.031415 | .2547084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0114754 | .1761583 | 25.25368 | .2091285 | .0352266 | .0817219 | 275.5146 |
| #2 | .0114709 | .1762069 | 25.38690 | .2098015 | .0350634 | .0876598 | 276.1398 |
| #3 | .0115079 | .1776506 | 25.22579 | .2084848 | .0356430 | .0796046 | 276.9188 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3283206 | 11.03096 | .0933614 | -.015868 | -.525779 | .5433022 | 25.94528 |
| Stddev | .0045688 | .18050   | .0004564 | .000114  | .213056  | .0040294 | .39058   |
| %RSD   | 1.391578 | 1.636314 | .4888837 | .7184059 | 40.52203 | .7416527 | 1.505389 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3252684 | 10.85056 | .0928351 | -.015852 | -.769574 | .5436104 | 25.53989 |
| #2 | .3261202 | 11.21156 | .0936486 | -.015989 | -.432447 | .5391275 | 26.31914 |
| #3 | .3335733 | 11.03078 | .0936005 | -.015763 | -.375316 | .5471686 | 25.97680 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.261029 | 1.269313 | .3438651 | .0091883 | 2.335711 | 2.067895 | .0120165 |
| Stddev | .072400  | .002901  | .0014832 | .0001887 | .007643  | .005433  | .0005485 |
| %RSD   | 1.156361 | .2285164 | .4313399 | 2.053934 | .3272395 | .2627492 | 4.564120 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.332676 | 1.268384 | .3421804 | .0091881 | 2.331498 | 2.063553 | .0126076 |
| #2 | 6.262514 | 1.266992 | .3449744 | .0089997 | 2.331102 | 2.066146 | .0115240 |
| #3 | 6.187898 | 1.272565 | .3444405 | .0093771 | 2.344534 | 2.073988 | .0119179 |

Sample Name: K1339-12      Acquired: 02/13/2019 13:24:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2194530 | .0539999 | .0952182 |
| Stddev | .0037288 | .0028201 | .0003086 |
| %RSD   | 1.699116 | 5.222437 | .3240551 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2154257 | .0566820 | .0949543 |
| #2 | .2201477 | .0542581 | .0955575 |
| #3 | .2227856 | .0510595 | .0951427 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1328.669 | 2452.672 | 28005.22 | 3668.767 | 2897.096 |
| Stddev    | 11.231   | 4.293    | 90.48    | 6.766    | 7.183    |
| %RSD      | .8453092 | .1750531 | .3230961 | .1844340 | .2479340 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1334.630 | 2457.511 | 28034.46 | 3670.219 | 2904.723 |
| #2 | 1315.713 | 2449.316 | 27903.73 | 3661.393 | 2896.105 |
| #3 | 1335.662 | 2451.190 | 28077.46 | 3674.690 | 2890.460 |

Sample Name: K1339-14      Acquired: 02/13/2019 13:32:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0801416 | .0005633 | 1.072293 | .0080660 | .0082049 | 99.43681 |
| Stddev | .0078836 | .0024695 | .003927  | .0036355 | .0031015 | .24044   |
| %RSD   | 9.837097 | 438.4150 | .3661911 | 45.07169 | 37.80059 | .2418000 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0866643 | .0012563 | 1.070349 | .0103344 | .0117806 | 99.54516 |
| #2 | .0713810 | -.002179 | 1.069718 | .0038728 | .0065893 | 99.60402 |
| #3 | .0823795 | .002612  | 1.076813 | .0099909 | .0062446 | 99.16127 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6974344 | .0099459 | .2674235 | 26.13182 | .1485622 | .1290185 |
| Stddev | .0042092 | .0000306 | .0015336 | .13641   | .0001491 | .0011875 |
| %RSD   | .6035295 | .3075899 | .5734730 | .5220065 | .1003382 | .9203842 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7018998 | .0099327 | .2671903 | 26.22561 | .1483901 | .1288789 |
| #2 | .6968638 | .0099808 | .2660198 | 26.19452 | .1486498 | .1279070 |
| #3 | .6935395 | .0099240 | .2690603 | 25.97533 | .1486467 | .1302696 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1522153 | 224.0640 | 5.322059 | 9.820001 | .1017091 | -.012224 |
| Stddev | .0076322 | .4969    | .025179  | .081657  | .0009447 | .000312  |
| %RSD   | 5.014090 | .2217686 | .4731089 | .8315363 | .9287894 | 2.554341 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1597412 | 223.8149 | 5.316362 | 9.754967 | .1017908 | -.012478 |
| #2 | .1524235 | 224.6362 | 5.349598 | 9.911643 | .1007263 | -.012320 |
| #3 | .1444811 | 223.7409 | 5.300216 | 9.793394 | .1026103 | -.011876 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.029962 | .3712443 | F 31.79056 | 4.913152 | 1.596294 | .2762722 |
| Stddev | .186029  | .0101392 | .14482     | .107528  | .015830  | .0014771 |
| %RSD   | 620.8773 | 2.731142 | .4555511   | 2.188579 | .9916428 | .5346619 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.243168 | .3698411 | 31.73320 | 4.883117 | 1.591472 | .2749919 |
| #2 | .053968  | .3820120 | 31.68321 | 5.032504 | 1.583436 | .2778884 |
| #3 | .099314  | .3618797 | 31.95528 | 4.823835 | 1.613973 | .2759364 |

Sample Name: K1339-14      Acquired: 02/13/2019 13:32:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066646 | 7.416906 | 3.575117 | .0069854 | .2145050 | .0351835 |
| Stddev | .0001673 | .048067  | .021303  | .0013190 | .0024523 | .0011316 |
| %RSD   | 2.510924 | .6480675 | .5958789 | 18.88167 | 1.143225 | 3.216146 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0066779 | 7.392785 | 3.599135 | .0066884 | .2146087 | .0361570 |
| #2 | .0064910 | 7.385677 | 3.567707 | .0058403 | .2169037 | .0339420 |
| #3 | .0068249 | 7.472256 | 3.558508 | .0084276 | .2120025 | .0354516 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0843320 |
| Stddev | .0004545 |
| %RSD   | .5389674 |

|    |          |
|----|----------|
| #1 | .0846424 |
| #2 | .0845433 |
| #3 | .0838103 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1399.742 | 2592.767 | 29603.87 | 3850.397 | 2909.387 |
| Stddev    | 8.088    | 11.123   | 166.78   | 4.534    | 11.008   |
| %RSD      | .5778446 | .4290068 | .5633654 | .1177433 | .3783654 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1401.201 | 2590.402 | 29755.94 | 3846.904 | 2907.188 |
| #2 | 1407.003 | 2604.882 | 29630.17 | 3848.767 | 2921.329 |
| #3 | 1391.024 | 2583.016 | 29425.51 | 3855.520 | 2899.644 |

Sample Name: K1339-13      Acquired: 02/13/2019 13:28:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0892955 | -.001692 | 1.327034 | .0040998 | .0082704 | 104.8188 |
| Stddev | .0041794 | .001983  | .011869  | .0038027 | .0025234 | .5867    |
| %RSD   | 4.680393 | 117.1681 | .8944019 | 92.75316 | 30.51164 | .5596869 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0846516 | -.001984 | 1.317179 | .0056181 | .0055096 | 105.4939 |
| #2 | .0904804 | .000420  | 1.323713 | .0069087 | .0088437 | 104.5292 |
| #3 | .0927545 | -.003513 | 1.340210 | -.000227 | .0104578 | 104.4332 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7016462 | .0101329 | .2949956 | 26.82281 | .2188083 | .1346404 |
| Stddev | .0013996 | .0001324 | .0013645 | .08755   | .0005992 | .0010337 |
| %RSD   | .1994809 | 1.306419 | .4625615 | .3263839 | .2738389 | .7677846 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7032576 | .0102487 | .2939697 | 26.91103 | .2193083 | .1337770 |
| #2 | .7007336 | .0099886 | .2944728 | 26.82143 | .2181441 | .1343583 |
| #3 | .7009473 | .0101614 | .2965442 | 26.73596 | .2189725 | .1357859 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1900426 | 230.2600 | 3.877211 | 10.87028 | .1144369 | -.012435 |
| Stddev | .0041786 | 2.8260   | .025111  | .15728   | .0007264 | .000452  |
| %RSD   | 2.198778 | 1.227300 | .6476675 | 1.446847 | .6347784 | 3.636123 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1938986 | 233.5222 | 3.902388 | 11.04304 | .1147852 | -.012104 |
| #2 | .1856028 | 228.5603 | 3.852166 | 10.73541 | .1136019 | -.012251 |
| #3 | .1906264 | 228.6976 | 3.877080 | 10.83238 | .1149235 | -.012950 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.072412 | .4251203 | F 40.23107 | 5.158450 | 1.749927 | .2904586 |
| Stddev | .106552  | .0067863 | .60019     | .084320  | .014524  | .0058877 |
| %RSD   | 147.1463 | 1.596317 | 1.491869   | 1.634603 | .8299872 | 2.027027 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .024699  | .4327202 | 39.65798 | 5.246041 | 1.742903 | .2972496 |
| #2 | -.186392 | .4229740 | 40.85512 | 5.077834 | 1.740250 | .2867864 |
| #3 | -.055543 | .4196667 | 40.18011 | 5.151476 | 1.766628 | .2873398 |



Sample Name: K1339-13      Acquired: 02/13/2019 13:28:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069217 | 10.00407 | 2.424140 | .0068878 | .2338539 | .0413061 |
| Stddev | .0003109 | .06268   | .032151  | .0006265 | .0030901 | .0012209 |
| %RSD   | 4.492031 | .6265109 | 1.326271 | 9.096457 | 1.321382 | 2.955695 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0072541 | 9.96974  | 2.453479 | .0061931 | .2356310 | .0424804 |
| #2 | .0068729 | 9.96605  | 2.389770 | .0074101 | .2302858 | .0413946 |
| #3 | .0066380 | 10.07641 | 2.429170 | .0070602 | .2356450 | .0400434 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0835848 |
| Stddev | .0003914 |
| %RSD   | .4682725 |

|    |          |
|----|----------|
| #1 | .0840364 |
| #2 | .0833752 |
| #3 | .0833428 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1393.336 | 2577.911 | 29530.50 | 3846.027 | 2898.639 |
| Stddev    | 6.838    | 3.220    | 133.62   | 45.066   | 5.144    |
| %RSD      | .4907593 | .1249023 | .4524867 | 1.171765 | .1774613 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1398.038 | 2577.265 | 29573.32 | 3798.198 | 2903.701 |
| #2 | 1385.492 | 2575.062 | 29380.71 | 3887.697 | 2898.799 |
| #3 | 1396.478 | 2581.404 | 29637.45 | 3852.186 | 2893.417 |

Sample Name: K1339-17      Acquired: 02/13/2019 13:44:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG00      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0958424 | .0027306 | 1.022442 | .0107488 | .0102676 | 134.5643 | 1.269772 |
| Stddev | .0037017 | .0049723 | .010094  | .0032226 | .0017112 | .6663    | .002641  |
| %RSD   | 3.862285 | 182.0931 | .9871973 | 29.98153 | 16.66623 | .4951476 | .2079591 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0921688 | .0038321 | 1.018740 | .0098838 | .0120713 | 135.3312 | 1.272429 |
| #2 | .0957868 | .0070598 | 1.014722 | .0080469 | .0100647 | 134.2350 | 1.267148 |
| #3 | .0995716 | -.002700 | 1.033864 | .0143156 | .0086669 | 134.1268 | 1.269739 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0146882 | .1939244 | 25.13089 | .2029185 | .0723444 | .1280415 | 316.8228 |
| Stddev | .0000454 | .0019997 | .12972   | .0006788 | .0002886 | .0037191 | 2.9400   |
| %RSD   | .3091780 | 1.031175 | .5161698 | .3345043 | .3988827 | 2.904598 | .9279742 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0147352 | .1926231 | 25.26759 | .2028236 | .0723597 | .1276112 | 320.0855 |
| #2 | .0146848 | .1929232 | 25.11555 | .2022921 | .0720485 | .1319571 | 316.0035 |
| #3 | .0146445 | .1962270 | 25.00952 | .2036397 | .0726250 | .1245563 | 314.3792 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7254385 | 6.597063 | .0960094 | -.018178 | -.666075 | .5317733 | 23.19584 |
| Stddev | .0042497 | .086121  | .0008614 | .000190  | .108969  | .0050746 | .34973   |
| %RSD   | .5858083 | 1.305445 | .8971624 | 1.042532 | 16.35990 | .9542847 | 1.507747 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7261411 | 6.582328 | .0952323 | -.018388 | -.546998 | .5316572 | 23.50565 |
| #2 | .7208813 | 6.689601 | .0958602 | -.018021 | -.690403 | .5369050 | 22.81660 |
| #3 | .7292931 | 6.519260 | .0969355 | -.018123 | -.760825 | .5267577 | 23.26526 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.155560 | 1.731679 | .3856432 | .0068165 | 2.771201 | 2.758270 | .0100325 |
| Stddev | .077960  | .020120  | .0069687 | .0006176 | .019290  | .021015  | .0011443 |
| %RSD   | 1.512163 | 1.161867 | 1.807024 | 9.059855 | .6960903 | .7618773 | 11.40619 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.066029 | 1.715776 | .3935210 | .0071463 | 2.753957 | 2.748210 | .0092762 |
| #2 | 5.208450 | 1.724963 | .3802838 | .0071992 | 2.767614 | 2.782424 | .0113490 |
| #3 | 5.192201 | 1.754298 | .3831248 | .0061040 | 2.792033 | 2.744176 | .0094724 |

Sample Name: K1339-17      Acquired: 02/13/2019 13:44:17      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG00      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1574569 | .0472726 | .1004879 |
| Stddev | .0041607 | .0015291 | .0002026 |
| %RSD   | 2.642447 | 3.234692 | .2015961 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1616192 | .0489323 | .1002835 |
| #2 | .1532978 | .0459210 | .1006886 |
| #3 | .1574538 | .0469644 | .1004915 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1398.074 | 2580.194 | 29669.05 | 3853.590 | 2894.265 |
| Stddev    | 4.514    | 17.587   | 102.87   | 21.084   | 22.413   |
| %RSD      | .3228661 | .6816257 | .3467404 | .5471137 | .7743982 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1401.338 | 2587.662 | 29779.83 | 3863.745 | 2908.830 |
| #2 | 1399.963 | 2592.815 | 29650.78 | 3829.350 | 2905.509 |
| #3 | 1392.923 | 2560.105 | 29576.53 | 3867.673 | 2868.455 |

Sample Name: K1339-15      Acquired: 02/13/2019 13:36:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFFZ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1257027 | -.004904 | .5286742 | .0111888 | .0132018 | 136.8442 | 1.373445 |
| Stddev | .0022777 | .002159  | .0098830 | .0044278 | .0006305 | .5174    | .004044  |
| %RSD   | 1.812013 | 44.03899 | 1.869396 | 39.57366 | 4.775716 | .3780599 | .2944162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1261069 | -.004061 | .5190608 | .0077902 | .0138308 | 137.3933 | 1.375257 |
| #2 | .1232499 | -.003293 | .5281555 | .0161960 | .0125699 | 136.7734 | 1.376266 |
| #3 | .1277513 | -.007357 | .5388064 | .0095801 | .0132048 | 136.3659 | 1.368812 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0172626 | .1362214 | 25.33166 | .3277600 | .1466771 | .0958727 | 363.1463 |
| Stddev | .0001800 | .0016910 | .12603   | .0022522 | .0018273 | .0035850 | 2.9514   |
| %RSD   | 1.042767 | 1.241338 | .4975009 | .6871380 | 1.245813 | 3.739334 | .8127224 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0174210 | .1342992 | 25.47502 | .3257050 | .1446544 | .0997038 | 366.5178 |
| #2 | .0173000 | .1368851 | 25.28163 | .3301677 | .1471681 | .0953151 | 361.0301 |
| #3 | .0170669 | .1374798 | 25.23833 | .3274074 | .1482087 | .0925991 | 361.8910 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.580786 | 9.353805 | .1552612 | -.021523 | -.717402 | .5165534 | 15.39740 |
| Stddev | .026876  | .066308  | .0012705 | .000258  | .192539  | .0092521 | .09496   |
| %RSD   | 1.041395 | .7088826 | .8182802 | 1.200900 | 26.83834 | 1.791127 | .6167141 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.610207 | 9.277242 | .1540347 | -.021471 | -.691116 | .5084781 | 15.30579 |
| #2 | 2.557524 | 9.392545 | .1551775 | -.021804 | -.539357 | .5145336 | 15.39104 |
| #3 | 2.574627 | 9.391629 | .1565715 | -.021295 | -.921733 | .5266486 | 15.49538 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.183827 | 2.407449 | .4448303 | .0085054 | 1.798925 | 2.031217 | .0115154 |
| Stddev | .042680  | .031783  | .0052733 | .0004738 | .022978  | .014412  | .0014283 |
| %RSD   | .8233353 | 1.320195 | 1.185473 | 5.570505 | 1.277321 | .7095492 | 12.40327 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.233002 | 2.377944 | .4506580 | .0079584 | 1.772529 | 2.044239 | .0098921 |
| #2 | 5.162067 | 2.403301 | .4403879 | .0087691 | 1.809795 | 2.033681 | .0120745 |
| #3 | 5.156413 | 2.441103 | .4434450 | .0087886 | 1.814452 | 2.015732 | .0125795 |

Sample Name: K1339-15      Acquired: 02/13/2019 13:36:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2634428 | .0365625 | .1112023 |
| Stddev | .0035858 | .0006503 | .0003792 |
| %RSD   | 1.361113 | 1.778629 | .3409619 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2663400 | .0358521 | .1111311 |
| #2 | .2645559 | .0367070 | .1116119 |
| #3 | .2594325 | .0371285 | .1108637 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1491.743 | 2749.276 | 31780.26 | 4132.963 | 2861.639 |
| Stddev    | 3.200    | 21.493   | 121.83   | 39.834   | 30.002   |
| %RSD      | .2145003 | .7817559 | .3833493 | .9638237 | 1.048435 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1488.394 | 2770.749 | 31673.24 | 4089.143 | 2891.116 |
| #2 | 1492.067 | 2749.314 | 31754.69 | 4142.765 | 2862.663 |
| #3 | 1494.769 | 2727.764 | 31912.84 | 4166.982 | 2831.137 |

Sample Name: K1339-19      Acquired: 02/13/2019 13:52:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1052870 | .0008273 | .7476018 | .0129240 | .0080887 | 58.49396 |
| Stddev | .0020166 | .0032091 | .0014915 | .0019043 | .0012503 | .08725   |
| %RSD   | 1.915323 | 387.8953 | .1994988 | 14.73451 | 15.45679 | .1491573 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1038285 | -.001322 | .7486128 | .0151162 | .0068142 | 58.49627 |
| #2 | .1075883 | -.000712 | .7458889 | .0116784 | .0081387 | 58.40557 |
| #3 | .1044443 | .004516  | .7483038 | .0119776 | .0093132 | 58.58002 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8113585 | .0098061 | .4735136 | 9.186057 | .3415878 | .1384269 |
| Stddev | .0039001 | .0000999 | .0011784 | .024943  | .0013559 | .0003925 |
| %RSD   | .4806884 | 1.018640 | .2488617 | .2715262 | .3969261 | .2835195 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8105029 | .0098854 | .4725591 | 9.164010 | .3427685 | .1385036 |
| #2 | .8079572 | .0096939 | .4731509 | 9.181030 | .3418879 | .1380018 |
| #3 | .8156153 | .0098390 | .4748307 | 9.213130 | .3401071 | .1387754 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2854000 | 248.9184 | 5.196457 | 4.796610 | .0836644 | -.013385 |
| Stddev | .0029013 | .8363    | .016202  | .069418  | .0006004 | .000552  |
| %RSD   | 1.016572 | .3359884 | .3117967 | 1.447234 | .7176142 | 4.127519 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2874354 | 248.3676 | 5.198113 | 4.738041 | .0830121 | -.013853 |
| #2 | .2866868 | 248.5067 | 5.211768 | 4.778502 | .0841938 | -.013526 |
| #3 | .2820779 | 249.8807 | 5.179490 | 4.873288 | .0837874 | -.012775 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.383207 | .4394520 | F 31.20671 | 2.723487 | 2.255798 | .3078066 |
| Stddev | .118885  | .0020985 | .09324     | .125403  | .008820  | .0021042 |
| %RSD   | 31.02369 | .4775150 | .2987831   | 4.604489 | .3909759 | .6835966 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.246968 | .4411494 | 31.22998 | 2.644679 | 2.254108 | .3053905 |
| #2 | -.465915 | .4371058 | 31.28611 | 2.657687 | 2.247945 | .3087927 |
| #3 | -.436739 | .4401008 | 31.10403 | 2.868095 | 2.265340 | .3092366 |

Sample Name: K1339-19      Acquired: 02/13/2019 13:52:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0077875 | 6.583052 | 2.994106 | .0053892 | .3160109 | .0219103 |
| Stddev | .0001444 | .029665  | .005485  | .0011416 | .0017923 | .0013755 |
| %RSD   | 1.854013 | .4506201 | .1832006 | 21.18416 | .5671469 | 6.277781 |
|        |          |          |          |          |          |          |
| #1     | .0078863 | 6.579912 | 2.989668 | .0041221 | .3178999 | .0221182 |
| #2     | .0076218 | 6.555083 | 3.000239 | .0063378 | .3143344 | .0204427 |
| #3     | .0078544 | 6.614162 | 2.992411 | .0057076 | .3157982 | .0231700 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0555470 |
| Stddev | .0001287 |
| %RSD   | .2316614 |
|        |          |
| #1     | .0556390 |
| #2     | .0553999 |
| #3     | .0556020 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1372.978 | 2536.338 | 29039.09 | 3751.606 | 2934.842 |
| Stddev    | 9.168    | 9.623    | 106.56   | 17.078   | 6.703    |
| %RSD      | .6677566 | .3793855 | .3669503 | .4552160 | .2283934 |
|           |          |          |          |          |          |
| #1        | 1383.527 | 2531.218 | 29108.69 | 3769.233 | 2934.466 |
| #2        | 1368.470 | 2547.438 | 29092.16 | 3750.449 | 2941.725 |
| #3        | 1366.936 | 2530.359 | 28916.42 | 3735.136 | 2928.335 |

Sample Name: K1339-18      Acquired: 02/13/2019 13:48:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0347556 | -.003543 | .1293770 | .0119317 | .0027283 | 34.65077 | .9824032 |
| Stddev | .0018459 | .001573  | .0008039 | .0019788 | .0013720 | .10941   | .0043097 |
| %RSD   | 5.311145 | 44.38719 | .6213832 | 16.58440 | 50.28844 | .3157585 | .4386866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0365803 | -.002215 | .1297316 | .0136057 | .0026677 | 34.53295 | .9864276 |
| #2 | .0347971 | -.005280 | .1284567 | .0124415 | .0013876 | 34.74918 | .9829262 |
| #3 | .0328892 | -.003135 | .1299426 | .0097479 | .0041296 | 34.67018 | .9778560 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0038913 | .0145891 | 9.545381 | .0989910 | .0095488 | .0385513 | 85.78704 |
| Stddev | .0000029 | .0000533 | .045711  | .0002154 | .0002044 | .0004244 | .71690   |
| %RSD   | .0741625 | .3654596 | .4788807 | .2175507 | 2.140411 | 1.100964 | .8356777 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0038915 | .0145466 | 9.538320 | .0992336 | .0093685 | .0388233 | 85.02942 |
| #2 | .0038883 | .0145719 | 9.594211 | .0989171 | .0095070 | .0380622 | 86.45474 |
| #3 | .0038940 | .0146489 | 9.503611 | .0988224 | .0097708 | .0387684 | 85.87696 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2386962 | 2.864310 | .0243802 | -.004496 | -.579538 | .1972040 | 1.119246 |
| Stddev | .0039653 | .039990  | .0004499 | .000160  | .116742  | .0060079 | .014701  |
| %RSD   | 1.661232 | 1.396164 | 1.845477 | 3.563845 | 20.14399 | 3.046528 | 1.313513 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2351102 | 2.910116 | .0239339 | -.004369 | -.473021 | .2015847 | 1.120201 |
| #2 | .2380238 | 2.846460 | .0243729 | -.004676 | -.561246 | .1903551 | 1.104091 |
| #3 | .2429548 | 2.836352 | .0248337 | -.004443 | -.704346 | .1996720 | 1.133447 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.724086 | 1.662670 | .1058741 | .0022904 | 1.831236 | 2.934455 | .0034923 |
| Stddev | .072681  | .006647  | .0020890 | .0000850 | .004135  | .033689  | .0005304 |
| %RSD   | 4.215611 | .3997537 | 1.973076 | 3.711095 | .2257972 | 1.148051 | 15.18853 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.802085 | 1.655202 | .1058140 | .0023021 | 1.831652 | 2.905633 | .0038270 |
| #2 | 1.658261 | 1.664869 | .1079925 | .0023690 | 1.826909 | 2.971492 | .0037692 |
| #3 | 1.711911 | 1.667938 | .1038158 | .0022002 | 1.835147 | 2.926240 | .0028808 |



Sample Name: K1339-18      Acquired: 02/13/2019 13:48:19      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2599013 | .0141227 | .0433799 |
| Stddev | .0010036 | .0016628 | .0002321 |
| %RSD   | .3861604 | 11.77379 | .5349905 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2592097 | .0157699 | .0436297 |
| #2 | .2610524 | .0124447 | .0433390 |
| #3 | .2594418 | .0141536 | .0431710 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1332.555 | 2452.624 | 28219.69 | 3623.802 | 2983.907 |
| Stddev    | 8.534    | 3.951    | 187.08   | 14.261   | 4.178    |
| %RSD      | .6404155 | .1611024 | .6629250 | .3935267 | .1400084 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1328.363 | 2456.473 | 28097.08 | 3632.811 | 2986.891 |
| #2 | 1342.374 | 2448.578 | 28435.01 | 3607.361 | 2985.698 |
| #3 | 1326.929 | 2452.824 | 28126.97 | 3631.235 | 2979.133 |

Sample Name: K1339-21      Acquired: 02/13/2019 14:00:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1369656 | -.000866 | 2.669429 | .0061164 | .0028154 | 50.82827 |
| Stddev | .0009898 | .002292  | .011608  | .0016867 | .0020061 | .24529   |
| %RSD   | .7226844 | 264.5909 | .4348644 | 27.57594 | 71.25567 | .4825901 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1362605 | -.003235 | 2.658360 | .0054787 | .0005003 | 51.09353 |
| #2 | .1380972 | .001340  | 2.668416 | .0080290 | .0039037 | 50.78164 |
| #3 | .1365392 | -.000703 | 2.681510 | .0048416 | .0040421 | 50.60964 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.042057 | .0087715 | .7297134 | 26.27642 | .1552439 | .0796530 |
| Stddev | .003343  | .0001297 | .0032517 | .12821   | .0006033 | .0006827 |
| %RSD   | .3208430 | 1.479002 | .4456171 | .4879222 | .3886142 | .8570533 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.045530 | .0087665 | .7274886 | 26.39503 | .1546443 | .0791134 |
| #2 | 1.038861 | .0089036 | .7282064 | 26.14040 | .1552366 | .0794251 |
| #3 | 1.041781 | .0086443 | .7334452 | 26.29384 | .1558508 | .0804205 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3723749 | 221.3631 | 2.206735 | 4.863123 | .1197517 | -.012074 |
| Stddev | .0027586 | 1.2170   | .019221  | .089560  | .0008706 | .000148  |
| %RSD   | .7408133 | .5497658 | .8709980 | 1.841608 | .7270246 | 1.224327 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3728977 | 221.8914 | 2.215357 | 4.863485 | .1200708 | -.012238 |
| #2 | .3693923 | 222.2267 | 2.220135 | 4.952501 | .1187666 | -.011951 |
| #3 | .3748347 | 219.9713 | 2.184713 | 4.773383 | .1204178 | -.012032 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.430390 | .3276387 | F 42.74105 | 3.036076 | 7.366535 | .2699896 |
| Stddev | .077504  | .0060101 | .21687     | .069676  | .026128  | .0021155 |
| %RSD   | 18.00793 | 1.834373 | .5073953   | 2.294948 | .3546821 | .7835523 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.351436 | .3207332 | 42.76300 | 3.093467 | 7.346012 | .2712616 |
| #2 | -.433374 | .3316887 | 42.94611 | 3.056211 | 7.357646 | .2711597 |
| #3 | -.506358 | .3304943 | 42.51405 | 2.958549 | 7.395948 | .2675475 |

Sample Name: K1339-21      Acquired: 02/13/2019 14:00:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0089849 | 7.977317 | 4.472998 | .0137613 | .1377477 | .0241473 |
| Stddev | .0004845 | .031465  | .007749  | .0007873 | .0004950 | .0011488 |
| %RSD   | 5.392523 | .3944296 | .1732488 | 5.720864 | .3593839 | 4.757423 |
| #1     | .0088979 | 7.963845 | 4.464087 | .0140900 | .1377281 | .0247366 |
| #2     | .0095070 | 7.954831 | 4.476740 | .0128629 | .1382523 | .0228234 |
| #3     | .0085497 | 8.013275 | 4.478166 | .0143308 | .1372628 | .0248818 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0897015 |
| Stddev | .0001062 |
| %RSD   | .1184488 |
| #1     | .0898190 |
| #2     | .0896733 |
| #3     | .0896122 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1476.977 | 2715.635 | 31187.17 | 3986.400 | 2941.556 |
| Stddev    | 4.783    | 7.100    | 19.46    | 16.807   | 5.066    |
| %RSD      | .3238163 | .2614611 | .0623899 | .4216154 | .1722297 |
| #1        | 1472.368 | 2707.591 | 31209.63 | 3968.831 | 2940.043 |
| #2        | 1476.648 | 2718.288 | 31175.40 | 3988.043 | 2947.207 |
| #3        | 1481.916 | 2721.028 | 31176.48 | 4002.325 | 2937.419 |

Sample Name: K1339-20      Acquired: 02/13/2019 13:56:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0844773 | .0017172 | 8.010345 | .0122164 | .0011607 | 38.90179 |
| Stddev | .0015973 | .0054935 | .038570  | .0015485 | .0007913 | .20757   |
| %RSD   | 1.890757 | 319.9006 | .4814972 | 12.67589 | 68.17340 | .5335763 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0856395 | .0018017 | 7.994160 | .0137400 | .0004097 | 39.12741 |
| #2 | .0851364 | .0071680 | 7.982505 | .0122650 | .0010855 | 38.71894 |
| #3 | .0826559 | -.003818 | 8.054370 | .0106441 | .0019869 | 38.85901 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7005453 | .0066846 | .4209851 | 77.08144 | .2147869 | .0737147 |
| Stddev | .0020338 | .0001139 | .0018659 | .26704   | .0001789 | .0008171 |
| %RSD   | .2903110 | 1.704315 | .4432197 | .3464326 | .0832818 | 1.108513 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7028899 | .0065873 | .4201249 | 77.38976 | .2145824 | .0732308 |
| #2 | .6992585 | .0068100 | .4197045 | 76.92413 | .2148640 | .0732552 |
| #3 | .6994874 | .0066566 | .4231259 | 76.93042 | .2149143 | .0746582 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3237260 | 177.5780 | 2.483810 | 7.296148 | .1077498 | -.009408 |
| Stddev | .0046854 | .9912    | .009389  | .031043  | .0002180 | .000184  |
| %RSD   | 1.447343 | .5581832 | .3780253 | .4254766 | .2023018 | 1.955645 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3289874 | 178.6389 | 2.493187 | 7.260330 | .1078356 | -.009276 |
| #2 | .3221873 | 176.6755 | 2.474408 | 7.315280 | .1075020 | -.009329 |
| #3 | .3200035 | 177.4197 | 2.483834 | 7.312834 | .1079119 | -.009618 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.019075 | .2365146 | F 56.56967 | 2.501257 | 2.269341 | .2200027 |
| Stddev | .137001  | .0092301 | .26854     | .047940  | .016585  | .0031755 |
| %RSD   | 718.2242 | 3.902569 | .4747106   | 1.916640 | .7308196 | 1.443403 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.159921 | .2388997 | 56.48278 | 2.549404 | 2.258380 | .2166653 |
| #2 | .113727  | .2443180 | 56.35534 | 2.453526 | 2.261221 | .2203560 |
| #3 | -.011031 | .2263260 | 56.87090 | 2.500842 | 2.288421 | .2229868 |

Sample Name: K1339-20      Acquired: 02/13/2019 13:56:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0091842 | 21.12155 | 4.069263 | .0088187 | .1791608 | .0189169 |
| Stddev | .0002770 | .07021   | .028411  | .0013434 | .0010041 | .0027324 |
| %RSD   | 3.015937 | .3324025 | .6981742 | 15.23338 | .5604537 | 14.44434 |
|        |          |          |          |          |          |          |
| #1     | .0090200 | 21.11545 | 4.092121 | .0099290 | .1802187 | .0200306 |
| #2     | .0095040 | 21.05458 | 4.078213 | .0092017 | .1790430 | .0158036 |
| #3     | .0090286 | 21.19460 | 4.037456 | .0073254 | .1782209 | .0209167 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0835019 |
| Stddev | .0002698 |
| %RSD   | .3230678 |
|        |          |
| #1     | .0838110 |
| #2     | .0833138 |
| #3     | .0833809 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1345.377 | 2473.686 | 28622.98 | 3692.716 | 2883.081 |
| Stddev    | 5.005    | 13.313   | 79.66    | 37.742   | 12.658   |
| %RSD      | .3720340 | .5381747 | .2783228 | 1.022075 | .4390331 |
|           |          |          |          |          |          |
| #1        | 1340.065 | 2479.590 | 28538.99 | 3656.331 | 2890.483 |
| #2        | 1346.061 | 2483.026 | 28697.47 | 3690.133 | 2890.294 |
| #3        | 1350.005 | 2458.442 | 28632.47 | 3731.683 | 2868.465 |

Sample Name: K1342-02      Acquired: 02/13/2019 14:08:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG06      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0523316 | .0011570 | 1.150772 | .0082810 | .0076673 | 61.89173 | 1.390289 |
| Stddev | .0031700 | .0009581 | .002669  | .0017247 | .0023609 | .07491   | .003233  |
| %RSD   | 6.057491 | 82.81197 | .2318970 | 20.82689 | 30.79188 | .1210413 | .2325123 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0518540 | .0003502 | 1.147714 | .0102147 | .0052961 | 61.80630 | 1.389998 |
| #2 | .0494274 | .0022161 | 1.151970 | .0077266 | .0100178 | 61.94623 | 1.387211 |
| #3 | .0557132 | .0009048 | 1.152631 | .0069017 | .0076879 | 61.92265 | 1.393657 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076147 | .1018931 | 17.57754 | .1361988 | .1633219 | .1876265 | 170.1760 |
| Stddev | .0000980 | .0003050 | .02633   | .0005358 | .0014768 | .0018151 | .6031    |
| %RSD   | 1.286914 | .2993413 | .1497689 | .3933812 | .9042416 | .9673848 | .3544184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0075053 | .1016270 | 17.54718 | .1363985 | .1623781 | .1896392 | 169.7001 |
| #2 | .0076445 | .1018263 | 17.59406 | .1366060 | .1625638 | .1871265 | 170.8543 |
| #3 | .0076944 | .1022260 | 17.59137 | .1355918 | .1650238 | .1861139 | 169.9735 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.565642 | 4.274817 | .0854886 | -.008251 | -.343169 | .2917349 | 7.840426 |
| Stddev | .034206  | .107945  | .0008318 | .000086  | .203614  | .0160732 | .039765  |
| %RSD   | .4521202 | 2.525137 | .9730271 | 1.045822 | 59.33330 | 5.509536 | .5071841 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.527124 | 4.346578 | .0864473 | -.008159 | -.438262 | .2852423 | 7.798675 |
| #2 | 7.577331 | 4.150676 | .0849582 | -.008331 | -.481838 | .2799235 | 7.877853 |
| #3 | 7.592472 | 4.327198 | .0850604 | -.008264 | -.109406 | .3100388 | 7.844751 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.910341 | 1.978884 | .2149560 | .0034279 | 2.392832 | 4.432538 | .0067280 |
| Stddev | .002716  | .008653  | .0021752 | .0004544 | .014176  | .043914  | .0009874 |
| %RSD   | .0694446 | .4372614 | 1.011916 | 13.25606 | .5924231 | .9907103 | 14.67598 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.912997 | 1.968940 | .2135512 | .0030130 | 2.399675 | 4.395351 | .0072872 |
| #2 | 3.907570 | 1.983012 | .2174615 | .0033572 | 2.376533 | 4.421277 | .0055879 |
| #3 | 3.910454 | 1.984700 | .2138553 | .0039136 | 2.402288 | 4.480985 | .0073088 |

Sample Name: K1342-02      Acquired: 02/13/2019 14:08:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG06      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2105944 | .0341153 | .0702194 |
| Stddev | .0029711 | .0012862 | .0003864 |
| %RSD   | 1.410799 | 3.770246 | .5502674 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2075061 | .0328650 | .0697995 |
| #2 | .2108446 | .0340463 | .0702988 |
| #3 | .2134325 | .0354347 | .0705599 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1397.145 | 2583.045 | 29777.67 | 3846.794 | 2934.630 |
| Stddev    | 3.793    | 3.132    | 54.02    | 28.407   | 3.649    |
| %RSD      | .2715040 | .1212457 | .1814096 | .7384693 | .1243404 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1399.141 | 2586.386 | 29773.51 | 3869.969 | 2937.065 |
| #2 | 1399.524 | 2580.176 | 29725.85 | 3855.310 | 2936.391 |
| #3 | 1392.771 | 2582.574 | 29833.65 | 3815.103 | 2930.435 |

Sample Name: K1342-01      Acquired: 02/13/2019 14:04:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG05      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1229077 | -.002493 | .3327954 | .0091685 | .0088615 | 96.07526 | .9452301 |
| Stddev | .0023125 | .002548  | .0030608 | .0009794 | .0018970 | .20112   | .0006167 |
| %RSD   | 1.881475 | 102.2245 | .9197102 | 10.68219 | 21.40694 | .2093407 | .0652446 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1254679 | -.004889 | .3318831 | .0087084 | .0066775 | 96.21375 | .9455021 |
| #2 | .1222845 | .000184  | .3302944 | .0102932 | .0100991 | 96.16747 | .9445242 |
| #3 | .1209707 | -.002773 | .3362085 | .0085038 | .0098079 | 95.84457 | .9456641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0124650 | .0470614 | 12.76387 | .2465865 | .1510235 | .0511240 | 296.7430 |
| Stddev | .0000634 | .0002551 | .05628   | .0005711 | .0012100 | .0014699 | 1.5304   |
| %RSD   | .5083730 | .5421249 | .4409051 | .2316025 | .8012076 | 2.875096 | .5157316 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0124108 | .0469303 | 12.82879 | .2463657 | .1512717 | .0494389 | 297.6032 |
| #2 | .0124495 | .0468986 | 12.72898 | .2472351 | .1497086 | .0521424 | 297.6498 |
| #3 | .0125347 | .0473555 | 12.73383 | .2461588 | .1520901 | .0517905 | 294.9761 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.557717 | 6.598863 | .0852151 | -.016370 | -.918387 | .5117885 | 9.740490 |
| Stddev | .023718  | .058337  | .0016578 | .000108  | .049973  | .0098666 | .119598  |
| %RSD   | .9273079 | .8840491 | 1.945424 | .6567174 | 5.441341 | 1.927871 | 1.227845 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.555431 | 6.655885 | .0860076 | -.016477 | -.861133 | .5044203 | 9.609251 |
| #2 | 2.582495 | 6.601410 | .0833098 | -.016262 | -.953240 | .5079471 | 9.768884 |
| #3 | 2.535225 | 6.539294 | .0863279 | -.016371 | -.940786 | .5229980 | 9.843337 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.159300 | 1.696721 | .3706731 | .0085855 | 2.881308 | 3.017548 | .0077342 |
| Stddev | .053281  | .008462  | .0042824 | .0002535 | .019335  | .007740  | .0011279 |
| %RSD   | 1.032724 | .4987078 | 1.155312 | 2.952895 | .6710518 | .2565148 | 14.58349 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.219878 | 1.702464 | .3728461 | .0082952 | 2.877583 | 3.026481 | .0078413 |
| #2 | 5.119701 | 1.687004 | .3734334 | .0087635 | 2.864107 | 3.012818 | .0065566 |
| #3 | 5.138323 | 1.700694 | .3657398 | .0086979 | 2.902235 | 3.013345 | .0088048 |



Sample Name: K1342-01      Acquired: 02/13/2019 14:04:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG05      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3654144 | .0358914 | .0666578 |
| Stddev | .0004772 | .0014459 | .0002792 |
| %RSD   | .1305944 | 4.028583 | .4188271 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3651603 | .0348671 | .0664600 |
| #2 | .3659649 | .0375453 | .0665363 |
| #3 | .3651180 | .0352616 | .0669772 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1431.633 | 2642.660 | 30429.85 | 3949.436 | 2903.458 |
| Stddev    | 7.669    | 9.871    | 51.71    | 20.794   | 11.357   |
| %RSD      | .5356864 | .3735105 | .1699193 | .5265111 | .3911425 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1431.729 | 2637.924 | 30395.32 | 3925.614 | 2905.344 |
| #2 | 1439.253 | 2654.006 | 30489.30 | 3963.947 | 2913.753 |
| #3 | 1423.916 | 2636.050 | 30404.94 | 3958.749 | 2891.276 |

Sample Name: K1342-04      Acquired: 02/13/2019 14:16:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG08      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0872575 | -.001808 | 8.308414 | .0129680 | .0019814 | 84.75663 |
| Stddev | .0021554 | .001248  | .057958  | .0074300 | .0018088 | .16245   |
| %RSD   | 2.470135 | 69.06087 | .6975777 | 57.29477 | 91.28973 | .1916678 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0848312 | -.000413 | 8.274668 | .0126844 | .0025212 | 84.94050 |
| #2 | .0889509 | -.002822 | 8.275238 | .0205358 | .0034588 | 84.63253 |
| #3 | .0879902 | -.002188 | 8.375337 | .0056839 | -.000036 | 84.69686 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.333875 | .0095877 | .9311966 | 64.26884 | .1500679 | .1057951 |
| Stddev | .003779  | .0000368 | .0068036 | .18958   | .0010067 | .0011809 |
| %RSD   | .2832967 | .3842841 | .7306241 | .2949758 | .6708390 | 1.116248 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.336768 | .0096277 | .9273314 | 64.41050 | .1508806 | .1053853 |
| #2 | 1.335257 | .0095803 | .9272061 | 64.34254 | .1503814 | .1048737 |
| #3 | 1.329600 | .0095552 | .9390523 | 64.05348 | .1489418 | .1071264 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8284594 | 190.6256 | 2.718677 | 7.729747 | .1914830 | -.009712 |
| Stddev | .0042509 | .9513    | .004572  | .184285  | .0010353 | .000255  |
| %RSD   | .5131084 | .4990653 | .1681767 | 2.384107 | .5406516 | 2.621832 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8302402 | 191.7219 | 2.721939 | 7.805141 | .1910679 | -.009645 |
| #2 | .8315303 | 190.1366 | 2.720640 | 7.864382 | .1907198 | -.009993 |
| #3 | .8236077 | 190.0181 | 2.713451 | 7.519720 | .1926614 | -.009497 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3770410 | .2661161 | F 52.50322 | 3.937548 | 2.402794 | .2338569 |
| Stddev | .1466401 | .0047455 | .38685     | .120296  | .018145  | .0023792 |
| %RSD   | 38.89235 | 1.783228 | .7368107   | 3.055109 | .7551654 | 1.017390 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5370185 | .2676392 | 52.23601 | 4.076126 | 2.385603 | .2357305 |
| #2 | .2490030 | .2607961 | 52.94683 | 3.859996 | 2.401018 | .2346603 |
| #3 | .3451016 | .2699130 | 52.32683 | 3.876522 | 2.421762 | .2311800 |

Sample Name: K1342-04      Acquired: 02/13/2019 14:16:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG08      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0094523 | 26.07464 | 2.567380 | .0072613 | .1614967 | .0401615 |
| Stddev | .0001875 | .16380   | .019858  | .0003193 | .0022900 | .0026664 |
| %RSD   | 1.983485 | .6282055 | .7734690 | 4.397162 | 1.418010 | 6.639259 |
|        |          |          |          |          |          |          |
| #1     | .0093352 | 25.94922 | 2.573200 | .0072086 | .1619360 | .0430628 |
| #2     | .0093533 | 26.01474 | 2.545263 | .0069716 | .1635352 | .0396033 |
| #3     | .0096685 | 26.25996 | 2.583678 | .0076037 | .1590188 | .0378183 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1423710 |
| Stddev | .0005533 |
| %RSD   | .3886656 |
|        |          |
| #1     | .1426700 |
| #2     | .1427106 |
| #3     | .1417325 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1427.499 | 2624.222 | 30487.34 | 3985.767 | 2880.921 |
| Stddev    | 3.241    | 8.392    | 46.51    | 21.488   | 17.072   |
| %RSD      | .2270408 | .3197739 | .1525616 | .5391215 | .5925817 |
|           |          |          |          |          |          |
| #1        | 1429.922 | 2628.013 | 30434.06 | 3973.889 | 2890.772 |
| #2        | 1428.757 | 2630.048 | 30519.82 | 4010.572 | 2890.784 |
| #3        | 1423.817 | 2614.603 | 30508.14 | 3972.841 | 2861.208 |

Sample Name: K1342-03      Acquired: 02/13/2019 14:12:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG07      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0862380 | -.000520 | 8.290151 | .0139842 | .0025979 | 83.56014 |
| Stddev | .0048780 | .001074  | .029484  | .0022084 | .0003531 | .43294   |
| %RSD   | 5.656441 | 206.6263 | .3556453 | 15.79245 | 13.59093 | .5181147 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0810360 | -.001759 | 8.286934 | .0141054 | .0029015 | 83.50173 |
| #2 | .0869682 | .000105  | 8.262408 | .0117176 | .0026817 | 84.01932 |
| #3 | .0907097 | .000096  | 8.321112 | .0161295 | .0022104 | 83.15937 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.210482 | .0094795 | .3535663 | 72.83065 | .1399732 | .1100107 |
| Stddev | .004990  | .0000942 | .0015869 | .33549   | .0014313 | .0007509 |
| %RSD   | .4122556 | .9936581 | .4488232 | .4606394 | 1.022543 | .6825678 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.213501 | .0093925 | .3526932 | 72.97880 | .1401575 | .1095224 |
| #2 | 1.213223 | .0095795 | .3526077 | 73.06655 | .1384587 | .1096343 |
| #3 | 1.204722 | .0094663 | .3553980 | 72.44659 | .1413034 | .1108754 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8029069 | 204.4783 | 3.189381 | 7.989023 | .1816146 | -.011010 |
| Stddev | .0050960 | 1.0646   | .029240  | .013330  | .0007552 | .000132  |
| %RSD   | .6346912 | .5206566 | .9167790 | .1668584 | .4158387 | 1.195058 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8068903 | 204.2669 | 3.184007 | 7.978229 | .1821209 | -.011039 |
| #2 | .8046660 | 205.6327 | 3.220934 | 7.984915 | .1807465 | -.010866 |
| #3 | .7971644 | 203.5352 | 3.163201 | 8.003923 | .1819763 | -.011124 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .4029186 | .2611984 | F 42.71213 | 4.091428 | 2.239145 | .2529819 |
| Stddev | .1625920 | .0136009 | .40543     | .057490  | .012741  | .0015023 |
| %RSD   | 40.35358 | 5.207131 | .9492082   | 1.405136 | .5689936 | .5938274 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3814648 | .2720852 | 43.14810 | 4.080665 | 2.236106 | .2540183 |
| #2 | .5751725 | .2655577 | 42.64184 | 4.040080 | 2.228198 | .2536683 |
| #3 | .2521184 | .2459522 | 42.34644 | 4.153539 | 2.253130 | .2512590 |

Sample Name: K1342-03      Acquired: 02/13/2019 14:12:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG07      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0101893 | 29.96391 | 3.557850 | .0068923 | .1788471 | .0389665 |
| Stddev | .0004610 | .12696   | .010979  | .0008727 | .0033376 | .0012191 |
| %RSD   | 4.524452 | .4237118 | .3085952 | 12.66172 | 1.866163 | 3.128548 |
|        |          |          |          |          |          |          |
| #1     | .0097392 | 29.96773 | 3.549986 | .0078106 | .1777189 | .0378219 |
| #2     | .0101683 | 29.83508 | 3.570394 | .0060738 | .1826026 | .0388293 |
| #3     | .0106605 | 30.08892 | 3.553170 | .0067924 | .1762198 | .0402484 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1381158 |
| Stddev | .0004361 |
| %RSD   | .3157475 |
|        |          |
| #1     | .1380328 |
| #2     | .1385875 |
| #3     | .1377272 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1408.165 | 2588.921 | 30105.25 | 3933.427 | 2863.609 |
| Stddev    | 3.384    | 4.122    | 188.25   | 4.822    | 5.667    |
| %RSD      | .2402826 | .1592321 | .6252914 | .1226000 | .1979032 |
|           |          |          |          |          |          |
| #1        | 1406.844 | 2592.603 | 30106.97 | 3930.614 | 2864.486 |
| #2        | 1412.010 | 2589.693 | 30292.63 | 3938.995 | 2868.786 |
| #3        | 1405.642 | 2584.467 | 29916.15 | 3930.672 | 2857.554 |

Sample Name: K1342-05      Acquired: 02/13/2019 14:20:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG09      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0476692 | -.002637 | 9.495913 | .0131721 | .0006142 | 48.16895 |
| Stddev | .0014015 | .003204  | .066333  | .0027611 | .0013916 | .23913   |
| %RSD   | 2.940111 | 121.4947 | .6985431 | 20.96202 | 226.5701 | .4964477 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0470218 | -.006327 | 9.479941 | .0162914 | .0015160 | 48.00019 |
| #2 | .0467085 | -.000554 | 9.439024 | .0110414 | .0013152 | 48.44260 |
| #3 | .0492774 | -.001030 | 9.568774 | .0121834 | -.000989 | 48.06406 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.016964 | .0057900 | .5037679 | 58.48193 | .1624422 | .0494122 |
| Stddev | .002080  | .0001367 | .0026801 | .20226   | .0008178 | .0006268 |
| %RSD   | .2044864 | 2.360490 | .5320195 | .3458474 | .5034417 | 1.268582 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.014707 | .0056883 | .5032222 | 58.34091 | .1615175 | .0487276 |
| #2 | 1.018803 | .0059453 | .5014025 | 58.71366 | .1627387 | .0495511 |
| #3 | 1.017382 | .0057363 | .5066788 | 58.39121 | .1630704 | .0499579 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3662893 | 115.0606 | .8216706 | 5.627393 | .1525035 | -.005783 |
| Stddev | .0026615 | 1.0729   | .0061914 | .140279  | .0010264 | .000202  |
| %RSD   | .7266017 | .9324545 | .7535125 | 2.492785 | .6730643 | 3.495387 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3634524 | 114.8525 | .8232033 | 5.625592 | .1526678 | -.005674 |
| #2 | .3687312 | 116.2223 | .8269518 | 5.768563 | .1514048 | -.005659 |
| #3 | .3666842 | 114.1071 | .8148569 | 5.488023 | .1534378 | -.006016 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.361297 | .2423600 | F 43.16966 | 3.493550 | 2.219405 | .1472233 |
| Stddev | .203142  | .0029668 | .28818     | .071562  | .014377  | .0009308 |
| %RSD   | 56.22581 | 1.224127 | .6675636   | 2.048413 | .6477931 | .6322712 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.442454 | .2423225 | 43.49513 | 3.479105 | 2.209721 | .1477385 |
| #2 | -.130123 | .2453454 | 42.94692 | 3.571232 | 2.212570 | .1477826 |
| #3 | -.511316 | .2394122 | 43.06692 | 3.430312 | 2.235925 | .1461487 |

Sample Name: K1342-05      Acquired: 02/13/2019 14:20:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG09      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041368 | 4.582822 | 3.035879 | .0022435 | .2944732 | .0335025 |
| Stddev | .0001648 | .015575  | .033567  | .0016309 | .0019999 | .0021339 |
| %RSD   | 3.984566 | .3398573 | 1.105688 | 72.69361 | .6791364 | 6.369336 |
|        |          |          |          |          |          |          |
| #1     | .0040960 | 4.582103 | 3.006776 | .0010516 | .2955739 | .0350530 |
| #2     | .0039963 | 4.567619 | 3.072601 | .0041020 | .2921648 | .0343857 |
| #3     | .0043183 | 4.598744 | 3.028261 | .0015768 | .2956810 | .0310688 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0521866 |
| Stddev | .0000966 |
| %RSD   | .1851877 |
|        |          |
| #1     | .0522116 |
| #2     | .0522683 |
| #3     | .0520799 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1340.155 | 2455.039 | 28519.92 | 3731.202 | 2899.905 |
| Stddev    | .915     | 6.846    | 7.73     | 39.738   | 14.744   |
| %RSD      | .0683010 | .2788753 | .0270951 | 1.065010 | .5084377 |
|           |          |          |          |          |          |
| #1        | 1339.351 | 2455.039 | 28528.19 | 3760.926 | 2896.719 |
| #2        | 1339.962 | 2461.885 | 28512.88 | 3686.067 | 2915.982 |
| #3        | 1341.151 | 2448.192 | 28518.70 | 3746.613 | 2887.015 |

Sample Name: K1342-09      Acquired: 02/13/2019 14:24:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG11      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1086406 | -.002325 | 9.774357 | .0101619 | .0039311 | 97.36311 |
| Stddev | .0043029 | .000839  | .054335  | .0034432 | .0002976 | .30389   |
| %RSD   | 3.960680 | 36.09605 | .5558923 | 33.88380 | 7.571025 | .3121153 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1134148 | -.002520 | 9.737317 | .0124773 | .0036927 | 97.24944 |
| #2 | .1074452 | -.001405 | 9.749021 | .0062051 | .0038359 | 97.13246 |
| #3 | .1050618 | -.003049 | 9.836733 | .0118033 | .0042646 | 97.70745 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.122841 | .0112783 | .7164551 | 28.12699 | .2543908 | .2256637 |
| Stddev | .004634  | .0001105 | .0029524 | .15841   | .0030656 | .0015292 |
| %RSD   | .4126801 | .9794225 | .4120804 | .5631888 | 1.205086 | .6776395 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.117884 | .0112107 | .7140414 | 27.94443 | .2515857 | .2243708 |
| #2 | 1.127065 | .0112184 | .7155771 | 28.22817 | .2576633 | .2252686 |
| #3 | 1.123573 | .0114058 | .7197469 | 28.20836 | .2539234 | .2273516 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5252135 | 281.3808 | 7.194390 | 8.784678 | .2237378 | -.014596 |
| Stddev | .0017053 | 1.9364   | .026607  | .068421  | .0005943 | .000151  |
| %RSD   | .3246855 | .6881944 | .3698299 | .7788700 | .2655997 | 1.034839 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5255008 | 280.4562 | 7.171094 | 8.754006 | .2237550 | -.014446 |
| #2 | .5267568 | 280.0799 | 7.188692 | 8.736960 | .2231351 | -.014595 |
| #3 | .5233828 | 283.6062 | 7.223385 | 8.863069 | .2243232 | -.014748 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.660576 | .4413928 | F 87.07241 | 5.633341 | 3.399127 | .3441982 |
| Stddev | .210723  | .0054723 | 1.38290    | .061631  | .019987  | .0023029 |
| %RSD   | 31.89996 | 1.239774 | 1.588219   | 1.094043 | .5880184 | .6690504 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.887245 | .4382949 | 85.86866 | 5.562517 | 3.380498 | .3415450 |
| #2 | -.623856 | .4477112 | 88.58294 | 5.662721 | 3.396641 | .3456776 |
| #3 | -.470625 | .4381722 | 86.76562 | 5.674785 | 3.420241 | .3453721 |



Sample Name: K1342-09      Acquired: 02/13/2019 14:24:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG11      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0078080 | 23.34042 | 3.021804 | .0124473 | .1856129 | .0410851 |
| Stddev | .0003077 | .10022   | .038401  | .0019554 | .0026226 | .0016084 |
| %RSD   | 3.940455 | .4293848 | 1.270806 | 15.70915 | 1.412957 | 3.914709 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0078180 | 23.30321 | 3.031135 | .0138155 | .1851464 | .0395306 |
| #2 | .0074954 | 23.26413 | 2.979597 | .0133188 | .1884375 | .0427424 |
| #3 | .0081105 | 23.45393 | 3.054679 | .0102078 | .1832548 | .0409823 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0914415 |
| Stddev | .0001961 |
| %RSD   | .2144114 |

|    |          |
|----|----------|
| #1 | .0913537 |
| #2 | .0913047 |
| #3 | .0916661 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1477.116 | 2705.368 | 31525.04 | 4097.611 | 2874.257 |
| Stddev    | 9.669    | 3.081    | 339.96   | 45.263   | 6.631    |
| %RSD      | .6545855 | .1138877 | 1.078382 | 1.104628 | .2307118 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1487.922 | 2705.503 | 31895.80 | 4091.495 | 2876.521 |
| #2 | 1469.281 | 2708.380 | 31227.96 | 4145.621 | 2879.459 |
| #3 | 1474.145 | 2702.222 | 31451.36 | 4055.717 | 2866.790 |

Sample Name: K1342-11      Acquired: 02/13/2019 14:32:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG13      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0507534 | -.004587 | .4440838 | .0060007 | .0078046 | 127.8913 | 1.725865 |
| Stddev | .0026149 | .001056  | .0039811 | .0010598 | .0001989 | .0853    | .000983  |
| %RSD   | 5.152219 | 23.01372 | .8964660 | 17.66205 | 2.548998 | .0666778 | .0569480 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0531669 | -.003707 | .4402863 | .0064743 | .0075774 | 127.9887 | 1.724963 |
| #2 | .0479753 | -.005758 | .4437391 | .0047866 | .0078892 | 127.8556 | 1.725719 |
| #3 | .0511181 | -.004297 | .4482260 | .0067411 | .0079473 | 127.8297 | 1.726912 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0138341 | .1226576 | 35.61553 | .1842011 | .0810377 | .1169380 | 222.7403 |
| Stddev | .0000520 | .0006571 | .09104   | .0001146 | .0002654 | .0020417 | .4406    |
| %RSD   | .3760685 | .5357337 | .2556102 | .0621977 | .3274669 | 1.745942 | .1978105 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0138834 | .1226418 | 35.54788 | .1842840 | .0809252 | .1186302 | 222.3544 |
| #2 | .0138392 | .1220086 | 35.71903 | .1842490 | .0808470 | .1175135 | 222.6461 |
| #3 | .0137797 | .1233225 | 35.57968 | .1840703 | .0813407 | .1146704 | 223.2204 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.150678 | 9.500113 | .1457788 | -.012069 | -.473023 | .3383112 | 15.19695 |
| Stddev | .006180  | .040398  | .0001858 | .000202  | .125670  | .0038391 | .16245   |
| %RSD   | .5370693 | .4252323 | .1274910 | 1.677522 | 26.56732 | 1.134786 | 1.068982 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.146203 | 9.476629 | .1455791 | -.012297 | -.604280 | .3423147 | 15.00949 |
| #2 | 1.148101 | 9.546759 | .1459467 | -.011997 | -.353807 | .3346608 | 15.28480 |
| #3 | 1.157729 | 9.476949 | .1458107 | -.011912 | -.460984 | .3379582 | 15.29655 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.980117 | 1.024177 | .2717366 | .0025758 | 1.991311 | 2.835006 | .0092127 |
| Stddev | .047460  | .010791  | .0055477 | .0001497 | .017021  | .009799  | .0017211 |
| %RSD   | .9529970 | 1.053604 | 2.041573 | 5.811436 | .8547733 | .3456423 | 18.68139 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.034629 | 1.023945 | .2661476 | .0025294 | 1.988235 | 2.839893 | .0074719 |
| #2 | 4.957743 | 1.013504 | .2718201 | .0027432 | 1.976038 | 2.841400 | .0092530 |
| #3 | 4.947979 | 1.035081 | .2772421 | .0024547 | 2.009661 | 2.823724 | .0109133 |

Sample Name: K1342-11      Acquired: 02/13/2019 14:32:30      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG13      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1851724 | .0487434 | .1431553 |
| Stddev | .0014414 | .0009306 | .0003786 |
| %RSD   | .7784259 | 1.909183 | .2644391 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1864883 | .0496995 | .1435329 |
| #2 | .1853971 | .0478406 | .1431572 |
| #3 | .1836318 | .0486902 | .1427758 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1556.037 | 2889.073 | 33192.65 | 4334.449 | 2895.910 |
| Stddev    | .977     | 11.622   | 189.19   | 27.452   | 12.147   |
| %RSD      | .0628038 | .4022703 | .5699756 | .6333497 | .4194516 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1555.049 | 2884.432 | 32977.66 | 4308.174 | 2897.526 |
| #2 | 1557.003 | 2902.299 | 33266.62 | 4332.229 | 2907.167 |
| #3 | 1556.058 | 2880.489 | 33333.69 | 4362.943 | 2883.035 |

Sample Name: K1342-10      Acquired: 02/13/2019 14:28:28      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG12      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1518896 | -.001615 | .3081164 | .0086441 | .0129489 | 157.0284 | 1.286605 |
| Stddev | .0013634 | .003214  | .0016458 | .0024920 | .0008653 | 1.0172   | .004455  |
| %RSD   | .8976529 | 199.0175 | .5341592 | 28.82884 | 6.682773 | .6478120 | .3462454 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1515147 | -.000394 | .3076498 | .0075410 | .0122585 | 157.5025 | 1.287745 |
| #2 | .1507528 | -.005260 | .3099452 | .0114972 | .0126685 | 155.8606 | 1.281691 |
| #3 | .1534012 | .000810  | .3067543 | .0068940 | .0139197 | 157.7220 | 1.290380 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0147936 | .0268655 | 27.77299 | .3275188 | .1402276 | .0880007 | 389.8353 |
| Stddev | .0001552 | .0002560 | .07985   | .0004413 | .0007634 | .0049560 | 2.0846   |
| %RSD   | 1.049074 | .9527213 | .2874941 | .1347351 | .5443849 | 5.631800 | .5347515 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0148981 | .0265915 | 27.73111 | .3276670 | .1402316 | .0824197 | 391.3442 |
| #2 | .0146153 | .0269065 | 27.72280 | .3270225 | .1394621 | .0918871 | 387.4566 |
| #3 | .0148675 | .0270985 | 27.86506 | .3278669 | .1409889 | .0896954 | 390.7051 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.009427 | 11.32969 | .1166566 | -.021976 | -.650372 | .6084309 | 7.606455 |
| Stddev | .032019  | .01126   | .0010856 | .000344  | .419394  | .0136577 | .087923  |
| %RSD   | .7986041 | .0993480 | .9306125 | 1.567277 | 64.48534 | 2.244743 | 1.155902 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.019707 | 11.32177 | .1173000 | -.022233 | -1.12685 | .6062258 | 7.514357 |
| #2 | 3.973530 | 11.32472 | .1154031 | -.022110 | -.33719  | .5960098 | 7.689503 |
| #3 | 4.035044 | 11.34257 | .1172665 | -.021585 | -.48707  | .6230569 | 7.615506 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.009503 | 2.381077 | .4718185 | .0098403 | 5.528686 | 3.074027 | .0106715 |
| Stddev | .077931  | .007362  | .0051115 | .0001084 | .018328  | .029656  | .0024458 |
| %RSD   | 1.296797 | .3091811 | 1.083358 | 1.101360 | .3314990 | .9647309 | 22.91910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.989544 | 2.384682 | .4766398 | .0097412 | 5.536935 | 3.078935 | .0108046 |
| #2 | 5.943492 | 2.372607 | .4723562 | .0098237 | 5.507684 | 3.042223 | .0081618 |
| #3 | 6.095472 | 2.385942 | .4664594 | .0099560 | 5.541441 | 3.100923 | .0130480 |

Sample Name: K1342-10      Acquired: 02/13/2019 14:28:28      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG12      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3731358 | .0544913 | .1217975 |
| Stddev | .0016188 | .0024785 | .0007052 |
| %RSD   | .4338409 | 4.548458 | .5790093 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3714171 | .0571821 | .1214041 |
| #2 | .3733587 | .0539902 | .1213768 |
| #3 | .3746317 | .0523016 | .1226117 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1390.549 | 2581.993 | 29737.78 | 3888.732 | 2884.529 |
| Stddev    | 11.029   | 2.272    | 42.52    | 40.508   | 4.363    |
| %RSD      | .7931578 | .0879973 | .1429776 | 1.041669 | .1512699 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1379.891 | 2583.068 | 29724.32 | 3858.109 | 2879.494 |
| #2 | 1389.839 | 2583.528 | 29703.62 | 3934.663 | 2886.894 |
| #3 | 1401.916 | 2579.383 | 29785.40 | 3873.425 | 2887.200 |

Sample Name: K1342-12      Acquired: 02/13/2019 14:36:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG14      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0984949 | -.003478 | .3060296 | .0050622 | .0094047 | 143.2340 | 1.339065 |
| Stddev | .0023491 | .003871  | .0015036 | .0020692 | .0023432 | .5525    | .000208  |
| %RSD   | 2.384995 | 111.2902 | .4913286 | 40.87595 | 24.91560 | .3857392 | .0155300 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1008126 | .000248  | .3053592 | .0069767 | .0087635 | 143.1565 | 1.338854 |
| #2 | .0961156 | -.003203 | .3077518 | .0028669 | .0120019 | 143.8212 | 1.339071 |
| #3 | .0985565 | -.007479 | .3049778 | .0053430 | .0074489 | 142.7244 | 1.339269 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0156978 | .1871671 | 20.44253 | .2563456 | .1117771 | .0776803 | 307.3653 |
| Stddev | .0000804 | .0011840 | .07580   | .0004257 | .0006106 | .0008778 | 2.3854   |
| %RSD   | .5122423 | .6326133 | .3707730 | .1660647 | .5462826 | 1.129989 | .7760776 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0156139 | .1864418 | 20.46068 | .2566127 | .1119632 | .0772413 | 307.7598 |
| #2 | .0157742 | .1865261 | 20.50760 | .2565693 | .1110951 | .0786909 | 309.5288 |
| #3 | .0157054 | .1885334 | 20.35931 | .2558546 | .1122731 | .0771086 | 304.8072 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.304359 | 9.546947 | .1599725 | -.017200 | -.638420 | .4849695 | 21.39739 |
| Stddev | .020081  | .035311  | .0004206 | .000204  | .097233  | .0053828 | .03480   |
| %RSD   | .6077205 | .3698710 | .2629036 | 1.185980 | 15.23027 | 1.109922 | .1626513 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.313478 | 9.507578 | .1598092 | -.017033 | -.620471 | .4876514 | 21.43718 |
| #2 | 3.318263 | 9.575822 | .1596582 | -.017428 | -.551411 | .4787726 | 21.38238 |
| #3 | 3.281337 | 9.557442 | .1604503 | -.017140 | -.743376 | .4884844 | 21.37261 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.008556 | 1.784722 | .3764740 | .0064313 | 2.617778 | 2.039004 | .0106078 |
| Stddev | .074128  | .000856  | .0068647 | .0004925 | .011659  | .012952  | .0021489 |
| %RSD   | 1.233714 | .0479820 | 1.823410 | 7.657637 | .4453883 | .6351938 | 20.25802 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.938596 | 1.785095 | .3817444 | .0059111 | 2.621607 | 2.028750 | .0130803 |
| #2 | 6.086247 | 1.783743 | .3789663 | .0064924 | 2.604686 | 2.053559 | .0095533 |
| #3 | 6.000825 | 1.785329 | .3687113 | .0068903 | 2.627041 | 2.034702 | .0091898 |

Sample Name: K1342-12      Acquired: 02/13/2019 14:36:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG14      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3314287 | .0463248 | .0882123 |
| Stddev | .0023812 | .0008190 | .0001618 |
| %RSD   | .7184752 | 1.767986 | .1833648 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3305155 | .0461336 | .0882413 |
| #2 | .3341313 | .0472225 | .0883576 |
| #3 | .3296392 | .0456183 | .0880380 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1516.066 | 2809.637 | 32213.06 | 4216.731 | 2879.487 |
| Stddev    | 3.978    | 4.958    | 77.54    | 31.715   | 8.080    |
| %RSD      | .2624161 | .1764798 | .2407235 | .7521195 | .2806018 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1520.635 | 2812.156 | 32298.57 | 4227.083 | 2880.042 |
| #2 | 1514.199 | 2812.829 | 32193.30 | 4181.134 | 2887.275 |
| #3 | 1513.365 | 2803.924 | 32147.31 | 4241.977 | 2871.144 |

Sample Name: CCV007      Acquired: 02/13/2019 14:40:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV007      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.940776 | 4.873130 | 23.87715 | 5.176424 | 5.219867 | 391.1234 | 9.640755 |
| Stddev | .026974  | .029269  | .15666   | .015119  | .029369  | .9638    | .009244  |
| %RSD   | .5459511 | .6006138 | .6561246 | .2920826 | .5626368 | .2464190 | .0958823 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.917488 | 4.857299 | 23.78677 | 5.160065 | 5.190455 | 391.8129 | 9.630124 |
| #2 | 4.934507 | 4.855186 | 23.78663 | 5.179322 | 5.219951 | 391.5353 | 9.645242 |
| #3 | 4.970332 | 4.906904 | 24.05805 | 5.189885 | 5.249193 | 390.0221 | 9.646899 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5020368 | 2.483851 | 376.9298 | 15.10634 | 2.485414 | 14.87194 | 414.2477 |
| Stddev | .0022864 | .010755  | .3971    | .02678   | .012339  | .04476   | 2.3585   |
| %RSD   | .4554195 | .4330108 | .1053494 | .1772722 | .4964742 | .3009643 | .5693573 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5034839 | 2.477234 | 376.4758 | 15.07849 | 2.478336 | 14.91784 | 416.3073 |
| #2 | .5032256 | 2.478058 | 377.1018 | 15.13190 | 2.478243 | 14.86958 | 414.7609 |
| #3 | .4994009 | 2.496261 | 377.2120 | 15.10862 | 2.499662 | 14.82841 | 411.6747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.52424 | 408.1205 | 2.471095 | 1.202888 | 399.0652 | 2.469947 | 15.57897 |
| Stddev | .09304   | 3.1061   | .013294  | .009227  | 1.3035   | .008992  | .08371   |
| %RSD   | .6405746 | .7610683 | .5379882 | .7670557 | .3266288 | .3640685 | .5373002 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.61064 | 411.0019 | 2.464419 | 1.199411 | 400.1637 | 2.479831 | 15.66595 |
| #2 | 14.53633 | 408.5293 | 2.462462 | 1.195905 | 399.4070 | 2.467760 | 15.57199 |
| #3 | 14.42575 | 404.8302 | 2.486404 | 1.213348 | 397.6249 | 2.462250 | 15.49897 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 149.9044 | 4.962425 | 5.122171 | 5.195100 | 4.663243 | 4.856765 | 4.971644 |
| Stddev | .2312    | .030104  | .026618  | .018525  | .018978  | .025464  | .022038  |
| %RSD   | .1542588 | .6066325 | .5196688 | .3565912 | .4069597 | .5242906 | .4432691 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 149.7195 | 4.938589 | 5.136441 | 5.183598 | 4.646054 | 4.870186 | 4.956412 |
| #2 | 150.1637 | 4.952431 | 5.138611 | 5.185232 | 4.660068 | 4.872711 | 4.961606 |
| #3 | 149.8300 | 4.996254 | 5.091460 | 5.216470 | 4.683608 | 4.827399 | 4.996913 |



Sample Name: CCV007      Acquired: 02/13/2019 14:40:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV007      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.777241 | 5.010663 | 4.902660 |
| Stddev | .013078  | .006111  | .007110  |
| %RSD   | .2737655 | .1219683 | .1450158 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.785383 | 5.003629 | 4.897217 |
| #2 | 4.784184 | 5.014670 | 4.900060 |
| #3 | 4.762155 | 5.013690 | 4.910704 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1051.305 | 1931.908 | 24348.52 | 3200.482 | 2391.388 |
| Stddev    | 1.819    | 3.936    | 45.38    | 14.187   | 7.891    |
| %RSD      | .1730278 | .2037362 | .1863892 | .4432703 | .3299646 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1052.378 | 1936.452 | 24307.05 | 3184.957 | 2397.209 |
| #2 | 1052.331 | 1929.572 | 24341.50 | 3203.718 | 2394.549 |
| #3 | 1049.204 | 1929.699 | 24397.00 | 3212.772 | 2382.407 |

Sample Name: CCB007      Acquired: 02/13/2019 14:44:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB007      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001275 | -.001157 | .0017383 | .0011625 | .0013490 | .0082399 | -.002443 |
| Stddev | .004305  | .002231  | .0017963 | .0016885 | .0011415 | .0198157 | .000231  |
| %RSD   | 337.5859 | 192.8806 | 103.3354 | 145.2513 | 84.61561 | 240.4857 | 9.466451 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .002740  | -.001239 | .0036942 | -.000602 | .0005389 | .0308651 | -.002599 |
| #2 | -.000745 | -.003345 | .0013580 | .001327  | .0008536 | -.006028 | -.002552 |
| #3 | -.005821 | .001114  | .0001626 | .002763  | .0026544 | -.000118 | -.002177 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000026 | .0000520 | -.027001 | -.000324 | -.000030 | .0006983 | .0063085 |
| Stddev | .000055  | .0000169 | .010241  | .000415  | .000089  | .0056449 | .0257651 |
| %RSD   | 209.7071 | 32.54683 | 37.92715 | 127.9659 | 298.2207 | 808.3390 | 408.4183 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000071 | .0000711 | -.038408 | .000146  | -.000002 | -.001152 | .0359579 |
| #2 | .000035  | .0000389 | -.018599 | -.000638 | -.000130 | -.003789 | -.010644 |
| #3 | -.000043 | .0000460 | -.023996 | -.000481 | .000042  | .007036  | -.006388 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011319 | -.012787 | -.000403 | .0004359 | -.295965 | -.004243 | .0056897 |
| Stddev | .0012743 | .077138  | .000230  | .0003860 | .419201  | .007706  | .0074357 |
| %RSD   | 112.5798 | 603.2334 | 56.95252 | 88.54316 | 141.6387 | 181.6173 | 130.6859 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009817 | -.083866 | -.000276 | .0005639 | -.752303 | -.009884 | .0013950 |
| #2 | -.000061 | .069239  | -.000266 | .0000022 | .072012  | .004537  | .0013985 |
| #3 | .002475  | -.023735 | -.000668 | .0007417 | -.207605 | -.007383 | .0142757 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.131148 | -.004345 | .0018399 | -.000172 | -.007568 | -.002500 | -.001357 |
| Stddev | .036045  | .003188  | .0003701 | .000206  | .001723  | .000369  | .000497  |
| %RSD   | 27.48413 | 73.37429 | 20.11560 | 119.4091 | 22.76329 | 14.74000 | 36.62943 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.093781 | -.007527 | .0016104 | -.000370 | -.008781 | -.002172 | -.001379 |
| #2 | -.133956 | -.004358 | .0022669 | .000040  | -.005596 | -.002899 | -.000850 |
| #3 | -.165707 | -.001150 | .0016425 | -.000187 | -.008326 | -.002429 | -.001844 |

Sample Name: CCB007      Acquired: 02/13/2019 14:44:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB007      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0007473 | -.000228 | -.000202 |
| Stddev | .0021120 | .001304  | .000109  |
| %RSD   | 282.6303 | 572.0391 | 54.11914 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000929 | -.001711 | -.000181 |
| #2 | .003120  | .000738  | -.000104 |
| #3 | .000051  | .000289  | -.000319 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1234.141 | 2265.394 | 25892.72 | 3303.442 | 2965.997 |
| Stddev    | 3.127    | 5.360    | 150.15   | 11.925   | 10.225   |
| %RSD      | .2533838 | .2365978 | .5799080 | .3610001 | .3447299 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1235.485 | 2265.745 | 26026.31 | 3314.375 | 2964.371 |
| #2 | 1236.371 | 2270.571 | 25921.65 | 3305.225 | 2976.938 |
| #3 | 1230.566 | 2259.868 | 25730.21 | 3290.725 | 2956.683 |

Sample Name: K1342-13      Acquired: 02/13/2019 14:48:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1336363 | .0020232 | .2311702 | .0146634 | .0145937 | 106.0617 |
| Stddev | .0062638 | .0027349 | .0017141 | .0025542 | .0028841 | .2097    |
| %RSD   | 4.687188 | 135.1746 | .7414884 | 17.41885 | 19.76238 | .1977554 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1282477 | .0051799 | .2292933 | .0173011 | .0112756 | 105.8576 |
| #2 | .1321525 | .0005212 | .2315647 | .0144873 | .0160073 | 106.0508 |
| #3 | .1405088 | .0003685 | .2326527 | .0122018 | .0164983 | 106.2767 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9665213 | .0123715 | .1787524 | 12.05874 | .4133316 | .0700058 |
| Stddev | .0004479 | .0001729 | .0006449 | .02834   | .0018263 | .0005630 |
| %RSD   | .0463417 | 1.397340 | .3607586 | .2350461 | .4418463 | .8042514 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9661905 | .0122617 | .1785080 | 12.04074 | .4152591 | .0694334 |
| #2 | .9663424 | .0122821 | .1782654 | 12.09141 | .4116269 | .0700251 |
| #3 | .9670310 | .0125708 | .1794837 | 12.04407 | .4131087 | .0705590 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0756104 | 341.7050 | 1.249018 | 6.448472 | .1042407 | -.018953 |
| Stddev | .0045160 | .3904    | .006418  | .092724  | .0002865 | .000445  |
| %RSD   | 5.972770 | .1142631 | .5138245 | 1.437923 | .2748537 | 2.345894 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0704253 | 341.2953 | 1.243736 | 6.347041 | .1042469 | -.018508 |
| #2 | .0777219 | 342.0729 | 1.247159 | 6.528879 | .1039511 | -.019397 |
| #3 | .0786838 | 341.7468 | 1.256161 | 6.469496 | .1045241 | -.018955 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.482897 | .7092885 | F 30.78034 | 4.099398 | 2.081170 | .4291644 |
| Stddev | .445705  | .0122924 | .31431     | .059250  | .008804  | .0030586 |
| %RSD   | 92.29808 | 1.733056 | 1.021130   | 1.445339 | .4230502 | .7126936 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.599017 | .6974398 | 31.00301 | 4.031527 | 2.079260 | .4277114 |
| #2 | .009375  | .7084447 | 30.42080 | 4.140795 | 2.073478 | .4326787 |
| #3 | -.859048 | .7219811 | 30.91719 | 4.125873 | 2.090773 | .4271030 |

Sample Name: K1342-13      Acquired: 02/13/2019 14:48:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0111815 | 1.350416 | 3.917276 | .0085591 | .4390228 | .0447309 |
| Stddev | .0003085 | .008329  | .007019  | .0002294 | .0037866 | .0020166 |
| %RSD   | 2.759317 | .6167798 | .1791748 | 2.680084 | .8624964 | 4.508226 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0112615 | 1.342671 | 3.911631 | .0084269 | .4346529 | .0424064 |
| #2 | .0114422 | 1.349351 | 3.925135 | .0084263 | .4413347 | .0460121 |
| #3 | .0108409 | 1.359226 | 3.915064 | .0088239 | .4410808 | .0457742 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0660048 |
| Stddev | .0000799 |
| %RSD   | .1210413 |

|    |          |
|----|----------|
| #1 | .0660736 |
| #2 | .0659172 |
| #3 | .0660236 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1307.863 | 2424.238 | 27837.47 | 3637.554 | 2879.766 |
| Stddev    | 6.882    | 4.096    | 144.85   | 7.888    | 4.529    |
| %RSD      | .5262029 | .1689659 | .5203414 | .2168510 | .1572541 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1299.922 | 2421.301 | 27688.33 | 3632.574 | 2879.505 |
| #2 | 1311.567 | 2428.918 | 27846.47 | 3633.440 | 2884.420 |
| #3 | 1312.099 | 2422.497 | 27977.61 | 3646.649 | 2875.374 |

Sample Name: K1342-15      Acquired: 02/13/2019 14:56:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG17      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0343295 | .0000450 | .3489962 | .0040279 | .0068466 | 155.8182 | 1.352378 |
| Stddev | .0054163 | .0007972 | .0012856 | .0014467 | .0040375 | .9566    | .004665  |
| %RSD   | 15.77727 | 1770.829 | .3683823 | 35.91783 | 58.97061 | .6139259 | .3449413 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0378283 | .0008842 | .3485664 | .0029245 | .0114384 | 154.9326 | 1.347820 |
| #2 | .0370694 | -.000702 | .3479806 | .0056659 | .0052496 | 155.6892 | 1.352171 |
| #3 | .0280907 | -.000047 | .3504417 | .0034934 | .0038519 | 156.8327 | 1.357143 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055142 | .0923329 | 36.22761 | .1970878 | .0262746 | .1421221 | 152.7869 |
| Stddev | .0000235 | .0002350 | .09234   | .0009183 | .0005568 | .0019528 | 1.0332   |
| %RSD   | .4261857 | .2545203 | .2548896 | .4659532 | 2.119016 | 1.374034 | .6762550 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0054944 | .0921910 | 36.18844 | .1960470 | .0262799 | .1402695 | 151.8245 |
| #2 | .0055402 | .0922036 | 36.16131 | .1974324 | .0257152 | .1419352 | 152.6573 |
| #3 | .0055079 | .0926042 | 36.33308 | .1977839 | .0268286 | .1441617 | 153.8788 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1823757 | 7.810288 | .0654670 | -.008115 | -.362130 | .2860456 | 8.319079 |
| Stddev | .0023170 | .091772  | .0001678 | .000480  | .242667  | .0078844 | .074589  |
| %RSD   | 1.270471 | 1.175017 | .2563953 | 5.920366 | 67.01093 | 2.756358 | .8965977 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1816442 | 7.719741 | .0653490 | -.008655 | -.218770 | .2807818 | 8.379604 |
| #2 | .1805127 | 7.807883 | .0656591 | -.007954 | -.642312 | .2822444 | 8.341883 |
| #3 | .1849702 | 7.903238 | .0653927 | -.007736 | -.225308 | .2951105 | 8.235751 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.319610 | 1.178395 | .1901678 | .0019087 | 1.903295 | 3.593035 | .0061443 |
| Stddev | .074111  | .006111  | .0019507 | .0003004 | .005688  | .036091  | .0009932 |
| %RSD   | 1.393160 | .5186102 | 1.025775 | 15.73863 | .2988293 | 1.004471 | 16.16375 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.316720 | 1.176262 | .1886336 | .0022016 | 1.906413 | 3.567942 | .0072699 |
| #2 | 5.246987 | 1.173635 | .1895067 | .0019232 | 1.896731 | 3.576765 | .0057719 |
| #3 | 5.395124 | 1.185286 | .1923632 | .0016013 | 1.906742 | 3.634396 | .0053912 |

Sample Name: K1342-15      Acquired: 02/13/2019 14:56:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG17      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1276515 | .0510866 | .1051130 |
| Stddev | .0025206 | .0015127 | .0000917 |
| %RSD   | 1.974563 | 2.961070 | .0872545 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1266302 | .0503565 | .1050920 |
| #2 | .1258019 | .0500774 | .1050335 |
| #3 | .1305225 | .0528259 | .1052133 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1284.283 | 2390.690 | 27468.59 | 3629.152 | 2914.230 |
| Stddev    | 11.749   | 5.778    | 84.66    | 27.760   | 6.472    |
| %RSD      | .9148580 | .2416822 | .3082107 | .7649123 | .2220676 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1271.758 | 2386.987 | 27397.09 | 3635.508 | 2913.645 |
| #2 | 1295.061 | 2397.348 | 27562.08 | 3653.183 | 2920.975 |
| #3 | 1286.030 | 2387.735 | 27446.62 | 3598.766 | 2908.072 |

Sample Name: K1342-14      Acquired: 02/13/2019 14:52:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG16      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0693191 | -.002549 | .3901322 | .0082248 | .0078969 | 162.5803 | 1.978685 |
| Stddev | .0040563 | .002581  | .0022403 | .0017337 | .0019195 | .4731    | .005486  |
| %RSD   | 5.851645 | 101.2560 | .5742431 | 21.07893 | 24.30718 | .2910132 | .2772763 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0740013 | -.002649 | .3892258 | .0102265 | .0060425 | 162.7322 | 1.980399 |
| #2 | .0670857 | .000081  | .3884872 | .0071985 | .0077728 | 162.9589 | 1.983110 |
| #3 | .0668703 | -.005078 | .3926837 | .0072495 | .0098756 | 162.0499 | 1.972546 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0134929 | .0601053 | 27.59618 | .1923363 | .0924634 | .0992706 | 213.0035 |
| Stddev | .0000430 | .0003685 | .03972   | .0001807 | .0003762 | .0013090 | .3160    |
| %RSD   | .3183695 | .6130517 | .1439492 | .0939380 | .4068066 | 1.318645 | .1483529 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0134723 | .0600351 | 27.58772 | .1921467 | .0924528 | .1002715 | 213.3450 |
| #2 | .0134641 | .0597770 | 27.63945 | .1925064 | .0920927 | .0977892 | 212.7215 |
| #3 | .0135423 | .0605038 | 27.56136 | .1923558 | .0928448 | .0997511 | 212.9439 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.906651 | 11.31106 | .1306513 | -.011435 | -.356067 | .3959156 | 10.32003 |
| Stddev | .011373  | .08563   | .0003510 | .000074  | .068544  | .0017653 | .04052   |
| %RSD   | .5965096 | .7570466 | .2686273 | .6513939 | 19.25022 | .4458738 | .3926763 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.919091 | 11.37102 | .1304576 | -.011357 | -.313991 | .3957377 | 10.36318 |
| #2 | 1.904077 | 11.34917 | .1304397 | -.011506 | -.319048 | .3942459 | 10.31412 |
| #3 | 1.896786 | 11.21300 | .1310564 | -.011443 | -.435160 | .3977630 | 10.28278 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.201618 | 1.175223 | .2631276 | .0041980 | 3.148152 | 1.825319 | .0106101 |
| Stddev | .042359  | .008806  | .0024540 | .0002467 | .019788  | .008516  | .0014320 |
| %RSD   | .6830388 | .7493273 | .9326441 | 5.876489 | .6285522 | .4665494 | 13.49694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.182903 | 1.169018 | .2618520 | .0039210 | 3.132816 | 1.817423 | .0120958 |
| #2 | 6.250111 | 1.171348 | .2659567 | .0043941 | 3.141152 | 1.824192 | .0092385 |
| #3 | 6.171839 | 1.185302 | .2615741 | .0042788 | 3.170488 | 1.834343 | .0104961 |



Sample Name: K1342-14      Acquired: 02/13/2019 14:52:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG16      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1868567 | .0473431 | .1523511 |
| Stddev | .0019178 | .0004116 | .0001891 |
| %RSD   | 1.026329 | .8694342 | .1241511 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1858875 | .0470708 | .1523866 |
| #2 | .1890656 | .0471418 | .1525200 |
| #3 | .1856169 | .0478166 | .1521468 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1509.178 | 2761.277 | 32116.78 | 4194.730 | 2885.664 |
| Stddev    | 4.779    | 2.372    | 115.13   | 11.295   | 8.629    |
| %RSD      | .3166591 | .0859103 | .3584579 | .2692598 | .2990358 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1503.735 | 2758.804 | 31984.83 | 4183.668 | 2889.404 |
| #2 | 1511.112 | 2763.534 | 32196.72 | 4194.278 | 2891.793 |
| #3 | 1512.686 | 2761.493 | 32168.80 | 4206.244 | 2875.796 |

Sample Name: K1342-16      Acquired: 02/13/2019 15:00:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG18      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0603421 | -.001440 | 6.104692 | .0138966 | -.004941 | 4.771557 |
| Stddev | .0007327 | .001833  | .027298  | .0028722 | .001455  | .014658  |
| %RSD   | 1.214223 | 127.2582 | .4471655 | 20.66832 | 29.44296 | .3072012 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0597985 | -.000436 | 6.084597 | .0149424 | -.006434 | 4.775917 |
| #2 | .0611753 | -.000329 | 6.093708 | .0160993 | -.003528 | 4.755214 |
| #3 | .0600524 | -.003555 | 6.135771 | .0106480 | -.004862 | 4.783541 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0281346 | .0012553 | .9207931 | 11.27413 | .0280772 | .0091918 |
| Stddev | .0009259 | .0000251 | .0036186 | .03949   | .0003192 | .0002184 |
| %RSD   | 3.291010 | 1.996157 | .3929892 | .3502942 | 1.136727 | 2.375770 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0281989 | .0012842 | .9180077 | 11.31796 | .0283735 | .0089401 |
| #2 | .0290268 | .0012417 | .9194883 | 11.24132 | .0277392 | .0093305 |
| #3 | .0271783 | .0012399 | .9248831 | 11.26311 | .0281189 | .0093049 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6852661 | 54.86198 | .2518296 | 5.305795 | .0594550 | -.002216 |
| Stddev | .0043909 | .23098   | .0010742 | .036493  | .0008171 | .000308  |
| %RSD   | .6407648 | .4210169 | .4265639 | .6877963 | 1.374249 | 13.90695 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6897999 | 55.00343 | .2509015 | 5.339614 | .0590840 | -.002512 |
| #2 | .6810335 | 54.59543 | .2530063 | 5.267115 | .0588893 | -.002240 |
| #3 | .6849648 | 54.98706 | .2515810 | 5.310656 | .0603918 | -.001897 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.220996 | .0383630 | F 158.1503 | .8663188 | 1.291981 | .0700969 |
| Stddev | .040246  | .0070337 | 1.0617     | .0278257 | .003805  | .0009718 |
| %RSD   | 18.21123 | 18.33448 | .6713163   | 3.211942 | .2944889 | 1.386427 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.174760 | .0311476 | 158.5761 | .8981321 | 1.289939 | .0690159 |
| #2 | -.248162 | .0451995 | 156.9418 | .8543112 | 1.289633 | .0703765 |
| #3 | -.240067 | .0387419 | 158.9329 | .8465132 | 1.296371 | .0708983 |

Sample Name: K1342-16      Acquired: 02/13/2019 15:00:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG18      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0056390 | 55.10988 | 7.382566 | .0020608 | .0452516 | -.000317 |
| Stddev | .0002668 | .23115   | .031944  | .0012278 | .0018789 | .001121  |
| %RSD   | 4.730499 | .4194295 | .4326892 | 59.57936 | 4.152044 | 353.3061 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0059436 | 54.93881 | 7.351789 | .0013472 | .0466377 | .000089  |
| #2 | .0055265 | 55.01799 | 7.415560 | .0034785 | .0460038 | -.001585 |
| #3 | .0054469 | 55.37285 | 7.380348 | .0013566 | .0431131 | .000544  |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0104162 |
| Stddev | .0000511 |
| %RSD   | .4908479 |

|    |          |
|----|----------|
| #1 | .0103724 |
| #2 | .0104037 |
| #3 | .0104724 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1295.264 | 2385.507 | 27461.11 | 3565.575 | 2991.149 |
| Stddev    | 4.539    | 1.832    | 85.75    | 5.826    | 5.524    |
| %RSD      | .3504564 | .0768028 | .3122428 | .1634039 | .1846833 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1291.814 | 2384.744 | 27363.14 | 3571.750 | 2993.380 |
| #2 | 1293.573 | 2387.597 | 27497.68 | 3560.175 | 2995.209 |
| #3 | 1300.407 | 2384.179 | 27522.50 | 3564.800 | 2984.858 |

Sample Name: K1342-17      Acquired: 02/13/2019 15:04:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG19      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0468756 | -.000672 | 5.483531 | .0156867 | .0001508 | 4.837686 |
| Stddev | .0010795 | .001555  | .031855  | .0019834 | .0013268 | .024596  |
| %RSD   | 2.302906 | 231.5129 | .5809240 | 12.64418 | 879.9053 | .5084223 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0470365 | -.002111 | 5.455444 | .0143442 | -.000871 | 4.855280 |
| #2 | .0478656 | -.000881 | 5.477004 | .0147510 | .001650  | 4.848196 |
| #3 | .0457247 | .000977  | 5.518143 | .0179649 | -.000327 | 4.809581 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0301876 | .0012475 | .2082048 | 9.305789 | .0268476 | .0087706 |
| Stddev | .0005208 | .0000657 | .0008558 | .013108  | .0005230 | .0004051 |
| %RSD   | 1.725262 | 5.263752 | .4110336 | .1408628 | 1.948158 | 4.618757 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0307599 | .0011944 | .2079898 | 9.320086 | .0266647 | .0085643 |
| #2 | .0300614 | .0013209 | .2074770 | 9.302947 | .0274375 | .0085102 |
| #3 | .0297415 | .0012272 | .2091476 | 9.294335 | .0264406 | .0092373 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7521343 | 55.05503 | .2163830 | 4.105802 | .0639317 | -.002441 |
| Stddev | .0050883 | .46557   | .0020950 | .111997  | .0003917 | .000170  |
| %RSD   | .6765151 | .8456502 | .9681809 | 2.727765 | .6127347 | 6.949395 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7477543 | 55.29013 | .2171127 | 4.158968 | .0643802 | -.002379 |
| #2 | .7577158 | 55.35617 | .2180155 | 4.181313 | .0636567 | -.002633 |
| #3 | .7509326 | 54.51879 | .2140207 | 3.977125 | .0637582 | -.002312 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.193877 | .0407718 | F 84.90566 | .9029297 | 1.380225 | .0702569 |
| Stddev | .036874  | .0061419 | .57830     | .0894774 | .005377  | .0004025 |
| %RSD   | 19.01922 | 15.06408 | .6811038   | 9.909675 | .3895757 | .5728996 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.175312 | .0339880 | 85.40667 | .8372551 | 1.374253 | .0702455 |
| #2 | -.236344 | .0423728 | 84.27284 | .8666921 | 1.381742 | .0706650 |
| #3 | -.169975 | .0459547 | 85.03747 | 1.004842 | 1.384681 | .0698603 |

Sample Name: K1342-17      Acquired: 02/13/2019 15:04:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG19      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051538 | 21.47737 | 7.575132 | .0019116 | .0483585 | .0006639 |
| Stddev | .0004833 | .07384   | .014624  | .0016263 | .0029037 | .0019944 |
| %RSD   | 9.377919 | .3438233 | .1930535 | 85.07739 | 6.004466 | 300.3804 |
|        |          |          |          |          |          |          |
| #1     | .0045958 | 21.43676 | 7.577669 | .0025515 | .0516484 | .0006837 |
| #2     | .0054326 | 21.43274 | 7.588322 | .0031206 | .0472738 | -.001340 |
| #3     | .0054332 | 21.56260 | 7.559406 | .0000626 | .0461534 | .002648  |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0105154 |
| Stddev | .0001431 |
| %RSD   | 1.361098 |
|        |          |
| #1     | .0106655 |
| #2     | .0103805 |
| #3     | .0105001 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1290.520 | 2376.089 | 27445.44 | 3571.800 | 2968.687 |
| Stddev    | 4.071    | 10.029   | 61.31    | 29.537   | 8.474    |
| %RSD      | .3154401 | .4220701 | .2233771 | .8269384 | .2854349 |
|           |          |          |          |          |          |
| #1        | 1294.660 | 2370.946 | 27376.49 | 3577.300 | 2973.285 |
| #2        | 1286.522 | 2387.646 | 27466.04 | 3539.900 | 2973.868 |
| #3        | 1290.378 | 2369.674 | 27493.80 | 3598.200 | 2958.908 |

Sample Name: K1342-19      Acquired: 02/13/2019 15:12:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG21      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0720320 | -.000716 | .4564404 | .0077494 | .0072603 | 156.3611 | 1.077131 |
| Stddev | .0048716 | .001321  | .0016745 | .0027850 | .0005488 | .5486    | .002143  |
| %RSD   | 6.763114 | 184.4751 | .3668530 | 35.93861 | 7.558378 | .3508606 | .1989944 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0775334 | -.001627 | .4548433 | .0109652 | .0070415 | 156.7863 | 1.076266 |
| #2 | .0682648 | -.001320 | .4562952 | .0061655 | .0068546 | 156.5552 | 1.079572 |
| #3 | .0702977 | .000799  | .4581827 | .0061177 | .0078847 | 155.7418 | 1.075555 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0135644 | .1716102 | 36.00903 | .2052234 | .0579714 | .0948139 | 273.4081 |
| Stddev | .0001572 | .0012405 | .07805   | .0012085 | .0005128 | .0024862 | 2.5434   |
| %RSD   | 1.159213 | .7228739 | .2167448 | .5888912 | .8846181 | 2.622157 | .9302569 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0135017 | .1709996 | 35.91924 | .2038354 | .0577682 | .0968463 | 275.5849 |
| #2 | .0134483 | .1707933 | 36.04727 | .2060421 | .0575913 | .0955537 | 274.0271 |
| #3 | .0137434 | .1730377 | 36.06058 | .2057928 | .0585547 | .0920419 | 270.6123 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6938594 | 9.734725 | .0970045 | -.015265 | -.756299 | .4720663 | 17.54328 |
| Stddev | .0052638 | .086543  | .0011476 | .000286  | .126595  | .0095143 | .06015   |
| %RSD   | .7586228 | .8890162 | 1.183014 | 1.871235 | 16.73877 | 2.015468 | .3428495 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6967094 | 9.748239 | .0964862 | -.014935 | -.900841 | .4726561 | 17.49624 |
| #2 | .6970837 | 9.813716 | .0962075 | -.015426 | -.702925 | .4812721 | 17.52256 |
| #3 | .6877852 | 9.642219 | .0983198 | -.015433 | -.665131 | .4622708 | 17.61105 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.880106 | 1.593927 | .3346570 | .0044302 | 6.259119 | 8.812973 | .0098219 |
| Stddev | .046931  | .010951  | .0043329 | .0002942 | .039766  | .001701  | .0013001 |
| %RSD   | .6821190 | .6870283 | 1.294738 | 6.639671 | .6353247 | .0193066 | 13.23706 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.929223 | 1.586675 | .3388966 | .0043309 | 6.240148 | 8.811140 | .0085311 |
| #2 | 6.835720 | 1.588582 | .3348380 | .0047611 | 6.232391 | 8.813276 | .0111311 |
| #3 | 6.875375 | 1.606523 | .3302364 | .0041985 | 6.304817 | 8.814502 | .0098034 |

Sample Name: K1342-19      Acquired: 02/13/2019 15:12:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG21      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1828020 | .0490713 | .0850476 |
| Stddev | .0048435 | .0012104 | .0003682 |
| %RSD   | 2.649603 | 2.466588 | .4329400 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1870999 | .0478042 | .0847774 |
| #2 | .1837524 | .0502156 | .0848986 |
| #3 | .1775538 | .0491940 | .0854670 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1412.009 | 2588.525 | 30102.60 | 3940.020 | 2881.926 |
| Stddev    | 11.213   | 5.785    | 263.24   | 25.211   | 10.947   |
| %RSD      | .7941251 | .2234810 | .8744695 | .6398756 | .3798622 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1403.663 | 2584.552 | 29882.79 | 3922.291 | 2881.842 |
| #2 | 1407.609 | 2595.162 | 30030.69 | 3928.888 | 2892.916 |
| #3 | 1424.755 | 2585.862 | 30394.32 | 3968.881 | 2871.022 |

Sample Name: K1342-18      Acquired: 02/13/2019 15:08:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG20      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0984507 | -.000126 | 5.936760 | .0120715 | .0024401 | 26.81028 |
| Stddev | .0024869 | .002474  | .015611  | .0016930 | .0021674 | .04058   |
| %RSD   | 2.526072 | 1967.606 | .2629560 | 14.02455 | 88.82448 | .1513665 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1013133 | -.000514 | 5.938242 | .0137660 | .0049424 | 26.85236 |
| #2 | .0972167 | -.002382 | 5.920461 | .0103801 | .0012246 | 26.80710 |
| #3 | .0968220 | .002519  | 5.951578 | .0120683 | .0011533 | 26.77138 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3628531 | .0046296 | .3834781 | 49.99467 | .0587400 | .0419195 |
| Stddev | .0016986 | .0000797 | .0014727 | .08854   | .0006698 | .0002198 |
| %RSD   | .4681188 | 1.722378 | .3840396 | .1770899 | 1.140224 | .5243027 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3643104 | .0045682 | .3829610 | 50.08470 | .0579689 | .0417326 |
| #2 | .3609876 | .0046008 | .3823338 | 49.90771 | .0591774 | .0421617 |
| #3 | .3632613 | .0047197 | .3851397 | 49.99159 | .0590736 | .0418643 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5246375 | 165.6674 | 2.481582 | 3.601218 | .0963230 | -.008172 |
| Stddev | .0049305 | .6438    | .013968  | .037269  | .0007156 | .000411  |
| %RSD   | .9397873 | .3886119 | .5628505 | 1.034912 | .7428613 | 5.033002 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5189519 | 166.4079 | 2.497701 | 3.637678 | .0960725 | -.008253 |
| #2 | .5272252 | 165.2410 | 2.473037 | 3.602787 | .0957663 | -.007726 |
| #3 | .5277354 | 165.3532 | 2.474008 | 3.563189 | .0971301 | -.008536 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | -.692250 | .1079856 | F 61.56318 | 4.241592 | 5.244676 | .2266583 |
| Stddev | .118427  | .0090874 | 1.28050    | .032367  | .021524  | .0045163 |
| %RSD   | 17.10748 | 8.415396 | 2.079971   | .7630792 | .4103880 | 1.992568 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.827228 | .1115024 | 62.89918 | 4.235154 | 5.234155 | .2314177 |
| #2 | -.643751 | .0976653 | 61.44379 | 4.212928 | 5.230437 | .2261247 |
| #3 | -.605772 | .1147890 | 60.34655 | 4.276694 | 5.269437 | .2224324 |



Sample Name: K1342-18      Acquired: 02/13/2019 15:08:57      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG20      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051027 | 17.36215 | 3.654658 | .0060994 | .1466624 | .0148604 |
| Stddev | .0002683 | .05567   | .051443  | .0001786 | .0017559 | .0014238 |
| %RSD   | 5.258478 | .3206542 | 1.407602 | 2.928625 | 1.197211 | 9.581233 |
| #1     | .0048617 | 17.32722 | 3.615265 | .0059833 | .1482431 | .0149747 |
| #2     | .0050546 | 17.33289 | 3.635850 | .0063051 | .1447725 | .0162237 |
| #3     | .0053918 | 17.42636 | 3.712858 | .0060098 | .1469716 | .0133829 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0725768 |
| Stddev | .0003571 |
| %RSD   | .4920399 |
| #1     | .0729755 |
| #2     | .0722863 |
| #3     | .0724685 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1325.813 | 2441.531 | 28429.52 | 3687.622 | 2938.627 |
| Stddev    | 14.355   | 6.566    | 70.01    | 25.175   | 1.479    |
| %RSD      | 1.082745 | .2689493 | .2462590 | .6826847 | .0503443 |
| #1        | 1310.694 | 2440.701 | 28356.12 | 3693.775 | 2937.614 |
| #2        | 1327.486 | 2448.473 | 28436.89 | 3709.150 | 2940.325 |
| #3        | 1339.258 | 2435.419 | 28495.56 | 3659.941 | 2937.943 |

Sample Name: K1342-21      Acquired: 02/13/2019 15:21:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG23      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0831435 | -.001694 | .8516094 | .0107309 | .0093273 | 151.0915 | 1.884594 |
| Stddev | .0008810 | .003396  | .0017279 | .0029146 | .0009169 | .5365    | .002710  |
| %RSD   | 1.059677 | 200.4563 | .2029022 | 27.16128 | 9.830378 | .3550763 | .1438084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0828587 | .002156  | .8529414 | .0140931 | .0094690 | 151.4346 | 1.887661 |
| #2 | .0824401 | -.004263 | .8522300 | .0091786 | .0101650 | 150.4733 | 1.882520 |
| #3 | .0841318 | -.002975 | .8496569 | .0089209 | .0083477 | 151.3667 | 1.883602 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0125686 | .1189555 | 25.59686 | .2484397 | .0824938 | .1406827 | 267.3211 |
| Stddev | .0001099 | .0005324 | .04950   | .0008631 | .0001957 | .0012672 | .8762    |
| %RSD   | .8741461 | .4475343 | .1933900 | .3473975 | .2372680 | .9007712 | .3277554 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0126934 | .1189470 | 25.65328 | .2491493 | .0826879 | .1392211 | 267.9815 |
| #2 | .0125260 | .1184275 | 25.57659 | .2474789 | .0822965 | .1414730 | 266.3272 |
| #3 | .0124864 | .1194921 | 25.56071 | .2486908 | .0824970 | .1413540 | 267.6547 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8065296 | 10.10752 | .1126482 | -.014862 | -.519958 | .4537416 | 25.26922 |
| Stddev | .0036629 | .08700   | .0002541 | .000084  | .155620  | .0030862 | .15758   |
| %RSD   | .4541514 | .8607580 | .2256057 | .5625294 | 29.92939 | .6801655 | .6236135 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8107516 | 10.11104 | .1128690 | -.014771 | -.686355 | .4536388 | 25.43831 |
| #2 | .8042001 | 10.01882 | .1123704 | -.014883 | -.495510 | .4507081 | 25.24288 |
| #3 | .8046371 | 10.19271 | .1127052 | -.014934 | -.378009 | .4568779 | 25.12647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.705443 | 1.138238 | .3258812 | .0078553 | 4.753312 | 2.414879 | .0110541 |
| Stddev | .044141  | .006789  | .0028368 | .0000536 | .014608  | .008990  | .0009556 |
| %RSD   | .7736616 | .5964857 | .8705106 | .6822786 | .3073237 | .3722587 | 8.644924 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.716710 | 1.138678 | .3251986 | .0078435 | 4.756376 | 2.425259 | .0116384 |
| #2 | 5.742858 | 1.131239 | .3234480 | .0078086 | 4.737415 | 2.409772 | .0115726 |
| #3 | 5.656761 | 1.144796 | .3289971 | .0079138 | 4.766146 | 2.409606 | .0099513 |

Sample Name: K1342-21      Acquired: 02/13/2019 15:21:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG23      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2983579 | .0490538 | .1000017 |
| Stddev | .0009960 | .0020108 | .0004211 |
| %RSD   | .3338172 | 4.099121 | .4210574 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2991999 | .0469734 | .1004693 |
| #2 | .2972585 | .0492013 | .0998831 |
| #3 | .2986152 | .0509868 | .0996526 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1423.181 | 2607.179 | 30320.27 | 3941.169 | 2881.791 |
| Stddev    | 5.019    | 7.254    | 189.14   | 14.844   | 6.770    |
| %RSD      | .3526656 | .2782223 | .6238172 | .3766482 | .2349367 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1417.516 | 2602.565 | 30107.04 | 3924.266 | 2880.892 |
| #2 | 1427.073 | 2615.540 | 30467.79 | 3952.084 | 2888.967 |
| #3 | 1424.953 | 2603.433 | 30385.99 | 3947.157 | 2875.516 |

Sample Name: K1342-20      Acquired: 02/13/2019 15:17:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG22      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0821180 | -.001289 | .3634129 | .0030776 | .0084298 | 141.1873 | 1.665275 |
| Stddev | .0027288 | .003147  | .0013284 | .0014856 | .0018444 | .3417    | .002031  |
| %RSD   | 3.323036 | 244.1780 | .3655297 | 48.27222 | 21.87969 | .2420205 | .1219425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0823954 | .001659  | .3632903 | .0037815 | .0092243 | 140.8604 | 1.666981 |
| #2 | .0792611 | -.004603 | .3621500 | .0040805 | .0063213 | 141.1595 | 1.663029 |
| #3 | .0846975 | -.000922 | .3647983 | .0013709 | .0097439 | 141.5421 | 1.665815 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0141839 | .0481785 | 19.65340 | .2094083 | .2112361 | .0801648 | 280.3456 |
| Stddev | .0001812 | .0002506 | .04460   | .0010154 | .0006837 | .0029132 | 1.9283   |
| %RSD   | 1.277173 | .5201333 | .2269134 | .4848765 | .3236728 | 3.634038 | .6878182 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0142072 | .0480963 | 19.62763 | .2103116 | .2108762 | .0805884 | 278.3094 |
| #2 | .0139923 | .0479793 | 19.62768 | .2083094 | .2108076 | .0770630 | 280.5835 |
| #3 | .0143524 | .0484599 | 19.70490 | .2096040 | .2120246 | .0828430 | 282.1438 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.948557 | 10.95184 | .1666674 | -.014494 | -.689525 | .4621894 | 12.96244 |
| Stddev | .070993  | .10553   | .0012198 | .000158  | .229702  | .0097457 | .15075   |
| %RSD   | 1.021687 | .9635708 | .7318546 | 1.090355 | 33.31306 | 2.108605 | 1.162937 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.875972 | 10.90676 | .1679099 | -.014589 | -.448193 | .4731683 | 12.80027 |
| #2 | 6.951857 | 10.87633 | .1654718 | -.014311 | -.905491 | .4545604 | 13.09830 |
| #3 | 7.017842 | 11.07242 | .1666204 | -.014581 | -.714891 | .4588395 | 12.98875 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.205449 | 1.646689 | .3415448 | .0050121 | 3.015051 | 10.92045 | .0113669 |
| Stddev | .059450  | .002734  | .0060571 | .0001357 | .014092  | .09206   | .0014262 |
| %RSD   | .9580359 | .1660548 | 1.773443 | 2.706938 | .4673839 | .8429901 | 12.54715 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.189740 | 1.645789 | .3353751 | .0051682 | 3.016277 | 10.96506 | .0122973 |
| #2 | 6.155430 | 1.644519 | .3474826 | .0049452 | 3.000386 | 10.81459 | .0120784 |
| #3 | 6.271176 | 1.649761 | .3417767 | .0049229 | 3.028489 | 10.98170 | .0097249 |

Sample Name: K1342-20      Acquired: 02/13/2019 15:17:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG22      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3578598 | .0456420 | .1179358 |
| Stddev | .0023498 | .0008764 | .0003914 |
| %RSD   | .6566251 | 1.920052 | .3318837 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3591526 | .0455799 | .1182773 |
| #2 | .3551474 | .0465478 | .1180215 |
| #3 | .3592792 | .0447984 | .1175086 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1518.105 | 2790.905 | 32309.82 | 4204.741 | 2883.465 |
| Stddev    | 9.471    | 10.860   | 127.52   | 12.020   | 8.967    |
| %RSD      | .6238851 | .3891220 | .3946689 | .2858724 | .3109767 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1525.200 | 2803.431 | 32384.62 | 4191.916 | 2893.663 |
| #2 | 1507.350 | 2784.126 | 32162.58 | 4215.750 | 2879.921 |
| #3 | 1521.765 | 2785.157 | 32382.25 | 4206.556 | 2876.813 |

Sample Name: K1339-05A      Acquired: 02/13/2019 15:29:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAZ0A      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0318759 | -.000657 | 1.374674 | .0028629 | .0040532 | 28.96406 | .3477333 |
| Stddev | .0017927 | .001365  | .008819  | .0009389 | .0007503 | .14289   | .0009456 |
| %RSD   | 5.623997 | 207.5906 | .6415668 | 32.79591 | 18.51015 | .4933223 | .2719301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0298238 | .000300  | 1.368591 | .0022796 | .0041088 | 28.94297 | .3467049 |
| #2 | .0331374 | -.000052 | 1.370643 | .0039460 | .0047741 | 29.11631 | .3479299 |
| #3 | .0326666 | -.002220 | 1.384789 | .0023631 | .0032767 | 28.83289 | .3485652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0033744 | .0279544 | 6.865406 | .0654865 | .0175637 | .1402239 | 98.29972 |
| Stddev | .0000213 | .0000730 | .016130  | .0009292 | .0001243 | .0051937 | .32617   |
| %RSD   | .6324028 | .2610633 | .2349399 | 1.418884 | .7076737 | 3.703823 | .3318106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0033991 | .0278951 | 6.846793 | .0664334 | .0176805 | .1345579 | 98.53553 |
| #2 | .0033619 | .0279322 | 6.874132 | .0654501 | .0175775 | .1447588 | 98.43613 |
| #3 | .0033623 | .0280359 | 6.875292 | .0645761 | .0174331 | .1413551 | 97.92749 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6379080 | 2.343089 | .0307575 | -.004537 | -.120797 | .1818164 | 10.12716 |
| Stddev | .0028010 | .067548  | .0002776 | .000348  | .139080  | .0050841 | .12042   |
| %RSD   | .4390929 | 2.882879 | .9026443 | 7.671969 | 115.1355 | 2.796298 | 1.189060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6347841 | 2.267403 | .0310237 | -.004636 | .020659  | .1808411 | 10.21538 |
| #2 | .6387442 | 2.397257 | .0307792 | -.004150 | -.257373 | .1873176 | 9.98998  |
| #3 | .6401956 | 2.364608 | .0304697 | -.004824 | -.125678 | .1772906 | 10.17613 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.510449 | 2.134965 | .1187942 | .0029605 | 2.177922 | 2.057599 | .0030202 |
| Stddev | .032057  | .014643  | .0017205 | .0000741 | .011764  | .015230  | .0006392 |
| %RSD   | 2.122322 | .6858677 | 1.448319 | 2.502671 | .5401295 | .7401601 | 21.16508 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.517342 | 2.126561 | .1205931 | .0029673 | 2.174037 | 2.046249 | .0032790 |
| #2 | 1.538498 | 2.126462 | .1171646 | .0030309 | 2.168592 | 2.074907 | .0022921 |
| #3 | 1.475506 | 2.151873 | .1186248 | .0028832 | 2.191137 | 2.051642 | .0034894 |

Sample Name: K1339-05A      Acquired: 02/13/2019 15:29:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ0A      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1289013 | .0110195 | .0350145 |
| Stddev | .0028023 | .0022038 | .0001413 |
| %RSD   | 2.173950 | 19.99909 | .4035070 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1258797 | .0085302 | .0349825 |
| #2 | .1314147 | .0118066 | .0351690 |
| #3 | .1294095 | .0127218 | .0348919 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1360.737 | 2499.509 | 28710.80 | 3731.867 | 2991.905 |
| Stddev    | 2.787    | 7.591    | 117.48   | 30.390   | 11.457   |
| %RSD      | .2048193 | .3037073 | .4092010 | .8143320 | .3829281 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1359.225 | 2504.631 | 28594.76 | 3747.775 | 2992.921 |
| #2 | 1359.032 | 2503.108 | 28707.97 | 3696.825 | 3002.821 |
| #3 | 1363.953 | 2490.788 | 28829.68 | 3751.000 | 2979.975 |

Sample Name: K1337-04A      Acquired: 02/13/2019 15:25:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX0A      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0658071 | .0001030 | .2259497 | .0128981 | .0138642 | 125.1947 | 2.050604 |
| Stddev | .0047539 | .0020948 | .0035217 | .0009641 | .0009298 | .5953    | .008008  |
| %RSD   | 7.224054 | 2033.218 | 1.558605 | 7.474817 | 6.706412 | .4754902 | .3905024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0674338 | .0016488 | .2221197 | .0134389 | .0128397 | 124.6359 | 2.047176 |
| #2 | .0604533 | .0009414 | .2290482 | .0134704 | .0140986 | 125.1274 | 2.044880 |
| #3 | .0695341 | -.002281 | .2266811 | .0117850 | .0146544 | 125.8208 | 2.059754 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0161359 | .0100451 | 18.91114 | .2598536 | .0629481 | .1468187 | 429.2892 |
| Stddev | .0001629 | .0001106 | .06246   | .0009879 | .0006345 | .0015257 | .5694    |
| %RSD   | 1.009787 | 1.100828 | .3302828 | .3801813 | 1.007888 | 1.039164 | .1326268 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0159990 | .0099647 | 18.84157 | .2607178 | .0625027 | .1454724 | 428.7337 |
| #2 | .0160926 | .0099994 | 18.92945 | .2587766 | .0626672 | .1465079 | 429.2625 |
| #3 | .0163161 | .0101712 | 18.96239 | .2600663 | .0636745 | .1484759 | 429.8715 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5395596 | 13.08607 | .1975575 | -.022175 | -.735589 | .3398492 | 3.586028 |
| Stddev | .0046670 | .22543   | .0011355 | .000197  | .332435  | .0092903 | .036884  |
| %RSD   | .8649725 | 1.722647 | .5747726 | .8887375 | 45.19295 | 2.733642 | 1.028541 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5426292 | 12.91606 | .1965315 | -.022014 | -1.11652 | .3426742 | 3.547753 |
| #2 | .5341889 | 13.00037 | .1973635 | -.022115 | -.58614  | .3294743 | 3.621342 |
| #3 | .5418607 | 13.34178 | .1987775 | -.022395 | -.50411  | .3473990 | 3.588989 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.918949 | 2.625154 | .5106312 | .0061047 | 2.821682 | 1.619237 | .0213100 |
| Stddev | .015775  | .013490  | .0054353 | .0000831 | .011793  | .016916  | .0011856 |
| %RSD   | .2665145 | .5138609 | 1.064436 | 1.361115 | .4179586 | 1.044661 | 5.563389 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.900803 | 2.610797 | .5123678 | .0061937 | 2.812056 | 1.613659 | .0211409 |
| #2 | 5.926642 | 2.627100 | .5149860 | .0060293 | 2.818152 | 1.605816 | .0225710 |
| #3 | 5.929401 | 2.637565 | .5045397 | .0060910 | 2.834837 | 1.638238 | .0202181 |



Sample Name: K1337-04A      Acquired: 02/13/2019 15:25:02      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX0A      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2351961 | .0687126 | .1528270 |
| Stddev | .0003601 | .0007068 | .0007863 |
| %RSD   | .1531098 | 1.028609 | .5144907 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2353711 | .0693654 | .1519575 |
| #2 | .2347819 | .0688104 | .1530355 |
| #3 | .2354352 | .0679620 | .1534880 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1431.765 | 2630.557 | 30438.71 | 3953.850 | 2889.857 |
| Stddev    | 15.793   | 7.953    | 255.32   | 37.631   | 9.554    |
| %RSD      | 1.103034 | .3023430 | .8387922 | .9517549 | .3306027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1449.708 | 2636.630 | 30676.87 | 3991.643 | 2899.292 |
| #2 | 1419.976 | 2633.486 | 30169.14 | 3953.522 | 2890.091 |
| #3 | 1425.610 | 2621.554 | 30470.12 | 3916.384 | 2880.188 |

Sample Name: K1342-06DLX10      Acquired: 02/13/2019 15:33:09      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.004345 | .0003027 | .2025384 | .0022626 | .0018166 | .3797178 | .0010430 |
| Stddev | .003519  | .0006850 | .0013109 | .0001463 | .0020756 | .0137146 | .0004948 |
| %RSD   | 80.98832 | 226.3243 | .6472229 | 6.465650 | 114.2543 | 3.611795 | 47.43984 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003187 | .0010567 | .2010291 | .0020952 | .0026537 | .3745907 | .0005228 |
| #2 | -.001551 | -.000281 | .2033929 | .0023270 | .0033429 | .3952573 | .0015077 |
| #3 | -.008297 | .000133  | .2031931 | .0023657 | -.000547 | .3693054 | .0010983 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000701 | .0607388 | 2.572258 | .0018755 | .0007053 | .0459903 | 4.771519 |
| Stddev | .0000817 | .0001961 | .006670  | .0010047 | .0001149 | .0012517 | .017674  |
| %RSD   | 116.5411 | .3227894 | .2593183 | 53.56808 | 16.28449 | 2.721740 | .3704082 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000005 | .0606966 | 2.579517 | .0012363 | .0005783 | .0456686 | 4.791168 |
| #2 | .000059  | .0605673 | 2.570859 | .0030336 | .0007356 | .0449309 | 4.766470 |
| #3 | .000157  | .0609525 | 2.566398 | .0013568 | .0008019 | .0473715 | 4.756919 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0250504 | .4201602 | .0032477 | .0004377 | -.233382 | .0002290 | 12.80033 |
| Stddev | .0004597 | .0296811 | .0002976 | .0003258 | .136010  | .0066823 | .16391   |
| %RSD   | 1.835040 | 7.064244 | 9.164777 | 74.42641 | 58.27792 | 2917.904 | 1.280542 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0252623 | .4041492 | .0035610 | .0001408 | -.379039 | .0072661 | 12.98813 |
| #2 | .0253659 | .4544089 | .0032134 | .0003862 | -.211411 | -.000549 | 12.72687 |
| #3 | .0245230 | .4019224 | .0029687 | .0007862 | -.109694 | -.006030 | 12.68600 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.182464 | .1349962 | -.001047 | .0007396 | 3.122330 | .9625835 | -.000472 |
| Stddev | .102620  | .0017404 | .001061  | .0002522 | .015987  | .0079670 | .001209  |
| %RSD   | 56.24098 | 1.289201 | 101.3661 | 34.09605 | .5120187 | .8276741 | 256.3551 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.288238 | .1367274 | -.000071 | .0006743 | 3.123947 | .9540382 | -.001714 |
| #2 | -.175833 | .1332468 | -.002177 | .0005265 | 3.105596 | .9698070 | -.000400 |
| #3 | -.083321 | .1350145 | -.000892 | .0010180 | 3.137446 | .9639052 | .000700  |

Sample Name: K1342-06DLX10      Acquired: 02/13/2019 15:33:09      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0049114 | -.000641 | .0014423 |
| Stddev | .0017496 | .001666  | .0000400 |
| %RSD   | 35.62424 | 260.0609 | 2.775149 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0042291 | -.002300 | .0014470 |
| #2 | .0036056 | -.000654 | .0014002 |
| #3 | .0068993 | .001032  | .0014798 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1238.625 | 2276.606 | 26015.80 | 3323.667 | 2967.304 |
| Stddev    | 2.109    | 10.338   | 11.38    | 26.743   | 14.268   |
| %RSD      | .1702657 | .4540855 | .0437608 | .8046232 | .4808414 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1236.351 | 2280.184 | 26008.71 | 3354.175 | 2970.801 |
| #2 | 1240.516 | 2284.679 | 26028.93 | 3304.275 | 2979.498 |
| #3 | 1239.010 | 2264.954 | 26009.76 | 3312.550 | 2951.612 |

Sample Name: K1342-07DLX10      Acquired: 02/13/2019 15:37:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG10D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001423 | .0008847 | .1922171 | .0052261 | .0027287 | .3735602 | .0017673 |
| Stddev | .000650  | .0027440 | .0008393 | .0008008 | .0012847 | .0047081 | .0008200 |
| %RSD   | 45.71490 | 310.1615 | .4366369 | 15.32225 | 47.08104 | 1.260331 | 46.39839 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002173 | .0038145 | .1912802 | .0046689 | .0015784 | .3681258 | .0027141 |
| #2 | -.001045 | .0004644 | .1924709 | .0048658 | .0024926 | .3761497 | .0012824 |
| #3 | -.001049 | -.001625 | .1929002 | .0061437 | .0041151 | .3764051 | .0013055 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000596 | .0579939 | 2.436831 | .0024108 | .0005697 | .0500679 | 4.546156 |
| Stddev | .0000179 | .0002851 | .037485  | .0007751 | .0001327 | .0021513 | .081913  |
| %RSD   | 29.98362 | .4916043 | 1.538285 | 32.15232 | 23.28456 | 4.296795 | 1.801816 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000620 | .0577502 | 2.409349 | .0021715 | .0004690 | .0475854 | 4.451848 |
| #2 | .0000406 | .0579240 | 2.479532 | .0017835 | .0005200 | .0513877 | 4.587043 |
| #3 | .0000761 | .0583074 | 2.421610 | .0032773 | .0007200 | .0512306 | 4.599577 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0238502 | .3933161 | .0028461 | .0005418 | -.394730 | -.000499 | 12.25395 |
| Stddev | .0001912 | .0348179 | .0001667 | .0003508 | .317458  | .006415  | .12728   |
| %RSD   | .8016606 | 8.852395 | 5.859036 | 64.74929 | 80.42412 | 1286.371 | 1.038678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0237919 | .4181435 | .0030210 | .0001480 | -.721783 | .000334  | 12.10698 |
| #2 | .0240637 | .3535165 | .0028285 | .0008209 | -.374581 | .005459  | 12.32856 |
| #3 | .0236948 | .4082882 | .0026888 | .0006565 | -.087826 | -.007289 | 12.32629 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.118730 | .1265870 | -.000379 | .0007452 | 3.004424 | .8997657 | -.000896 |
| Stddev | .091472  | .0018213 | .001182  | .0001584 | .007519  | .0068428 | .000959  |
| %RSD   | 77.04200 | 1.438767 | 311.5716 | 21.25993 | .2502505 | .7605070 | 107.0918 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.148688 | .1269576 | -.001372 | .0006744 | 3.004789 | .9069297 | -.000056 |
| #2 | -.191467 | .1246089 | .000928  | .0009267 | 2.996730 | .8990702 | -.001941 |
| #3 | -.016036 | .1281945 | -.000693 | .0006346 | 3.011754 | .8932972 | -.000691 |

Sample Name: K1342-07DLX10      Acquired: 02/13/2019 15:37:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0056789 | -.000820 | .0013321 |
| Stddev | .0022624 | .002744  | .0000733 |
| %RSD   | 39.83853 | 334.4440 | 5.503510 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0030956 | .001853  | .0012763 |
| #2 | .0066343 | -.003629 | .0013048 |
| #3 | .0073070 | -.000684 | .0014151 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1237.460 | 2270.021 | 26092.11 | 3349.792 | 2972.241 |
| Stddev    | 7.043    | 16.227   | 80.15    | 15.675   | 14.215   |
| %RSD      | .5691188 | .7148248 | .3071761 | .4679356 | .4782523 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1245.591 | 2274.112 | 26184.65 | 3333.250 | 2983.133 |
| #2 | 1233.527 | 2283.811 | 26044.91 | 3351.700 | 2977.430 |
| #3 | 1233.263 | 2252.140 | 26046.76 | 3364.425 | 2956.161 |

Sample Name: K1342-08DLX10      Acquired: 02/13/2019 15:41:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG10S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031873 | .0104519 | .1887995 | .0046911 | .0196963 | .6578612 | .4258319 |
| Stddev | .0013460 | .0011514 | .0026075 | .0037598 | .0020521 | .0058231 | .0034214 |
| %RSD   | 42.23073 | 11.01631 | 1.381105 | 80.14807 | 10.41891 | .8851529 | .8034595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0038929 | .0097860 | .1873151 | .0086945 | .0173439 | .6645672 | .4268153 |
| #2 | .0040338 | .0097883 | .1872731 | .0012347 | .0211194 | .6540839 | .4286539 |
| #3 | .0016352 | .0117815 | .1918103 | .0041442 | .0206256 | .6549324 | .4220265 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0109349 | .0412907 | 1.361239 | .0479989 | .1084030 | .0979221 | 3.673093 |
| Stddev | .0000934 | .0001811 | .017562  | .0003983 | .0007653 | .0017447 | .013224  |
| %RSD   | .8536857 | .4386367 | 1.290163 | .8298363 | .7059793 | 1.781757 | .3600113 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0109671 | .0411359 | 1.380093 | .0480593 | .1083742 | .0979127 | 3.678314 |
| #2 | .0110079 | .0412463 | 1.358280 | .0475738 | .1076525 | .0961821 | 3.658057 |
| #3 | .0108297 | .0414899 | 1.345345 | .0483635 | .1091822 | .0996715 | 3.682910 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1288381 | .5577124 | .1141220 | .0070874 | -.447281 | .1110471 | 8.566734 |
| Stddev | .0020598 | .0220346 | .0003711 | .0003249 | .209280  | .0040424 | .051384  |
| %RSD   | 1.598761 | 3.950895 | .3251530 | 4.583768 | 46.78937 | 3.640285 | .5998122 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1311079 | .5737641 | .1139025 | .0067742 | -.585625 | .1153022 | 8.524874 |
| #2 | .1270878 | .5325903 | .1139130 | .0074228 | -.549700 | .1072577 | 8.551247 |
| #3 | .1283186 | .5667829 | .1145504 | .0070653 | -.206517 | .1105813 | 8.624080 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.165756 | .1167877 | -.002011 | .0005900 | 1.346328 | .9293147 | .0002757 |
| Stddev | .085663  | .0035420 | .000595  | .0002095 | .010377  | .0078901 | .0011061 |
| %RSD   | 51.68004 | 3.032845 | 29.56914 | 35.50432 | .7707407 | .8490203 | 401.2337 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.264031 | .1150290 | -.002652 | .0004411 | 1.350051 | .9374586 | .0000699 |
| #2 | -.126354 | .1144693 | -.001477 | .0004993 | 1.334603 | .9217057 | .0014702 |
| #3 | -.106885 | .1208649 | -.001903 | .0008295 | 1.354329 | .9287796 | -.000713 |

Sample Name: K1342-08DLX10      Acquired: 02/13/2019 15:41:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0022302 | -.000262 | .0009424 |
| Stddev | .0022349 | .001818  | .0000915 |
| %RSD   | 100.2105 | 693.1196 | 9.705392 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0021546 | -.001008 | .0008389 |
| #2 | .0045019 | .001810  | .0010121 |
| #3 | .0000341 | -.001588 | .0009763 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1246.451 | 2285.570 | 26222.47 | 3391.467 | 2995.183 |
| Stddev    | 6.950    | 2.296    | 149.39   | 25.636   | 9.027    |
| %RSD      | .5576134 | .1004556 | .5696874 | .7559026 | .3013731 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1244.370 | 2286.987 | 26111.74 | 3361.925 | 2999.634 |
| #2 | 1254.204 | 2286.802 | 26392.38 | 3404.600 | 3001.120 |
| #3 | 1240.779 | 2282.921 | 26163.28 | 3407.875 | 2984.795 |

Sample Name: K1342-06LDLX50      Acquired: 02/13/2019 15:45:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001443 | -.001368 | .0399229 | .0016590 | .0009618 | .0703138 | -.002693 |
| Stddev | .003008  | .000857  | .0006905 | .0015825 | .0024526 | .0048888 | .001043  |
| %RSD   | 208.4304 | 62.66725 | 1.729498 | 95.39005 | 255.0082 | 6.952865 | 38.73162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002971 | -.000483 | .0392006 | .0026831 | .0006182 | .0649039 | -.002500 |
| #2 | -.003380 | -.002194 | .0405764 | .0024575 | .0035680 | .0744153 | -.001759 |
| #3 | .002022  | -.001427 | .0399917 | -.000164 | -.001301 | .0716222 | -.003818 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000831 | .0120766 | .5252427 | -.000283 | .0001811 | .0080751 | .9474877 |
| Stddev | .0000454 | .0001148 | .0184109 | .000153  | .0003590 | .0009990 | .0337445 |
| %RSD   | 54.64223 | .9509610 | 3.505211 | 53.91223 | 198.2287 | 12.37107 | 3.561471 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000677 | .0119824 | .5218416 | -.000431 | .0005606 | .0089993 | .9098308 |
| #2 | .0001342 | .0122046 | .5087694 | -.000293 | -.000153 | .0082107 | .9749856 |
| #3 | .0000474 | .0120429 | .5451169 | -.000126 | .000136  | .0070152 | .9576467 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085285 | .0885201 | .0003702 | .0007961 | -.448671 | .0045411 | 2.560836 |
| Stddev | .0013249 | .0335143 | .0001856 | .0002202 | .196201  | .0066018 | .011366  |
| %RSD   | 15.53441 | 37.86064 | 50.12695 | 27.65375 | 43.72935 | 145.3770 | .4438377 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070101 | .1147827 | .0001734 | .0005420 | -.318558 | .0112829 | 2.551744 |
| #2 | .0094490 | .1000041 | .0005420 | .0009298 | -.674344 | .0042518 | 2.573579 |
| #3 | .0091265 | .0507735 | .0003954 | .0009166 | -.353110 | -.001911 | 2.557186 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.144025 | .0237883 | -.006639 | .0003268 | .6176624 | .1863294 | -.001511 |
| Stddev | .051571  | .0020448 | .001226  | .0003839 | .0032403 | .0017789 | .000721  |
| %RSD   | 35.80691 | 8.595769 | 18.47245 | 117.4881 | .5246014 | .9546883 | 47.73569 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.084649 | .0216533 | -.007510 | -.000116 | .6140372 | .1856861 | -.001419 |
| #2 | -.169782 | .0239826 | -.005236 | .000573  | .6202768 | .1849617 | -.000840 |
| #3 | -.177643 | .0257290 | -.007170 | .000522  | .6186731 | .1883404 | -.002273 |



Sample Name: K1342-06LDLX50      Acquired: 02/13/2019 15:45:32      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG10L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000625 | -.000201 | .0002514 |
| Stddev | .001703  | .001271  | .0001328 |
| %RSD   | 272.5792 | 631.9244 | 52.83346 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002503 | -.000874 | .0003823 |
| #2 | .000818  | .001265  | .0001168 |
| #3 | -.000189 | -.000994 | .0002551 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1241.665 | 2264.487 | 26039.41 | 3356.933 | 2978.052 |
| Stddev    | 4.453    | 8.850    | 67.34    | 20.002   | 7.005    |
| %RSD      | .3586138 | .3908128 | .2585980 | .5958435 | .2352307 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1240.568 | 2273.744 | 26115.91 | 3348.475 | 2986.108 |
| #2 | 1237.863 | 2256.110 | 25989.11 | 3379.775 | 2973.387 |
| #3 | 1246.564 | 2263.607 | 26013.21 | 3342.550 | 2974.662 |

Sample Name: K1335-03DLX10      Acquired: 02/13/2019 15:53:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085530 | -.000470 | .5135421 | .0007346 | .0021955 | 6.483038 | .0765503 |
| Stddev | .0022610 | .001593  | .0018916 | .0014876 | .0029616 | .059029  | .0020523 |
| %RSD   | 26.43547 | 338.7745 | .3683465 | 202.5112 | 134.8932 | .9105153 | 2.681023 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0059428 | -.002204 | .5142308 | .0021467 | -.000299 | 6.515921 | .0774520 |
| #2 | .0099057 | .000930  | .5114026 | -.000818 | .001417  | 6.518302 | .0779974 |
| #3 | .0098106 | -.000137 | .5149929 | .000876  | .005469  | 6.414891 | .0742015 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008772 | .0846741 | 7.470414 | .0177071 | .0063875 | .0603913 | 22.04926 |
| Stddev | .0000421 | .0004982 | .058946  | .0005172 | .0001558 | .0029152 | .11258   |
| %RSD   | 4.797977 | .5883535 | .7890541 | 2.920798 | 2.439756 | 4.827223 | .5105633 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008967 | .0842441 | 7.519715 | .0179196 | .0062329 | .0631040 | 22.17912 |
| #2 | .0008289 | .0845583 | 7.486403 | .0171175 | .0063850 | .0607611 | 21.97941 |
| #3 | .0009059 | .0852200 | 7.405123 | .0180843 | .0065446 | .0573089 | 21.98924 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2138622 | 1.422417 | .0121057 | -.000302 | -.480547 | .0280390 | 12.06122 |
| Stddev | .0017390 | .029950  | .0004386 | .000232  | .232516  | .0084512 | .24221   |
| %RSD   | .8131379 | 2.105574 | 3.623362 | 76.68693 | 48.38555 | 30.14095 | 2.008175 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2145812 | 1.456422 | .0125627 | -.000455 | -.307636 | .0222116 | 12.15961 |
| #2 | .2151264 | 1.410871 | .0116881 | -.000416 | -.744879 | .0377317 | 12.23874 |
| #3 | .2118790 | 1.399959 | .0120663 | -.000036 | -.389127 | .0241738 | 11.78529 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1918534 | .3361886 | .0206988 | .0008351 | 2.684778 | .4732124 | -.001761 |
| Stddev | .0359574 | .0013966 | .0007287 | .0001589 | .005047  | .0076270 | .000721  |
| %RSD   | 18.74211 | .4154205 | 3.520589 | 19.02422 | .1879812 | 1.611743 | 40.96175 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1847029 | .3374239 | .0211660 | .0006797 | 2.679352 | .4657045 | -.001834 |
| #2 | .2308487 | .3346732 | .0210714 | .0009972 | 2.685648 | .4729797 | -.001006 |
| #3 | .1600085 | .3364687 | .0198592 | .0008285 | 2.689333 | .4809531 | -.002442 |

Sample Name: K1335-03DLX10      Acquired: 02/13/2019 15:53:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0234653 | .0014757 | .0074446 |
| Stddev | .0027990 | .0013440 | .0001231 |
| %RSD   | 11.92836 | 91.07279 | 1.653741 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0217171 | .0018417 | .0074953 |
| #2 | .0219851 | -.000013 | .0075343 |
| #3 | .0266936 | .002599  | .0073043 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1257.362 | 2292.965 | 26440.16 | 3430.150 | 2975.506 |
| Stddev    | 4.096    | 5.250    | 67.67    | 24.233   | 7.504    |
| %RSD      | .3257396 | .2289686 | .2559187 | .7064577 | .2521947 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1255.648 | 2295.468 | 26459.09 | 3422.825 | 2977.264 |
| #2 | 1254.402 | 2296.496 | 26365.04 | 3457.200 | 2981.975 |
| #3 | 1262.036 | 2286.932 | 26496.34 | 3410.425 | 2967.279 |

Sample Name: K1335-02DLX10      Acquired: 02/13/2019 15:49:39      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFR0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073321 | .0004021 | .5115356 | .0047898 | .0027363 | 6.540215 | .0783279 |
| Stddev | .0040283 | .0013959 | .0030805 | .0027725 | .0012722 | .016919  | .0007600 |
| %RSD   | 54.94071 | 347.1887 | .6021982 | 57.88257 | 46.49377 | .2586914 | .9702121 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0117670 | -.001209 | .5107113 | .0074083 | .0035484 | 6.557377 | .0776804 |
| #2 | .0038998 | .001166  | .5089511 | .0050755 | .0012701 | 6.523550 | .0781387 |
| #3 | .0063294 | .001249  | .5149443 | .0018855 | .0033904 | 6.539717 | .0791646 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009257 | .0844241 | 7.543559 | .0176724 | .0063272 | .0572324 | 21.99668 |
| Stddev | .0000104 | .0003491 | .025160  | .0003125 | .0001161 | .0017926 | .18075   |
| %RSD   | 1.126386 | .4135520 | .3335350 | 1.768226 | 1.834274 | 3.132074 | .8216954 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009329 | .0846415 | 7.519663 | .0173183 | .0063948 | .0575826 | 21.83636 |
| #2 | .0009305 | .0840214 | 7.569818 | .0179094 | .0061932 | .0588240 | 21.96111 |
| #3 | .0009137 | .0846094 | 7.541196 | .0177897 | .0063936 | .0552905 | 22.19256 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2156373 | 1.471360 | .0119858 | -.000344 | -.371315 | .0328426 | 11.89994 |
| Stddev | .0032663 | .016709  | .0006022 | .000122  | .259489  | .0025560 | .07849   |
| %RSD   | 1.514694 | 1.135638 | 5.024469 | 35.39748 | 69.88365 | 7.782639 | .6596143 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2120944 | 1.453413 | .0112915 | -.000384 | -.641959 | .0357395 | 11.92375 |
| #2 | .2162889 | 1.474200 | .0123004 | -.000441 | -.347342 | .0318834 | 11.96376 |
| #3 | .2185287 | 1.486467 | .0123656 | -.000207 | -.124645 | .0309050 | 11.81229 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2025998 | .3343696 | .0201408 | .0003915 | 2.672647 | .4780305 | -.000411 |
| Stddev | .1024130 | .0040461 | .0001288 | .0002568 | .014142  | .0024971 | .001036  |
| %RSD   | 50.54940 | 1.210063 | .6397305 | 65.60443 | .5291243 | .5223674 | 252.2778 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1872278 | .3383163 | .0202055 | .0001582 | 2.665346 | .4751593 | -.001318 |
| #2 | .1087417 | .3302310 | .0199925 | .0003494 | 2.663648 | .4796953 | .000718  |
| #3 | .3118298 | .3345614 | .0202245 | .0006667 | 2.688947 | .4792369 | -.000632 |

Sample Name: K1335-02DLX10      Acquired: 02/13/2019 15:49:39      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFR0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0221414 | .0018255 | .0075040 |
| Stddev | .0026814 | .0013821 | .0000747 |
| %RSD   | 12.11039 | 75.71332 | .9952068 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0209905 | .0014210 | .0074365 |
| #2 | .0252061 | .0033647 | .0074912 |
| #3 | .0202275 | .0006907 | .0075842 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1263.989 | 2304.046 | 26586.45 | 3419.783 | 2990.058 |
| Stddev    | 9.514    | 1.617    | 98.54    | 17.629   | 3.214    |
| %RSD      | .7526639 | .0701830 | .3706233 | .5155024 | .1074880 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1254.682 | 2304.786 | 26507.17 | 3433.325 | 2989.138 |
| #2 | 1263.588 | 2305.162 | 26555.41 | 3426.175 | 2993.632 |
| #3 | 1273.696 | 2302.192 | 26696.76 | 3399.850 | 2987.405 |

Sample Name: K1335-02LDLX50      Acquired: 02/13/2019 16:01:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003291 | .0005995 | .1032250 | .0012291 | -.000390 | 1.302013 | .0128248 |
| Stddev | .001551  | .0021561 | .0018380 | .0026591 | .001303  | .003131  | .0014267 |
| %RSD   | 47.13828 | 359.6576 | 1.780591 | 216.3428 | 333.9267 | .2404389 | 11.12424 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002565 | .0007601 | .1018882 | .0042978 | .000290  | 1.299427 | .0128188 |
| #2 | -.002236 | .0026708 | .1024657 | -.000215 | -.001892 | 1.301118 | .0114012 |
| #3 | -.005072 | -.001632 | .1053210 | -.000395 | .000431  | 1.305493 | .0142545 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001364 | .0170695 | 1.489261 | .0031322 | .0014032 | .0128940 | 4.466278 |
| Stddev | .0000997 | .0000928 | .019777  | .0005617 | .0001620 | .0039291 | .039656  |
| %RSD   | 73.10502 | .5433913 | 1.327967 | 17.93390 | 11.54740 | 30.47259 | .8878998 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000224 | .0170497 | 1.475704 | .0037776 | .0015224 | .0103403 | 4.422139 |
| #2 | .0001795 | .0169883 | 1.480125 | .0028659 | .0014686 | .0174185 | 4.498902 |
| #3 | .0002072 | .0171706 | 1.511954 | .0027532 | .0012187 | .0109232 | 4.477794 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0437730 | .2982177 | .0022313 | .0002827 | -.687873 | .0027458 | 2.429375 |
| Stddev | .0006468 | .0441083 | .0000521 | .0002720 | .063399  | .0018870 | .008179  |
| %RSD   | 1.477687 | 14.79064 | 2.334511 | 96.22502 | 9.216690 | 68.72303 | .3366641 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0430398 | .3489468 | .0022093 | -.000027 | -.617859 | .0041988 | 2.438550 |
| #2 | .0440162 | .2767853 | .0021938 | .000392  | -.704362 | .0006131 | 2.426725 |
| #3 | .0442630 | .2689210 | .0022908 | .000483  | -.741399 | .0034255 | 2.422850 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.059710 | .0634977 | -.002191 | .0001642 | .5352288 | .0907987 | -.000818 |
| Stddev | .035060  | .0027401 | .001935  | .0001651 | .0013852 | .0025387 | .000781  |
| %RSD   | 58.71737 | 4.315269 | 88.34604 | 100.5562 | .2588028 | 2.795954 | 95.47926 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.053846 | .0607579 | -.002659 | .0002906 | .5368108 | .0889681 | -.001609 |
| #2 | -.097332 | .0662380 | -.003849 | -.000023 | .5342334 | .0897311 | -.000047 |
| #3 | -.027951 | .0634971 | -.000064 | .000225  | .5346422 | .0936968 | -.000798 |

Sample Name: K1335-02LDLX50      Acquired: 02/13/2019 16:01:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0017358 | -.001273 | .0014166 |
| Stddev | .0013973 | .000605  | .0000653 |
| %RSD   | 80.50028 | 47.51329 | 4.608536 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0032557 | -.000766 | .0013412 |
| #2 | .0014445 | -.001943 | .0014543 |
| #3 | .0005071 | -.001111 | .0014542 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1230.247 | 2257.657 | 25836.46 | 3363.325 | 2963.265 |
| Stddev    | 6.534    | 9.741    | 203.64   | 13.475   | 9.758    |
| %RSD      | .5311353 | .4314553 | .7881826 | .4006390 | .3292948 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1235.761 | 2253.524 | 25999.65 | 3374.125 | 2968.761 |
| #2 | 1231.951 | 2268.783 | 25901.49 | 3367.625 | 2969.035 |
| #3 | 1223.030 | 2250.663 | 25608.26 | 3348.225 | 2951.998 |

Sample Name: K1335-04DLX10      Acquired: 02/13/2019 15:57:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0143482 | .0103951 | .5570114 | .0073571 | .0107573 | 7.359880 | .5171895 |
| Stddev | .0026700 | .0027612 | .0007495 | .0005506 | .0009750 | .019947  | .0028659 |
| %RSD   | 18.60853 | 26.56264 | .1345519 | 7.483203 | 9.063616 | .2710237 | .5541194 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0119011 | .0098002 | .5574652 | .0067292 | .0118830 | 7.373993 | .5147597 |
| #2 | .0139478 | .0134053 | .5574228 | .0075849 | .0102078 | 7.337060 | .5203499 |
| #3 | .0171958 | .0079799 | .5561464 | .0077572 | .0101810 | 7.368587 | .5164589 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0119561 | .0875247 | 5.236018 | .0627351 | .1170870 | .1207621 | 22.53703 |
| Stddev | .0000907 | .0002118 | .025302  | .0006071 | .0003863 | .0047967 | .08857   |
| %RSD   | .7589669 | .2419773 | .4832259 | .9677134 | .3299557 | 3.971985 | .3930184 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0118805 | .0877264 | 5.224245 | .0620956 | .1175178 | .1156651 | 22.63580 |
| #2 | .0119311 | .0875437 | 5.218749 | .0633036 | .1167713 | .1214337 | 22.51064 |
| #3 | .0120568 | .0873041 | 5.265061 | .0628062 | .1169719 | .1251876 | 22.46465 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4187987 | 1.502303 | .1254184 | .0055671 | -.410979 | .1358021 | 11.15216 |
| Stddev | .0072109 | .036735  | .0005972 | .0002856 | .088554  | .0146002 | .14957   |
| %RSD   | 1.721803 | 2.445223 | .4761780 | 5.129628 | 21.54711 | 10.75109 | 1.341158 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4271200 | 1.492754 | .1250905 | .0052384 | -.505776 | .1203255 | 11.26385 |
| #2 | .4148900 | 1.542869 | .1250569 | .0057538 | -.330383 | .1493303 | 11.21040 |
| #3 | .4143861 | 1.471286 | .1261077 | .0057091 | -.396779 | .1377506 | 10.98223 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1805418 | .3505651 | .0215426 | .0009976 | 2.046370 | .5576953 | -.000524 |
| Stddev | .1656597 | .0028429 | .0009182 | .0002781 | .004879  | .0114233 | .001113  |
| %RSD   | 91.75699 | .8109460 | 4.262120 | 27.87518 | .2384101 | 2.048306 | 212.2165 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.006630 | .3527360 | .0226026 | .0006854 | 2.050027 | .5599272 | -.001059 |
| #2 | .239951  | .3516123 | .0209984 | .0012185 | 2.040831 | .5453208 | .000755  |
| #3 | .308305  | .3473472 | .0210266 | .0010890 | 2.048253 | .5678380 | -.001269 |



Sample Name: K1335-04DLX10      Acquired: 02/13/2019 15:57:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR0S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0228337 | .0021972 | .0074618 |
| Stddev | .0024234 | .0015674 | .0000972 |
| %RSD   | 10.61344 | 71.33594 | 1.302051 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0200622 | .0030003 | .0073563 |
| #2 | .0238840 | .0032004 | .0075476 |
| #3 | .0245547 | .0003910 | .0074816 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1256.672 | 2308.992 | 26550.00 | 3448.897 | 2997.946 |
| Stddev    | 10.302   | 9.480    | 249.62   | 25.303   | 8.603    |
| %RSD      | .8197536 | .4105844 | .9402017 | .7336521 | .2869504 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1247.803 | 2302.440 | 26398.78 | 3447.521 | 2988.785 |
| #2 | 1254.242 | 2304.673 | 26413.09 | 3474.860 | 2999.202 |
| #3 | 1267.971 | 2319.863 | 26838.12 | 3424.311 | 3005.852 |

Sample Name: K1320-14DL2X20      Acquired: 02/13/2019 16:05:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAF44      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018850 | .0003012 | 2.197072 | .0019042 | .0007488 | 3.141987 | .0474210 |
| Stddev | .0028581 | .0017802 | .014965  | .0005543 | .0013402 | .017669  | .0005831 |
| %RSD   | 151.6243 | 590.9805 | .6811313 | 29.10984 | 178.9854 | .5623620 | 1.229633 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028219 | -.000866 | 2.192307 | .0024550 | -.000757 | 3.132469 | .0467503 |
| #2 | -.001324 | .002350  | 2.185069 | .0019113 | .001191  | 3.131117 | .0478073 |
| #3 | .004157  | -.000581 | 2.213839 | .0013464 | .001812  | 3.162375 | .0477054 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004531 | .0494402 | 4.404762 | .0071994 | .0030589 | .0481560 | 12.61094 |
| Stddev | .0000265 | .0002266 | .021030  | .0005419 | .0000803 | .0009890 | .08928   |
| %RSD   | 5.855399 | .4583163 | .4774339 | 7.527572 | 2.624153 | 2.053714 | .7079907 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004651 | .0493632 | 4.381442 | .0065752 | .0030149 | .0476410 | 12.70755 |
| #2 | .0004227 | .0492622 | 4.422287 | .0075499 | .0031515 | .0475309 | 12.53147 |
| #3 | .0004716 | .0496953 | 4.410556 | .0074732 | .0030102 | .0492963 | 12.59379 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0698039 | .7686195 | .0170424 | .0000489 | -.268744 | .0113222 | 17.87070 |
| Stddev | .0010298 | .0399944 | .0000998 | .0002987 | .170752  | .0097438 | .16333   |
| %RSD   | 1.475323 | 5.203409 | .5855847 | 610.3926 | 63.53707 | 86.05903 | .9139282 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0704053 | .7224625 | .0170735 | .0003854 | -.147703 | .0225733 | 17.76167 |
| #2 | .0703915 | .7930022 | .0169307 | -.000185 | -.464054 | .0057047 | 17.79194 |
| #3 | .0686147 | .7903939 | .0171228 | -.000054 | -.194476 | .0056886 | 18.05848 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0977545 | .2795530 | .0085751 | .0005037 | 2.001963 | 1.892379 | -.001011 |
| Stddev | .0660300 | .0066483 | .0004632 | .0003434 | .012945  | .009351  | .000534  |
| %RSD   | 67.54679 | 2.378174 | 5.402018 | 68.16909 | .6466393 | .4941384 | 52.84295 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0981450 | .2747553 | .0085205 | .0007329 | 1.996401 | 1.900142 | -.001238 |
| #2 | .0315300 | .2767619 | .0090632 | .0001089 | 1.992729 | 1.894997 | -.000400 |
| #3 | .1635883 | .2871419 | .0081416 | .0006693 | 2.016760 | 1.881998 | -.001393 |

Sample Name: K1320-14DL2X20      Acquired: 02/13/2019 16:05:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAF44      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0108022 | .0011711 | .0046830 |
| Stddev | .0017395 | .0029268 | .0001230 |
| %RSD   | 16.10339 | 249.9183 | 2.626629 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0119643 | .0015667 | .0046749 |
| #2 | .0088024 | .0038800 | .0045643 |
| #3 | .0116401 | -.001933 | .0048099 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1261.056 | 2279.054 | 26444.21 | 3416.292 | 2961.445 |
| Stddev    | 8.876    | 3.337    | 97.53    | 12.242   | 8.925    |
| %RSD      | .7038197 | .1464242 | .3688084 | .3583386 | .3013821 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1267.388 | 2281.822 | 26529.86 | 3412.425 | 2970.726 |
| #2 | 1264.870 | 2279.992 | 26464.71 | 3430.000 | 2960.686 |
| #3 | 1250.911 | 2275.349 | 26338.06 | 3406.450 | 2952.924 |

Sample Name: K1323-08DLX2      Acquired: 02/13/2019 16:09:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0306685 | .0002867 | .6609716 | .0018983 | .0030184 | 23.79427 | .5617486 |
| Stddev | .0009845 | .0019569 | .0058476 | .0010796 | .0010269 | .03185   | .0023346 |
| %RSD   | 3.210127 | 682.4820 | .8846896 | 56.87250 | 34.02247 | .1338635 | .4156028 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0314742 | .0023268 | .6547907 | .0024328 | .0032411 | 23.76816 | .5644357 |
| #2 | .0295711 | -.001575 | .6617079 | .0006557 | .0018984 | 23.78489 | .5602177 |
| #3 | .0309602 | .000108  | .6664161 | .0026064 | .0039158 | 23.82976 | .5605922 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044670 | .1186617 | 17.22697 | .0705022 | .0166878 | .0665981 | 91.90523 |
| Stddev | .0000423 | .0006955 | .08873   | .0002116 | .0001957 | .0044374 | .64249   |
| %RSD   | .9461888 | .5860941 | .5150773 | .3001687 | 1.173011 | 6.663034 | .6990829 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044634 | .1182593 | 17.32332 | .0703862 | .0165051 | .0637846 | 91.16687 |
| #2 | .0044267 | .1182610 | 17.20899 | .0703740 | .0168944 | .0717135 | 92.33699 |
| #3 | .0045110 | .1194647 | 17.14861 | .0707465 | .0166640 | .0642962 | 92.21183 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4708107 | 4.282932 | .0365266 | -.004317 | -.401589 | .1974800 | 16.51022 |
| Stddev | .0020877 | .040900  | .0003266 | .000158  | .334328  | .0086265 | .05593   |
| %RSD   | .4434295 | .9549642 | .8940960 | 3.656434 | 83.25132 | 4.368311 | .3387701 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4686462 | 4.248577 | .0368641 | -.004372 | -.592173 | .2054546 | 16.46198 |
| #2 | .4728120 | 4.328174 | .0365034 | -.004440 | -.597044 | .1986620 | 16.49716 |
| #3 | .4709738 | 4.272044 | .0362122 | -.004139 | -.015550 | .1883234 | 16.57153 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.161482 | .9820684 | .1088351 | .0025506 | 2.990444 | 9.994074 | .0031275 |
| Stddev | .068564  | .0091363 | .0017256 | .0000807 | .014735  | .083695  | .0002151 |
| %RSD   | 5.903124 | .9303171 | 1.585500 | 3.164592 | .4927471 | .8374501 | 6.877505 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.164754 | .9726582 | .1080857 | .0024631 | 2.981088 | 9.939466 | .0031778 |
| #2 | 1.228352 | .9826432 | .1108087 | .0025665 | 2.982815 | 9.952324 | .0033130 |
| #3 | 1.091341 | .9909037 | .1076109 | .0026222 | 3.007430 | 10.09043 | .0028917 |

Sample Name: K1323-08DLX2      Acquired: 02/13/2019 16:09:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAF78      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0927531 | .0105732 | .0332397 |
| Stddev | .0004572 | .0005714 | .0001416 |
| %RSD   | .4928968 | 5.404302 | .4259775 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0923150 | .0099772 | .0333638 |
| #2 | .0927170 | .0106259 | .0332699 |
| #3 | .0932272 | .0111164 | .0330855 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1318.836 | 2408.073 | 27859.16 | 3613.178 | 2992.255 |
| Stddev    | 6.038    | 8.136    | 120.36   | 12.244   | 13.684   |
| %RSD      | .4578016 | .3378834 | .4320131 | .3388819 | .4573167 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1313.123 | 2415.519 | 27738.72 | 3624.800 | 3000.431 |
| #2 | 1325.153 | 2409.313 | 27859.33 | 3614.341 | 2999.876 |
| #3 | 1318.230 | 2399.388 | 27979.43 | 3600.394 | 2976.457 |

Sample Name: CCB008      Acquired: 02/13/2019 16:21:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB008      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002698 | -.000886 | .0017691 | .0019745 | .0014846 | -.018149 | -.003794 |
| Stddev | .003683  | .001191  | .0003011 | .0018631 | .0012724 | .008846  | .001153  |
| %RSD   | 136.5222 | 134.3880 | 17.01806 | 94.36032 | 85.70875 | 48.74042 | 30.40247 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000432 | -.000451 | .0014813 | .0005040 | .0028412 | -.011916 | -.005120 |
| #2 | -.006948 | -.002233 | .0017441 | .0013498 | .0012949 | -.014258 | -.003241 |
| #3 | -.000714 | .000026  | .0020819 | .0040697 | .0003177 | -.028274 | -.003021 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000048 | .0001064 | -.016415 | .0000058 | -.000173 | .0016419 | .0197913 |
| Stddev | .000050  | .0000561 | .005392  | .0003919 | .000217  | .0067139 | .0217512 |
| %RSD   | 104.9029 | 52.72149 | 32.84565 | 6759.781 | 125.6675 | 408.8996 | 109.9026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000106 | .0001640 | -.010209 | -.000374 | .000078  | .0046965 | .0080846 |
| #2 | -.000019 | .0001030 | -.019089 | -.000017 | -.000302 | -.006056 | .0448886 |
| #3 | -.000018 | .0000520 | -.019946 | .000408  | -.000294 | .006285  | .0064008 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008112 | -.011143 | .0003158 | .0007701 | -.505841 | -.006406 | .0004127 |
| Stddev | .0001579 | .084858  | .0002988 | .0004260 | .126984  | .002474  | .0140543 |
| %RSD   | 19.46480 | 761.5576 | 94.62023 | 55.32210 | 25.10343 | 38.62004 | 3405.420 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009734 | .004091  | .0000433 | .0007012 | -.554132 | -.007957 | -.006216 |
| #2 | .0008023 | .065067  | .0002687 | .0012264 | -.361797 | -.007708 | -.009101 |
| #3 | .0006579 | -.102585 | .0006353 | .0003827 | -.601595 | -.003553 | .016556  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.198535 | -.006069 | .0031415 | .0002045 | -.006756 | -.001691 | -.000635 |
| Stddev | .083281  | .000652  | .0002974 | .0001059 | .001301  | .000181  | .001296  |
| %RSD   | 41.94773 | 10.74783 | 9.466018 | 51.80562 | 19.25785 | 10.68423 | 204.1403 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.198849 | -.006702 | .0034488 | .0001045 | -.005830 | -.001898 | -.001284 |
| #2 | -.281658 | -.006105 | .0031206 | .0001934 | -.008244 | -.001566 | .000857  |
| #3 | -.115097 | -.005399 | .0028551 | .0003155 | -.006195 | -.001607 | -.001478 |

Sample Name: CCB008      Acquired: 02/13/2019 16:21:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB008      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000671 | .0001490 | -.000083 |
| Stddev | .0008233 | .0002697 | .000059  |
| %RSD   | 1226.251 | 181.0452 | 70.30131 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000851 | .0004569 | -.000040 |
| #2 | .000740  | .0000356 | -.000150 |
| #3 | .000312  | -.000046 | -.000060 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1232.915 | 2236.836 | 25967.34 | 3371.117 | 2978.443 |
| Stddev    | 4.511    | 9.758    | 116.13   | 7.558    | 14.948   |
| %RSD      | .3658581 | .4362236 | .4472288 | .2241839 | .5018863 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1232.161 | 2234.403 | 25833.64 | 3369.650 | 2981.667 |
| #2 | 1228.830 | 2247.580 | 26025.25 | 3379.300 | 2991.516 |
| #3 | 1237.756 | 2228.526 | 26043.13 | 3364.400 | 2962.145 |

Sample Name: CCV008      Acquired: 02/13/2019 16:18:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV008      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.828033 | 4.821227 | 23.23471 | 5.226270 | 5.249575 | 382.3159 | 9.434237 |
| Stddev | .017706  | .025819  | .07652   | .033881  | .035479  | 2.4424   | .055214  |
| %RSD   | .3667258 | .5355380 | .3293408 | .6482835 | .6758477 | .6388424 | .5852503 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.810589 | 4.794029 | 23.15628 | 5.207933 | 5.216535 | 381.9388 | 9.395799 |
| #2 | 4.827519 | 4.824248 | 23.23869 | 5.205509 | 5.245117 | 380.0840 | 9.409405 |
| #3 | 4.845989 | 4.845403 | 23.30916 | 5.265367 | 5.287072 | 384.9250 | 9.497507 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4958739 | 2.455023 | 363.6727 | 14.91462 | 2.432918 | 14.59922 | 409.9528 |
| Stddev | .0037744 | .012657  | 1.7917   | .00794   | .008201  | .09435   | 4.0599   |
| %RSD   | .7611721 | .5155707 | .4926574 | .0532103 | .3370947 | .6462633 | .9903406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4964560 | 2.444578 | 362.8587 | 14.91154 | 2.424698 | 14.57026 | 411.7411 |
| #2 | .4918422 | 2.451393 | 362.4324 | 14.92363 | 2.432956 | 14.52275 | 405.3058 |
| #3 | .4993235 | 2.469099 | 365.7268 | 14.90868 | 2.441101 | 14.70465 | 412.8117 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.95677 | 402.9348 | 2.441839 | 1.174019 | 392.7035 | 2.422458 | 15.19304 |
| Stddev | .11364   | 4.3300   | .007602  | .006036  | 3.2798   | .043644  | .03370   |
| %RSD   | .8142331 | 1.074609 | .3113402 | .5141152 | .8351895 | 1.801623 | .2218355 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.98840 | 404.7563 | 2.434067 | 1.174225 | 392.8331 | 2.442261 | 15.19349 |
| #2 | 13.83067 | 397.9916 | 2.442190 | 1.179948 | 389.3608 | 2.372424 | 15.15911 |
| #3 | 14.05124 | 406.0564 | 2.449260 | 1.167882 | 395.9166 | 2.452690 | 15.22651 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 147.5185 | 4.936594 | 4.966128 | 5.224781 | 4.623013 | 4.775573 | 4.908555 |
| Stddev | .8900    | .026465  | .022908  | .038331  | .026575  | .025819  | .018847  |
| %RSD   | .6033026 | .5361041 | .4612903 | .7336317 | .5748381 | .5406415 | .3839703 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 147.0095 | 4.909831 | 4.979018 | 5.196854 | 4.594842 | 4.781634 | 4.893281 |
| #2 | 146.9999 | 4.937199 | 4.939678 | 5.209006 | 4.626563 | 4.747263 | 4.902766 |
| #3 | 148.5461 | 4.962751 | 4.979687 | 5.268481 | 4.647634 | 4.797822 | 4.929618 |



Sample Name: CCV008      Acquired: 02/13/2019 16:18:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV008      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.596721 | 4.916666 | 4.795643 |
| Stddev | .035691  | .038397  | .023264  |
| %RSD   | .7764403 | .7809572 | .4851151 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.594862 | 4.898983 | 4.782814 |
| #2 | 4.561996 | 4.890297 | 4.781618 |
| #3 | 4.633304 | 4.960719 | 4.822497 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1054.329 | 1914.866 | 24364.35 | 3237.149 | 2410.497 |
| Stddev    | 8.181    | 6.740    | 92.45    | 20.114   | 4.018    |
| %RSD      | .7759728 | .3519744 | .3794497 | .6213514 | .1666858 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1060.933 | 1917.636 | 24342.26 | 3227.225 | 2410.614 |
| #2 | 1056.878 | 1919.779 | 24465.84 | 3260.296 | 2414.455 |
| #3 | 1045.177 | 1907.182 | 24284.94 | 3223.925 | 2406.421 |

Sample Name: K1333-16DLX5      Acquired: 02/13/2019 16:30:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFAQ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0164418 | -.000886 | 1.940012 | .0057829 | .0033095 | 18.75530 | .2719979 |
| Stddev | .0043374 | .003709  | .009873  | .0024667 | .0016141 | .07136   | .0010028 |
| %RSD   | 26.38060 | 418.5656 | .5089065 | 42.65469 | 48.77103 | .3804872 | .3686869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0129706 | -.001148 | 1.935425 | .0038745 | .0036798 | 18.67658 | .2715614 |
| #2 | .0213041 | -.004457 | 1.933268 | .0085682 | .0015424 | 18.77354 | .2712873 |
| #3 | .0150506 | .002947  | 1.951344 | .0049059 | .0047062 | 18.81577 | .2731450 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0025391 | .0757765 | 16.74505 | .0555830 | .0209382 | .1339294 | 53.61881 |
| Stddev | .0000296 | .0004987 | .02190   | .0001343 | .0002722 | .0036600 | .25005   |
| %RSD   | 1.166823 | .6581177 | .1307553 | .2416275 | 1.300183 | 2.732792 | .4663434 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0025087 | .0754777 | 16.72247 | .0554860 | .0211334 | .1352304 | 53.50911 |
| #2 | .0025407 | .0754995 | 16.74648 | .0557363 | .0206272 | .1367612 | 53.44236 |
| #3 | .0025679 | .0763522 | 16.76619 | .0555267 | .0210541 | .1297966 | 53.90496 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5660857 | 2.827343 | .0378108 | -.002271 | -.366832 | .0704972 | 13.47496 |
| Stddev | .0026642 | .073324  | .0005832 | .000029  | .063143  | .0071519 | .14747   |
| %RSD   | .4706339 | 2.593392 | 1.542437 | 1.286702 | 17.21296 | 10.14490 | 1.094433 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5633003 | 2.811288 | .0371884 | -.002304 | -.430053 | .0758121 | 13.64434 |
| #2 | .5663473 | 2.763376 | .0383447 | -.002261 | -.303768 | .0733138 | 13.37507 |
| #3 | .5686094 | 2.907364 | .0378993 | -.002247 | -.366675 | .0623659 | 13.40546 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8424324 | .5711882 | .0601511 | .0022679 | 4.632935 | 1.325727 | .0003029 |
| Stddev | .0970654 | .0018447 | .0006469 | .0001156 | .021196  | .006524  | .0011093 |
| %RSD   | 11.52205 | .3229502 | 1.075436 | 5.095585 | .4575045 | .4920937 | 366.2284 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8484960 | .5710579 | .0594903 | .0023644 | 4.626349 | 1.318261 | -.000888 |
| #2 | .7424773 | .5694121 | .0601800 | .0021398 | 4.615815 | 1.328593 | .000490  |
| #3 | .9363239 | .5730945 | .0607831 | .0022995 | 4.656643 | 1.330328 | .001307  |

Sample Name: K1333-16DLX5      Acquired: 02/13/2019 16:30:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFQ3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0499268 | .0060750 | .0268952 |
| Stddev | .0013033 | .0011086 | .0002828 |
| %RSD   | 2.610410 | 18.24912 | 1.051398 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0490282 | .0063032 | .0265777 |
| #2 | .0514215 | .0070517 | .0271200 |
| #3 | .0493306 | .0048700 | .0269880 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1272.934 | 2314.489 | 26984.01 | 3537.700 | 2969.207 |
| Stddev    | 3.804    | 13.709   | 127.03   | 15.529   | 13.239   |
| %RSD      | .2988416 | .5923136 | .4707747 | .4389696 | .4458641 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1273.104 | 2318.042 | 26895.19 | 3555.600 | 2982.004 |
| #2 | 1269.048 | 2326.072 | 26927.34 | 3529.675 | 2970.050 |
| #3 | 1276.650 | 2299.354 | 27129.52 | 3527.825 | 2955.567 |

Sample Name: K1333-15DLX10      Acquired: 02/13/2019 16:25:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFQ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008529 | -.001100 | .8405766 | .0051890 | .0015731 | 1.291395 | .0142469 |
| Stddev | .0013355 | .001082  | .0040235 | .0016159 | .0021209 | .013806  | .0014196 |
| %RSD   | 156.5851 | 98.36200 | .4786654 | 31.14112 | 134.8177 | 1.069055 | 9.964465 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0006458 | -.002345 | .8381090 | .0068259 | -.000769 | 1.282564 | .0138506 |
| #2 | -.000367 | -.000384 | .8384013 | .0051463 | .002125  | 1.284316 | .0158226 |
| #3 | .002280  | -.000571 | .8452195 | .0035949 | .003364  | 1.307304 | .0130675 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002141 | .0572598 | 9.274624 | .0034363 | .0033011 | .0343111 | 7.226449 |
| Stddev | .0000293 | .0003967 | .036988  | .0002512 | .0002101 | .0043020 | .095750  |
| %RSD   | 13.67840 | .6927593 | .3988036 | 7.309717 | 6.364965 | 12.53832 | 1.324990 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002173 | .0570068 | 9.235172 | .0031538 | .0035436 | .0368188 | 7.287598 |
| #2 | .0002416 | .0570557 | 9.280181 | .0035208 | .0031721 | .0293436 | 7.116102 |
| #3 | .0001833 | .0577170 | 9.308518 | .0036343 | .0031877 | .0367709 | 7.275647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1340939 | .9590624 | .0076011 | .0003916 | -.452079 | -.000113 | 13.82590 |
| Stddev | .0024486 | .0277336 | .0005665 | .0001546 | .147485  | .005121  | .08072   |
| %RSD   | 1.826052 | 2.891740 | 7.453410 | 39.47230 | 32.62369 | 4523.707 | .5837976 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1313445 | .9521921 | .0079859 | .0002626 | -.298282 | -.003705 | 13.91868 |
| #2 | .1348977 | .9354097 | .0078668 | .0003492 | -.592316 | .005751  | 13.78711 |
| #3 | .1360397 | .9895854 | .0069505 | .0005630 | -.465639 | -.002386 | 13.77190 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.023846 | .2261642 | .0062551 | .0008184 | 2.473261 | .8283727 | -.001348 |
| Stddev | .053770  | .0015819 | .0005386 | .0003624 | .018695  | .0025192 | .000987  |
| %RSD   | 225.4885 | .6994649 | 8.611083 | 44.28607 | .7558905 | .3041167 | 73.19389 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.056769 | .2245787 | .0067381 | .0011248 | 2.453406 | .8279643 | -.001933 |
| #2 | .038203  | .2261713 | .0063528 | .0009120 | 2.475850 | .8260826 | -.000209 |
| #3 | -.052971 | .2277425 | .0056742 | .0004183 | 2.490526 | .8310712 | -.001902 |

Sample Name: K1333-15DLX10      Acquired: 02/13/2019 16:25:57      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFQ2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0071842 | .0007605 | .0057141 |
| Stddev | .0017804 | .0012336 | .0000805 |
| %RSD   | 24.78237 | 162.2094 | 1.407949 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0077426 | -.000470 | .0058061 |
| #2 | .0086185 | .000755  | .0056792 |
| #3 | .0051915 | .001997  | .0056570 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1237.142 | 2241.331 | 26017.23 | 3399.992 | 2953.275 |
| Stddev    | 5.644    | 12.408   | 108.87   | 12.193   | 14.477   |
| %RSD      | .4561909 | .5536031 | .4184451 | .3586114 | .4901852 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1240.731 | 2253.771 | 25894.65 | 3411.225 | 2961.381 |
| #2 | 1230.637 | 2241.267 | 26054.40 | 3401.725 | 2961.881 |
| #3 | 1240.057 | 2228.955 | 26102.65 | 3387.025 | 2936.561 |

Sample Name: K1333-17DLX2      Acquired: 02/13/2019 16:34:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFAQ      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0396745 | -.000237 | .8030649 | .0040979 | .0039979 | 26.09405 | .4287279 |
| Stddev | .0043305 | .001628  | .0022964 | .0004691 | .0028164 | .05729   | .0008568 |
| %RSD   | 10.91507 | 687.6984 | .2859497 | 11.44653 | 70.44833 | .2195699 | .1998561 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0360972 | .000854  | .8056975 | .0045910 | .0072496 | 26.06812 | .4281289 |
| #2 | .0384373 | .000543  | .8014738 | .0036573 | .0023306 | 26.15972 | .4283455 |
| #3 | .0444889 | -.002108 | .8020235 | .0040453 | .0024133 | 26.05430 | .4297094 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0036280 | .1253885 | 30.66365 | .0686622 | .0303289 | .1571220 | 94.37369 |
| Stddev | .0001111 | .0001135 | .07428   | .0008174 | .0001359 | .0025677 | .59270   |
| %RSD   | 3.062745 | .0905171 | .2422484 | 1.190459 | .4480016 | 1.634226 | .6280307 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035747 | .1253915 | 30.68820 | .0677287 | .0301731 | .1555032 | 94.65467 |
| #2 | .0037557 | .1252735 | 30.58020 | .0690079 | .0304230 | .1557802 | 94.77365 |
| #3 | .0035535 | .1255004 | 30.72255 | .0692499 | .0303905 | .1600827 | 93.69276 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.077312 | 5.196313 | .0496267 | -.004538 | -.427341 | .1365945 | 19.55549 |
| Stddev | .005913  | .026055  | .0002263 | .000011  | .291767  | .0052083 | .12729   |
| %RSD   | .5488982 | .5014073 | .4559641 | .2477325 | 68.27511 | 3.813002 | .6509079 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.083315 | 5.190575 | .0498267 | -.004546 | -.764138 | .1319815 | 19.59535 |
| #2 | 1.077130 | 5.173605 | .0496721 | -.004543 | -.251594 | .1355594 | 19.65807 |
| #3 | 1.071492 | 5.224758 | .0493811 | -.004525 | -.266290 | .1422427 | 19.41304 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.633445 | 2.043417 | .1162005 | .0030610 | 5.824300 | 3.002812 | .0018267 |
| Stddev | .068122  | .007774  | .0004271 | .0002726 | .027680  | .021971  | .0008707 |
| %RSD   | 1.874858 | .3804423 | .3675866 | 8.906770 | .4752481 | .7316715 | 47.66678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.566144 | 2.051366 | .1161943 | .0033594 | 5.839845 | 3.028120 | .0009400 |
| #2 | 3.631832 | 2.035830 | .1157765 | .0029984 | 5.792342 | 2.988639 | .0026804 |
| #3 | 3.702359 | 2.043054 | .1166307 | .0028251 | 5.840712 | 2.991675 | .0018596 |

Sample Name: K1333-17DLX2      Acquired: 02/13/2019 16:34:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFQ4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1040143 | .0187468 | .0488748 |
| Stddev | .0005625 | .0007076 | .0001538 |
| %RSD   | .5408122 | 3.774297 | .3146610 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1046047 | .0185332 | .0488487 |
| #2 | .1034846 | .0195366 | .0487357 |
| #3 | .1039535 | .0181707 | .0490400 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1300.432 | 2371.474 | 27674.32 | 3615.158 | 2955.450 |
| Stddev    | 8.000    | 1.995    | 116.23   | 10.568   | 3.257    |
| %RSD      | .6151853 | .0841326 | .4199748 | .2923199 | .1101971 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1303.485 | 2372.125 | 27795.20 | 3603.025 | 2952.896 |
| #2 | 1291.355 | 2369.235 | 27563.39 | 3620.100 | 2959.118 |
| #3 | 1306.456 | 2373.062 | 27664.37 | 3622.350 | 2954.337 |

Sample Name: K1333-19DLX2      Acquired: 02/13/2019 16:38:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFAQ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0502319 | -.000903 | .4674585 | .0032797 | .0059087 | 66.91494 | .6551121 |
| Stddev | .0017476 | .001214  | .0008725 | .0048274 | .0005978 | .19307   | .0012565 |
| %RSD   | 3.479111 | 134.4700 | .1866569 | 147.1924 | 10.11761 | .2885336 | .1918073 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0502921 | -.001914 | .4665896 | -.000663 | .0053170 | 67.13560 | .6551150 |
| #2 | .0519486 | -.001237 | .4674512 | .008664  | .0058967 | 66.77708 | .6538541 |
| #3 | .0484549 | .000443  | .4683347 | .001838  | .0065125 | 66.83214 | .6563672 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0064105 | .1035259 | 11.22304 | .1052502 | .0441900 | .0895623 | 143.1935 |
| Stddev | .0000994 | .0003636 | .06055   | .0006749 | .0001547 | .0045565 | .7583    |
| %RSD   | 1.550138 | .3511878 | .5395053 | .6411967 | .3500368 | 5.087538 | .5295391 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065228 | .1034893 | 11.27120 | .1056905 | .0441114 | .0937662 | 144.0408 |
| #2 | .0063749 | .1031819 | 11.15507 | .1055868 | .0443682 | .0902002 | 142.5787 |
| #3 | .0063339 | .1039063 | 11.24285 | .1044732 | .0440904 | .0847204 | 142.9612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8552852 | 4.422523 | .0501143 | -.007462 | -.619448 | .2500397 | 18.74973 |
| Stddev | .0004006 | .019583  | .0009753 | .000466  | .064761  | .0019137 | .12155   |
| %RSD   | .0468324 | .4428094 | 1.946128 | 6.240819 | 10.45464 | .7653678 | .6482735 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8548487 | 4.424610 | .0490309 | -.007406 | -.614790 | .2495605 | 18.87949 |
| #2 | .8553707 | 4.440980 | .0509221 | -.007027 | -.557141 | .2521475 | 18.73118 |
| #3 | .8556360 | 4.401980 | .0503900 | -.007954 | -.686412 | .2484111 | 18.63853 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.563594 | .8309557 | .1662192 | .0048996 | 3.056049 | 5.027656 | .0050898 |
| Stddev | .070242  | .0023549 | .0017347 | .0002186 | .011732  | .016120  | .0001700 |
| %RSD   | 2.739980 | .2833991 | 1.043600 | 4.461563 | .3838803 | .3206291 | 3.340271 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.561532 | .8285096 | .1681978 | .0050788 | 3.053771 | 5.043476 | .0049537 |
| #2 | 2.634845 | .8311503 | .1654999 | .0049640 | 3.045623 | 5.011251 | .0052804 |
| #3 | 2.494406 | .8332074 | .1649599 | .0046561 | 3.068752 | 5.028240 | .0050354 |



Sample Name: K1333-19DLX2      Acquired: 02/13/2019 16:38:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFQ6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1718319 | .0218137 | .0535614 |
| Stddev | .0001684 | .0005795 | .0003892 |
| %RSD   | .0980289 | 2.656762 | .7266353 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1717577 | .0222803 | .0534409 |
| #2 | .1720247 | .0219958 | .0532466 |
| #3 | .1717133 | .0211649 | .0539965 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1303.583 | 2386.634 | 27654.74 | 3645.499 | 2937.842 |
| Stddev    | 6.585    | 8.688    | 116.26   | 5.073    | 6.005    |
| %RSD      | .5051596 | .3640139 | .4203808 | .1391670 | .2044147 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1297.402 | 2393.857 | 27636.09 | 3641.090 | 2942.111 |
| #2 | 1302.836 | 2389.052 | 27548.94 | 3651.044 | 2940.441 |
| #3 | 1310.509 | 2376.994 | 27779.20 | 3644.363 | 2930.975 |

Sample Name: K1335-05DLX5      Acquired: 02/13/2019 16:42:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019321 | -.001082 | .3687879 | .0044119 | .0024776 | .5850338 | .0035237 |
| Stddev | .0013075 | .001731  | .0007290 | .0026051 | .0005428 | .0049576 | .0007111 |
| %RSD   | 67.67124 | 159.9918 | .1976882 | 59.04706 | 21.91000 | .8474024 | 20.17904 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015033 | -.002148 | .3686223 | .0073302 | .0025427 | .5871522 | .0035111 |
| #2 | .0008929 | .000915  | .3681560 | .0035846 | .0019051 | .5885802 | .0028191 |
| #3 | .0034001 | -.002013 | .3695856 | .0023209 | .0029849 | .5793689 | .0042410 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000724 | .0503879 | 1.121106 | .0035796 | .0015410 | .0809140 | 6.772292 |
| Stddev | .0000441 | .0002549 | .022131  | .0004352 | .0001108 | .0017318 | .043442  |
| %RSD   | 60.88947 | .5057973 | 1.973988 | 12.15822 | 7.193032 | 2.140282 | .6414669 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001167 | .0501171 | 1.113714 | .0039523 | .0015963 | .0803753 | 6.795985 |
| #2 | .0000286 | .0506231 | 1.103618 | .0031013 | .0016133 | .0828512 | 6.798736 |
| #3 | .0000719 | .0504234 | 1.145987 | .0036851 | .0014134 | .0795157 | 6.722155 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0334962 | .3539273 | .0054445 | .0006046 | -.108110 | -.004632 | 15.92696 |
| Stddev | .0026919 | .0559533 | .0002880 | .0001216 | .384035  | .006769  | .14389   |
| %RSD   | 8.036294 | 15.80926 | 5.290331 | 20.11370 | 355.2247 | 146.1291 | .9034397 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0351055 | .2978138 | .0056257 | .0005165 | -.063595 | -.000021 | 16.08400 |
| #2 | .0349945 | .3542490 | .0051124 | .0005539 | -.512463 | -.001472 | 15.89544 |
| #3 | .0303886 | .4097190 | .0055955 | .0007434 | .251727  | -.012403 | 15.80144 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.135314 | .2216820 | .0034381 | .0005638 | 2.509753 | 1.665645 | -.000246 |
| Stddev | .059608  | .0023123 | .0007618 | .0002071 | .010414  | .017685  | .000729  |
| %RSD   | 44.05188 | 1.043074 | 22.15687 | 36.74124 | .4149541 | 1.061733 | 296.5181 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.132417 | .2204382 | .0030257 | .0006392 | 2.501752 | 1.645393 | .000024  |
| #2 | -.196317 | .2243500 | .0043172 | .0007226 | 2.505978 | 1.673505 | .000310  |
| #3 | -.077207 | .2202579 | .0029714 | .0003295 | 2.521528 | 1.678037 | -.001071 |

Sample Name: K1335-05DLX5      Acquired: 02/13/2019 16:42:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFR1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0073027 | -.001423 | .0017645 |
| Stddev | .0020931 | .001186  | .0000483 |
| %RSD   | 28.66142 | 83.31475 | 2.734679 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0072169 | -.001246 | .0018201 |
| #2 | .0094373 | -.002687 | .0017342 |
| #3 | .0052539 | -.000336 | .0017391 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1234.948 | 2238.200 | 26112.87 | 3412.967 | 2971.194 |
| Stddev    | 10.968   | .719     | 115.30   | 20.401   | 3.661    |
| %RSD      | .8881217 | .0321064 | .4415468 | .5977628 | .1232234 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1222.781 | 2239.003 | 26011.79 | 3436.500 | 2975.191 |
| #2 | 1244.075 | 2237.981 | 26238.46 | 3402.125 | 2970.388 |
| #3 | 1237.989 | 2237.617 | 26088.37 | 3400.275 | 2968.003 |

Sample Name: K1335-10DLX10      Acquired: 02/13/2019 16:46:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0091080 | -.000945 | 2.788318 | .0047206 | .0031337 | 3.712242 | .0585421 |
| Stddev | .0012572 | .001979  | .008393  | .0013499 | .0012320 | .032112  | .0004191 |
| %RSD   | 13.80288 | 209.3474 | .3010062 | 28.59601 | 39.31600 | .8650293 | .7158474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105558 | .001336  | 2.796063 | .0062520 | .0045487 | 3.709770 | .0589756 |
| #2 | .0084743 | -.002198 | 2.779400 | .0037031 | .0022991 | 3.681437 | .0585114 |
| #3 | .0082937 | -.001974 | 2.789490 | .0042068 | .0025532 | 3.745518 | .0581392 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011642 | .0866951 | 9.281973 | .0128765 | .0051195 | .2630578 | 16.27981 |
| Stddev | .0000486 | .0002051 | .027602  | .0003311 | .0002303 | .0017256 | .13332   |
| %RSD   | 4.174967 | .2365238 | .2973691 | 2.571622 | 4.497460 | .6559676 | .8189419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0011607 | .0867894 | 9.290481 | .0131788 | .0053381 | .2611637 | 16.31349 |
| #2 | .0012144 | .0864598 | 9.304319 | .0125226 | .0048792 | .2645404 | 16.13287 |
| #3 | .0011174 | .0868360 | 9.251119 | .0129280 | .0051412 | .2634693 | 16.39305 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0872598 | 1.641876 | .0273744 | -.000062 | -.408344 | .0116885 | 14.37309 |
| Stddev | .0028977 | .032715  | .0003497 | .000256  | .250509  | .0037785 | .04593   |
| %RSD   | 3.320800 | 1.992553 | 1.277493 | 412.0627 | 61.34763 | 32.32629 | .3195476 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0893908 | 1.609713 | .0270794 | .000122  | -.256956 | .0080627 | 14.42588 |
| #2 | .0839603 | 1.640800 | .0277607 | .000046  | -.270575 | .0113998 | 14.35111 |
| #3 | .0884283 | 1.675117 | .0272832 | -.000354 | -.697500 | .0156031 | 14.34228 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.493062 | 1.014504 | .0166156 | .0007687 | 3.167358 | .6597421 | -.000478 |
| Stddev | .059623  | .004098  | .0008751 | .0000720 | .016447  | .0061470 | .001295  |
| %RSD   | 3.993351 | .4039128 | 5.266720 | 9.361276 | .5192776 | .9317335 | 270.9309 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.432067 | 1.019183 | .0176157 | .0008323 | 3.174243 | .6593492 | -.001126 |
| #2 | 1.551212 | 1.011552 | .0159906 | .0006906 | 3.148587 | .6538009 | -.001321 |
| #3 | 1.495907 | 1.012777 | .0162404 | .0007832 | 3.179245 | .6660761 | .001013  |

Sample Name: K1335-10DLX10      Acquired: 02/13/2019 16:46:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFR6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0042630 | .0021196 | .0192942 |
| Stddev | .0015007 | .0021075 | .0001315 |
| %RSD   | 35.20367 | 99.42725 | .6813275 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0056241 | .0026236 | .0194197 |
| #2 | .0045112 | -.000194 | .0193054 |
| #3 | .0026536 | .003930  | .0191575 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1265.104 | 2279.111 | 26752.24 | 3482.175 | 2957.248 |
| Stddev    | 10.230   | 7.149    | 98.68    | 22.029   | 4.057    |
| %RSD      | .8086614 | .3136921 | .3688776 | .6326251 | .1371989 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1253.502 | 2285.378 | 26674.15 | 3467.950 | 2955.911 |
| #2 | 1268.982 | 2280.632 | 26719.43 | 3507.550 | 2961.806 |
| #3 | 1272.828 | 2271.324 | 26863.15 | 3471.025 | 2954.029 |

Sample Name: K1335-18DLX2      Acquired: 02/13/2019 16:54:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFS4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0401186 | -.002054 | 2.301369 | .0051565 | .0055014 | 46.43180 | .5148692 |
| Stddev | .0007022 | .001153  | .010782  | .0033707 | .0016813 | .23885   | .0027720 |
| %RSD   | 1.750244 | 56.15943 | .4685000 | 65.36662 | 30.56107 | .5144003 | .5383799 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0406191 | -.003384 | 2.292639 | .0020253 | .0062758 | 46.18857 | .5130723 |
| #2 | .0393159 | -.001426 | 2.298047 | .0087241 | .0035724 | 46.44082 | .5134737 |
| #3 | .0404207 | -.001350 | 2.313421 | .0047201 | .0066559 | 46.66600 | .5180615 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055756 | .1911595 | 45.66863 | .0888671 | .0501195 | .2595794 | 108.2581 |
| Stddev | .0000600 | .0006519 | .20609   | .0007497 | .0001651 | .0029067 | .4326    |
| %RSD   | 1.076625 | .3409978 | .4512766 | .8435889 | .3294961 | 1.119761 | .3995855 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0055979 | .1911659 | 45.59607 | .0880162 | .0501288 | .2607526 | 107.9209 |
| #2 | .0056213 | .1905044 | 45.50864 | .0894301 | .0499500 | .2562695 | 108.1075 |
| #3 | .0055076 | .1918080 | 45.90119 | .0891551 | .0502798 | .2617162 | 108.7458 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.281823 | 15.07893 | .0882711 | -.004965 | -.252088 | .1388442 | 17.69991 |
| Stddev | .003728  | .22186   | .0005892 | .000015  | .041365  | .0044666 | .09087   |
| %RSD   | .2908396 | 1.471327 | .6674465 | .2973750 | 16.40882 | 3.217002 | .5134159 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.283372 | 14.83082 | .0883189 | -.004948 | -.204934 | .1401045 | 17.59833 |
| #2 | 1.277570 | 15.14772 | .0888349 | -.004976 | -.269080 | .1338828 | 17.72791 |
| #3 | 1.284527 | 15.25824 | .0876595 | -.004970 | -.282252 | .1425452 | 17.77349 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.429018 | .8999456 | .1223084 | .0037939 | 5.341483 | 1.473046 | .0027839 |
| Stddev | .044721  | .0048636 | .0015926 | .0002748 | .006144  | .017818  | .0014674 |
| %RSD   | 1.841123 | .5404334 | 1.302150 | 7.243069 | .1150233 | 1.209635 | 52.70833 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.398712 | .8943827 | .1204918 | .0040961 | 5.340240 | 1.453825 | .0044757 |
| #2 | 2.480381 | .9033944 | .1234648 | .0037266 | 5.336056 | 1.476298 | .0020193 |
| #3 | 2.407962 | .9020597 | .1229685 | .0035591 | 5.348154 | 1.489014 | .0018568 |

Sample Name: K1335-18DLX2      Acquired: 02/13/2019 16:54:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFS4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0657758 | .0252635 | .0737414 |
| Stddev | .0003741 | .0009953 | .0001162 |
| %RSD   | .5687070 | 3.939697 | .1575705 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0661985 | .0258538 | .0736347 |
| #2 | .0654876 | .0258224 | .0737242 |
| #3 | .0656412 | .0241144 | .0738652 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1324.787 | 2393.626 | 28230.37 | 3747.252 | 2909.185 |
| Stddev    | 3.857    | 7.842    | 85.47    | 20.070   | 12.215   |
| %RSD      | .2911049 | .3276377 | .3027503 | .5355979 | .4198681 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1328.867 | 2400.866 | 28215.41 | 3769.893 | 2914.451 |
| #2 | 1324.294 | 2394.716 | 28322.32 | 3740.214 | 2917.884 |
| #3 | 1321.202 | 2385.295 | 28153.37 | 3731.648 | 2895.221 |

Sample Name: K1335-11DLX10      Acquired: 02/13/2019 16:50:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFR7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042409 | -.000594 | .4325191 | .0002794 | .0019593 | 5.664199 | .0746545 |
| Stddev | .0012012 | .000456  | .0031721 | .0024283 | .0011356 | .010193  | .0005841 |
| %RSD   | 28.32309 | 76.86199 | .7334055 | 869.1073 | 57.95922 | .1799616 | .7823527 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0040483 | -.001081 | .4361804 | -.002518 | .0031491 | 5.671899 | .0753288 |
| #2 | .0031477 | -.000522 | .4305982 | .001848  | .0018416 | 5.668059 | .0743299 |
| #3 | .0055267 | -.000177 | .4307786 | .001508  | .0008871 | 5.652640 | .0743048 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007377 | .0930618 | 11.71616 | .0113699 | .0061218 | .0399213 | 17.78140 |
| Stddev | .0000286 | .0002104 | .03887   | .0003412 | .0002054 | .0017197 | .15612   |
| %RSD   | 3.870882 | .2260533 | .3318010 | 3.000556 | 3.355810 | 4.307802 | .8779787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007689 | .0930924 | 11.75395 | .0112553 | .0062470 | .0396057 | 17.71418 |
| #2 | .0007128 | .0928379 | 11.67628 | .0117536 | .0058847 | .0417770 | 17.95987 |
| #3 | .0007314 | .0932552 | 11.71824 | .0111008 | .0062337 | .0383813 | 17.67015 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1536955 | 1.398609 | .0120847 | -.000248 | -.400593 | .0200076 | 11.71544 |
| Stddev | .0015800 | .061152  | .0004980 | .000077  | .423047  | .0121959 | .16998   |
| %RSD   | 1.028008 | 4.372346 | 4.121085 | 30.98579 | 105.6050 | 60.95635 | 1.450881 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1553354 | 1.331011 | .0115459 | -.000166 | -.630186 | .0067121 | 11.71856 |
| #2 | .1535680 | 1.450084 | .0125281 | -.000318 | .087611  | .0306755 | 11.88383 |
| #3 | .1521831 | 1.414733 | .0121803 | -.000260 | -.659206 | .0226352 | 11.54392 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2283081 | .1825568 | .0147144 | .0005657 | 2.743352 | .2937658 | -.000710 |
| Stddev | .0209668 | .0012336 | .0007241 | .0004264 | .010628  | .0003132 | .000596  |
| %RSD   | 9.183570 | .6757111 | 4.921208 | 75.37538 | .3874209 | .1066131 | 83.95060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2108294 | .1838740 | .0144547 | .0009424 | 2.750345 | .2936768 | -.001328 |
| #2 | .2515554 | .1814287 | .0155326 | .0006520 | 2.731122 | .2941139 | -.000139 |
| #3 | .2225395 | .1823676 | .0141560 | .0001028 | 2.748590 | .2935068 | -.000663 |



Sample Name: K1335-11DLX10      Acquired: 02/13/2019 16:50:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFR7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0171596 | .0028218 | .0105263 |
| Stddev | .0036729 | .0010444 | .0001159 |
| %RSD   | 21.40447 | 37.01040 | 1.100555 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0160609 | .0017915 | .0106572 |
| #2 | .0141614 | .0027942 | .0104369 |
| #3 | .0212565 | .0038797 | .0104847 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1238.958 | 2247.399 | 26222.12 | 3433.317 | 2961.725 |
| Stddev    | 7.035    | 5.613    | 97.38    | 2.725    | 5.622    |
| %RSD      | .5678299 | .2497750 | .3713560 | .0793704 | .1898166 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1239.907 | 2248.875 | 26181.44 | 3430.200 | 2960.948 |
| #2 | 1231.497 | 2252.127 | 26151.67 | 3435.250 | 2967.695 |
| #3 | 1245.471 | 2241.195 | 26333.24 | 3434.500 | 2956.532 |

Sample Name: K1336-08DLX10      Acquired: 02/13/2019 16:58:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044257 | -.000230 | 1.089229 | .0033116 | .0016667 | 1.908323 | .0256959 |
| Stddev | .0033784 | .000310  | .006360  | .0048049 | .0013526 | .007611  | .0007106 |
| %RSD   | 76.33727 | 134.3296 | .5839071 | 145.0959 | 81.14979 | .3988548 | 2.765595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073005 | .000111  | 1.086908 | -.002043 | .0003723 | 1.911412 | .0249600 |
| #2 | .0052721 | -.000310 | 1.084355 | .007248  | .0030708 | 1.899653 | .0257494 |
| #3 | .0007045 | -.000492 | 1.096423 | .004730  | .0015572 | 1.913904 | .0263783 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003848 | .1335947 | 15.32737 | .0078724 | .0050357 | .0535833 | 12.61250 |
| Stddev | .0000743 | .0003410 | .10560   | .0004941 | .0003463 | .0040398 | .11288   |
| %RSD   | 19.31578 | .2552392 | .6889392 | 6.276979 | 6.877150 | 7.539331 | .8949934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003712 | .1334169 | 15.32343 | .0080013 | .0046656 | .0544793 | 12.62995 |
| #2 | .0004649 | .1333795 | 15.22380 | .0073266 | .0053518 | .0570999 | 12.71563 |
| #3 | .0003181 | .1339879 | 15.43488 | .0082893 | .0050898 | .0491707 | 12.49190 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2313422 | 1.325578 | .0128843 | -.000136 | -.339133 | .0128306 | 22.56407 |
| Stddev | .0019670 | .121962  | .0002849 | .000051  | .022734  | .0161466 | .15142   |
| %RSD   | .8502500 | 9.200655 | 2.211433 | 37.56997 | 6.703590 | 125.8448 | .6710790 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2290946 | 1.218070 | .0129826 | -.000086 | -.342472 | .0198435 | 22.70975 |
| #2 | .2321825 | 1.458112 | .0125632 | -.000136 | -.360012 | .0242850 | 22.57496 |
| #3 | .2327495 | 1.300551 | .0131070 | -.000188 | -.314914 | -.005637 | 22.40750 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.052898 | .2823292 | .0091940 | .0006066 | 4.610786 | 1.620604 | -.001619 |
| Stddev | .063462  | .0014527 | .0016412 | .0001724 | .021548  | .007159  | .000628  |
| %RSD   | 119.9721 | .5145480 | 17.85116 | 28.41730 | .4673293 | .4417192 | 38.76995 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.110469 | .2807012 | .0077176 | .0006727 | 4.597982 | 1.614566 | -.000897 |
| #2 | .015152  | .2834934 | .0109612 | .0007362 | 4.598713 | 1.628512 | -.001925 |
| #3 | -.063376 | .2827930 | .0089032 | .0004110 | 4.635664 | 1.618734 | -.002034 |

Sample Name: K1336-08DLX10      Acquired: 02/13/2019 16:58:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFT3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0137716 | -.001187 | .0085071 |
| Stddev | .0009241 | .000855  | .0001276 |
| %RSD   | 6.709798 | 72.08017 | 1.500093 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0129085 | -.000389 | .0084928 |
| #2 | .0147464 | -.001081 | .0083873 |
| #3 | .0136598 | -.002090 | .0086413 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1245.254 | 2237.418 | 26348.74 | 3440.100 | 2964.041 |
| Stddev    | 11.314   | 2.823    | 67.10    | 19.855   | 7.724    |
| %RSD      | .9085494 | .1261593 | .2546784 | .5771741 | .2605866 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1238.909 | 2240.651 | 26294.18 | 3443.675 | 2967.445 |
| #2 | 1238.537 | 2236.160 | 26328.36 | 3418.700 | 2969.478 |
| #3 | 1258.317 | 2235.444 | 26423.67 | 3457.925 | 2955.200 |

Sample Name: K1336-09DLX20      Acquired: 02/13/2019 17:02:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004548 | -.000731 | .8132983 | .0024762 | -.002149 | .9271731 | .0122548 |
| Stddev | .0035197 | .002214  | .0061261 | .0020005 | .001193  | .0191904 | .0011974 |
| %RSD   | 773.9030 | 303.0302 | .7532348 | 80.78841 | 55.54753 | 2.069771 | 9.770736 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003580 | -.000114 | .8067675 | .0039095 | -.002805 | .9488549 | .0122699 |
| #2 | .002052  | -.003188 | .8142102 | .0001908 | -.002870 | .9202935 | .0134447 |
| #3 | .002893  | .001110  | .8189174 | .0033283 | -.000771 | .9123708 | .0110500 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001853 | .1043469 | 7.105562 | .0019709 | .0044352 | .0391201 | 7.232167 |
| Stddev | .0000391 | .0004358 | .014743  | .0004324 | .0002696 | .0023424 | .027591  |
| %RSD   | 21.09144 | .4176863 | .2074878 | 21.93880 | 6.078708 | 5.987678 | .3814988 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001943 | .1038479 | 7.092498 | .0016539 | .0047290 | .0365847 | 7.226049 |
| #2 | .0001425 | .1045394 | 7.102641 | .0024634 | .0043772 | .0395718 | 7.262302 |
| #3 | .0002192 | .1046532 | 7.121547 | .0017952 | .0041993 | .0412037 | 7.208148 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1903362 | .4518852 | .0129790 | .0004582 | -.593950 | .0031794 | 23.65327 |
| Stddev | .0028732 | .0468302 | .0006845 | .0003127 | .387645  | .0011604 | .33166   |
| %RSD   | 1.509559 | 10.36331 | 5.273744 | 68.24991 | 65.26554 | 36.49589 | 1.402166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1891198 | .4227081 | .0122014 | .0003724 | -.153785 | .0029358 | 23.75966 |
| #2 | .1882712 | .4270454 | .0134904 | .0008049 | -.884456 | .0021602 | 23.28147 |
| #3 | .1936176 | .5059021 | .0132452 | .0001974 | -.743610 | .0044422 | 23.91867 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.037308 | .1454463 | .0020997 | .0013232 | 4.734886 | .4891463 | -.001018 |
| Stddev | .071455  | .0023185 | .0001609 | .0002423 | .018919  | .0028778 | .001579  |
| %RSD   | 191.5290 | 1.594078 | 7.665155 | 18.30765 | .3995623 | .5883285 | 155.1577 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.023106 | .1440942 | .0019639 | .0012492 | 4.725648 | .4899839 | -.002474 |
| #2 | .025980  | .1441212 | .0020577 | .0011266 | 4.722361 | .4915124 | -.001240 |
| #3 | -.114798 | .1481234 | .0022775 | .0015938 | 4.756649 | .4859426 | .000661  |

Sample Name: K1336-09DLX20      Acquired: 02/13/2019 17:02:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFT4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0076175 | -.000993 | .0036857 |
| Stddev | .0012366 | .001353  | .0001272 |
| %RSD   | 16.23355 | 136.2011 | 3.451921 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0087650 | -.000187 | .0037694 |
| #2 | .0077798 | -.000238 | .0037485 |
| #3 | .0063078 | -.002555 | .0035393 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1237.952 | 2237.471 | 26133.71 | 3426.783 | 2956.248 |
| Stddev    | 3.433    | 1.727    | 85.76    | 21.307   | 9.365    |
| %RSD      | .2773325 | .0771692 | .3281575 | .6217695 | .3168022 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1234.403 | 2239.212 | 26054.56 | 3411.025 | 2966.979 |
| #2 | 1241.256 | 2237.442 | 26224.82 | 3418.300 | 2952.037 |
| #3 | 1238.196 | 2235.760 | 26121.74 | 3451.025 | 2949.727 |

Sample Name: K1337-15DLX20      Acquired: 02/13/2019 17:18:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075825 | -.000824 | .0175514 | .0036520 | -.000514 | 4.885042 | .0625966 |
| Stddev | .0012940 | .000446  | .0016162 | .0041535 | .002073  | .017384  | .0004653 |
| %RSD   | 17.06516 | 54.13395 | 9.208539 | 113.7316 | 403.2143 | .3558569 | .7432747 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0064802 | -.001184 | .0186968 | .0000462 | -.000845 | 4.868714 | .0625714 |
| #2 | .0090072 | -.000325 | .0157027 | .0027162 | -.002402 | 4.883094 | .0621445 |
| #3 | .0072601 | -.000962 | .0182547 | .0081935 | .001704  | 4.903317 | .0630740 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007503 | .0059792 | .6657690 | .0295802 | .0055517 | .0010474 | 21.51079 |
| Stddev | .0000394 | .0000296 | .0087815 | .0002972 | .0002307 | .0010395 | .18501   |
| %RSD   | 5.255182 | .4949202 | 1.318998 | 1.004650 | 4.156095 | 99.24732 | .8600974 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007744 | .0060134 | .6633174 | .0292375 | .0058167 | -.000153 | 21.37638 |
| #2 | .0007717 | .0059635 | .6584739 | .0297360 | .0053958 | .001642  | 21.43419 |
| #3 | .0007048 | .0059609 | .6755157 | .0297671 | .0054424 | .001653  | 21.72180 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1974444 | .2802041 | .0074240 | -.000364 | -.593070 | .0323282 | 2.144057 |
| Stddev | .0025797 | .0533004 | .0001483 | .000297  | .287876  | .0137972 | .059718  |
| %RSD   | 1.306528 | 19.02198 | 1.997039 | 81.61915 | 48.54005 | 42.67858 | 2.785267 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2003170 | .2186582 | .0075177 | -.000614 | -.913342 | .0439254 | 2.205830 |
| #2 | .1966906 | .3109577 | .0075013 | -.000036 | -.355850 | .0359895 | 2.139711 |
| #3 | .1953257 | .3109965 | .0072531 | -.000440 | -.510018 | .0170696 | 2.086632 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0634181 | .1341530 | .0188453 | .0005182 | .0879420 | .1131570 | -.000879 |
| Stddev | .0665029 | .0016939 | .0014601 | .0003044 | .0016181 | .0013178 | .000273  |
| %RSD   | 104.8643 | 1.262657 | 7.748021 | 58.74459 | 1.839981 | 1.164553 | 31.02365 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0310823 | .1328223 | .0176396 | .0005582 | .0860931 | .1116361 | -.001164 |
| #2 | .1399054 | .1360598 | .0204688 | .0008007 | .0890994 | .1138773 | -.000853 |
| #3 | .0192665 | .1335769 | .0184275 | .0001958 | .0886336 | .1139576 | -.000620 |

Sample Name: K1337-15DLX20      Acquired: 02/13/2019 17:18:36      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0263836 | -.000793 | .0036721 |
| Stddev | .0006278 | .000899  | .0001576 |
| %RSD   | 2.379404 | 113.3798 | 4.292411 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0262950 | .000243  | .0034935 |
| #2 | .0258048 | -.001369 | .0037309 |
| #3 | .0270510 | -.001254 | .0037918 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1240.062 | 2224.462 | 26074.30 | 3413.942 | 2970.259 |
| Stddev    | 3.320    | 2.508    | 94.16    | 17.432   | 1.301    |
| %RSD      | .2676883 | .1127534 | .3611330 | .5106200 | .0438085 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1236.604 | 2227.350 | 25978.14 | 3414.900 | 2969.869 |
| #2 | 1240.361 | 2223.206 | 26078.44 | 3430.875 | 2971.711 |
| #3 | 1243.222 | 2222.830 | 26166.32 | 3396.050 | 2969.198 |

Sample Name: K1337-11DLX20      Acquired: 02/13/2019 17:14:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFX5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031483 | -.002905 | .1414668 | .0025357 | -.000716 | 1.242494 | .0240370 |
| Stddev | .0045051 | .000913  | .0013282 | .0028710 | .001765  | .004339  | .0011021 |
| %RSD   | 143.0977 | 31.43230 | .9388672 | 113.2222 | 246.5528 | .3491813 | 4.584872 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014663 | -.003021 | .1399332 | .0012195 | -.000590 | 1.247340 | .0252496 |
| #2 | .0082523 | -.003754 | .1422444 | .0058287 | .000983  | 1.241171 | .0230966 |
| #3 | -.000274 | -.001939 | .1422227 | .0005588 | -.002540 | 1.238971 | .0237647 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002160 | .1761351 | 3.525112 | .0041471 | .0019082 | .0757062 | 8.977476 |
| Stddev | .0000550 | .0005531 | .040006  | .0006541 | .0001830 | .0053440 | .088285  |
| %RSD   | 25.44955 | .3139961 | 1.134882 | 15.77155 | 9.589340 | 7.058812 | .9834034 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002794 | .1758714 | 3.537652 | .0041398 | .0020824 | .0701264 | 9.073402 |
| #2 | .0001816 | .1757632 | 3.480338 | .0034968 | .0019246 | .0762143 | 8.899632 |
| #3 | .0001869 | .1767706 | 3.557345 | .0048049 | .0017175 | .0807780 | 8.959394 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0832179 | 1.989465 | .0050471 | .0003483 | -.305726 | .0045448 | 22.53930 |
| Stddev | .0018618 | .097148  | .0002999 | .0002882 | .055324  | .0104879 | .21635   |
| %RSD   | 2.237241 | 4.883098 | 5.942345 | 82.74795 | 18.09601 | 230.7679 | .9598785 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0852381 | 2.100125 | .0049346 | .0005221 | -.266586 | .0150141 | 22.30814 |
| #2 | .0815711 | 1.918214 | .0053870 | .0000156 | -.369020 | .0045818 | 22.57285 |
| #3 | .0828446 | 1.950057 | .0048197 | .0005071 | -.281571 | -.005962 | 22.73692 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.111644 | .1432812 | .0040223 | .0004835 | 6.338069 | .2326726 | -.001187 |
| Stddev | .103572  | .0025378 | .0015361 | .0003742 | .028004  | .0028451 | .000255  |
| %RSD   | 92.76973 | 1.771164 | 38.19048 | 77.39822 | .4418302 | 1.222799 | 21.50424 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.156540 | .1462058 | .0040293 | .0006031 | 6.336998 | .2355849 | -.001479 |
| #2 | .006801  | .1419778 | .0024826 | .0007832 | 6.310617 | .2298998 | -.001002 |
| #3 | -.185193 | .1416600 | .0055548 | .0000641 | 6.366593 | .2325332 | -.001081 |



Sample Name: K1337-11DLX20      Acquired: 02/13/2019 17:14:30      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFX5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0049601 | -.000157 | .0019038 |
| Stddev | .0005969 | .001110  | .0000585 |
| %RSD   | 12.03311 | 707.5547 | 3.072991 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0044770 | .000092  | .0018458 |
| #2 | .0047760 | .000808  | .0019027 |
| #3 | .0056274 | -.001370 | .0019628 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1232.621 | 2230.112 | 26075.95 | 3389.008 | 2956.768 |
| Stddev    | 3.336    | 4.004    | 128.28   | 15.113   | 3.232    |
| %RSD      | .2706094 | .1795218 | .4919544 | .4459392 | .1093186 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1234.355 | 2225.654 | 26109.88 | 3371.950 | 2953.936 |
| #2 | 1228.776 | 2231.279 | 25934.11 | 3400.725 | 2960.289 |
| #3 | 1234.733 | 2233.402 | 26183.85 | 3394.350 | 2956.079 |

Sample Name: K1337-17DLX2      Acquired: 02/13/2019 17:22:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0430150 | .0006348 | .5547945 | .0057879 | .0062892 | 65.36237 | .7637967 |
| Stddev | .0003393 | .0007792 | .0032643 | .0018298 | .0038625 | .18280   | .0018245 |
| %RSD   | .7887332 | 122.7485 | .5883845 | 31.61377 | 61.41527 | .2796725 | .2388718 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0429011 | -.000120 | .5585632 | .0056294 | .0076734 | 65.41710 | .7617888 |
| #2 | .0433965 | .000588  | .5529693 | .0040425 | .0019253 | 65.15846 | .7642480 |
| #3 | .0427472 | .001436  | .5528510 | .0076917 | .0092688 | 65.51156 | .7653531 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075024 | .1484681 | 15.83969 | .1012959 | .0580457 | .1279571 | 161.6156 |
| Stddev | .0000371 | .0001669 | .07734   | .0007214 | .0001673 | .0042594 | .5000    |
| %RSD   | .4950722 | .1124037 | .4882974 | .7121929 | .2882490 | 3.328754 | .3093740 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0074848 | .1484048 | 15.76093 | .1021276 | .0579075 | .1233679 | 162.0510 |
| #2 | .0074774 | .1483422 | 15.91554 | .1008392 | .0579979 | .1317835 | 161.0695 |
| #3 | .0075451 | .1486574 | 15.84261 | .1009209 | .0582317 | .1287199 | 161.7262 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.671168 | 4.454798 | .0674214 | -.007984 | -.332546 | .2032019 | 27.56248 |
| Stddev | .002250  | .043342  | .0003332 | .000246  | .143001  | .0043446 | .26837   |
| %RSD   | .1346483 | .9729190 | .4942275 | 3.078296 | 43.00198 | 2.138076 | .9736952 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.671917 | 4.486670 | .0676221 | -.008206 | -.197556 | .2066478 | 27.73463 |
| #2 | 1.672947 | 4.405447 | .0670368 | -.007720 | -.482398 | .1983215 | 27.69955 |
| #3 | 1.668638 | 4.472279 | .0676053 | -.008027 | -.317685 | .2046365 | 27.25325 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.414775 | .9820155 | .1832986 | .0038078 | 3.838889 | 1.089480 | .0094383 |
| Stddev | .069691  | .0028688 | .0019886 | .0001194 | .004944  | .011364  | .0001289 |
| %RSD   | 2.886008 | .2921368 | 1.084870 | 3.134244 | .1287912 | 1.043076 | 1.365749 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.440748 | .9792318 | .1843608 | .0036731 | 3.833399 | 1.091345 | .0093284 |
| #2 | 2.335827 | .9818522 | .1845304 | .0039003 | 3.842989 | 1.077299 | .0095802 |
| #3 | 2.467748 | .9849625 | .1810045 | .0038500 | 3.840280 | 1.099796 | .0094064 |

Sample Name: K1337-17DLX2      Acquired: 02/13/2019 17:22:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0480227 | .0222007 | .0715510 |
| Stddev | .0010736 | .0017397 | .0002607 |
| %RSD   | 2.235651 | 7.836054 | .3643501 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0492423 | .0233886 | .0712525 |
| #2 | .0472202 | .0202038 | .0716672 |
| #3 | .0476056 | .0230096 | .0717335 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1350.352 | 2425.825 | 28634.63 | 3787.363 | 2933.645 |
| Stddev    | 6.861    | .929     | 143.30   | 9.464    | 6.840    |
| %RSD      | .5080876 | .0383102 | .5004544 | .2498749 | .2331674 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1353.080 | 2426.720 | 28716.70 | 3779.551 | 2935.145 |
| #2 | 1342.546 | 2425.890 | 28469.16 | 3797.887 | 2926.179 |
| #3 | 1355.429 | 2424.865 | 28718.04 | 3784.651 | 2939.610 |

Sample Name: K1339-02DLX2      Acquired: 02/13/2019 17:26:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0437902 | .0000316 | 1.144266 | .0052547 | .0047294 | 40.46217 | .7292603 |
| Stddev | .0031779 | .0011420 | .005189  | .0024020 | .0009233 | .08220   | .0013935 |
| %RSD   | 7.257124 | 3619.182 | .4534621 | 45.71144 | 19.52334 | .2031601 | .1910785 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0474596 | -.000962 | 1.143676 | .0053686 | .0052065 | 40.38627 | .7276638 |
| #2 | .0419299 | -.000223 | 1.139398 | .0075978 | .0053166 | 40.54949 | .7298850 |
| #3 | .0419811 | .001279  | 1.149725 | .0027978 | .0036651 | 40.45077 | .7302321 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0053945 | .3605892 | 10.68021 | .0869449 | .0293377 | .1834762 | 113.6353 |
| Stddev | .0001157 | .0009657 | .04278   | .0014578 | .0001651 | .0039323 | .2454    |
| %RSD   | 2.145101 | .2678006 | .4005923 | 1.676736 | .5626148 | 2.143233 | .2159621 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0052990 | .3598790 | 10.72931 | .0881088 | .0294911 | .1811872 | 113.7600 |
| #2 | .0053614 | .3601997 | 10.65094 | .0874163 | .0293590 | .1880168 | 113.7932 |
| #3 | .0055232 | .3616887 | 10.66037 | .0853097 | .0291630 | .1812246 | 113.3525 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8964817 | 2.775709 | .0496909 | -.005199 | -.416044 | .1902645 | 20.42455 |
| Stddev | .0106813 | .026474  | .0003222 | .000339  | .206171  | .0077467 | .29018   |
| %RSD   | 1.191472 | .9537587 | .6484956 | 6.517248 | 49.55503 | 4.071553 | 1.420760 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9049048 | 2.746086 | .0498441 | -.005424 | -.178086 | .1941004 | 20.71912 |
| #2 | .9000727 | 2.797056 | .0499080 | -.005365 | -.541209 | .1813482 | 20.41558 |
| #3 | .8844676 | 2.783987 | .0493207 | -.004810 | -.528838 | .1953448 | 20.13896 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.358699 | 1.707640 | .1271919 | .0028661 | 3.667554 | 3.233659 | .0039312 |
| Stddev | .020178  | .006279  | .0015938 | .0001965 | .019360  | .020385  | .0003541 |
| %RSD   | 1.485095 | .3676965 | 1.253058 | 6.857630 | .5278685 | .6304104 | 9.008511 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.362617 | 1.713885 | .1286916 | .0027323 | 3.655014 | 3.213558 | .0042339 |
| #2 | 1.376630 | 1.701328 | .1273659 | .0030917 | 3.657797 | 3.233102 | .0040180 |
| #3 | 1.336849 | 1.707707 | .1255183 | .0027742 | 3.689851 | 3.254318 | .0035418 |

Sample Name: K1339-02DLX2      Acquired: 02/13/2019 17:26:44      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0794084 | .0141005 | .0432173 |
| Stddev | .0029477 | .0034786 | .0001713 |
| %RSD   | 3.712134 | 24.67019 | .3964689 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0769157 | .0142957 | .0430907 |
| #2 | .0826619 | .0174774 | .0434123 |
| #3 | .0786474 | .0105284 | .0431490 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1364.611 | 2458.547 | 28881.38 | 3795.049 | 2965.210 |
| Stddev    | 5.855    | 6.320    | 158.68   | 24.291   | 5.108    |
| %RSD      | .4290852 | .2570813 | .5494030 | .6400823 | .1722523 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1359.985 | 2465.282 | 28742.69 | 3820.731 | 2968.076 |
| #2 | 1362.655 | 2452.745 | 28847.04 | 3791.975 | 2968.241 |
| #3 | 1371.195 | 2457.614 | 29054.41 | 3772.441 | 2959.313 |

Sample Name: K1339-08DLX5      Acquired: 02/13/2019 17:34:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFFZ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0074619 | .0013823 | .6476296 | .0041859 | .0029556 | 4.435824 | .0737418 |
| Stddev | .0023839 | .0011593 | .0026939 | .0006556 | .0012134 | .022731  | .0011900 |
| %RSD   | 31.94810 | 83.86577 | .4159620 | 15.66228 | 41.05428 | .5124498 | 1.613689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0058081 | .0002809 | .6449550 | .0044157 | .0039251 | 4.426811 | .0747332 |
| #2 | .0101945 | .0012741 | .6475914 | .0034463 | .0015949 | 4.461680 | .0724222 |
| #3 | .0063830 | .0025919 | .6503424 | .0046957 | .0033469 | 4.418981 | .0740699 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009152 | .0879228 | 5.158433 | .0147282 | .0077097 | .0915283 | 21.98953 |
| Stddev | .0000312 | .0007385 | .022260  | .0006110 | .0001723 | .0066014 | .30023   |
| %RSD   | 3.406773 | .8399435 | .4315306 | 4.148549 | 2.235013 | 7.212377 | 1.365321 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009301 | .0876128 | 5.132873 | .0152521 | .0078749 | .0860996 | 22.21048 |
| #2 | .0009361 | .0873897 | 5.173564 | .0140570 | .0075311 | .0988767 | 22.11041 |
| #3 | .0008794 | .0887657 | 5.168863 | .0148756 | .0077230 | .0896084 | 21.64771 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4125482 | .7933202 | .0158732 | -.000223 | -.362844 | .0179447 | 12.16129 |
| Stddev | .0074888 | .0194117 | .0003422 | .000726  | .259721  | .0013201 | .13518   |
| %RSD   | 1.815264 | 2.446893 | 2.156009 | 325.2892 | 71.57905 | 7.356262 | 1.111555 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4104244 | .8095563 | .0159296 | -.001050 | -.518148 | .0164512 | 12.31716 |
| #2 | .4208695 | .7718192 | .0155063 | .000067  | -.063009 | .0184279 | 12.09061 |
| #3 | .4063505 | .7985853 | .0161838 | .000313  | -.507376 | .0189552 | 12.07612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7511340 | 1.627033 | .0201190 | .0018382 | 5.320438 | .7145689 | .0012684 |
| Stddev | .0416651 | .012623  | .0006849 | .0003121 | .028071  | .0082413 | .0009043 |
| %RSD   | 5.546960 | .7758095 | 3.404366 | 16.97643 | .5276047 | 1.153326 | 71.29268 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7188987 | 1.626661 | .0205052 | .0016479 | 5.326033 | .7052590 | .0016885 |
| #2 | .7981813 | 1.614601 | .0205236 | .0016684 | 5.289991 | .7209307 | .0002305 |
| #3 | .7363221 | 1.639838 | .0193282 | .0021984 | 5.345289 | .7175171 | .0018862 |

Sample Name: K1339-08DLX5      Acquired: 02/13/2019 17:34:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0282400 | .0001659 | .0148928 |
| Stddev | .0019458 | .0025079 | .0000397 |
| %RSD   | 6.890046 | 1511.671 | .2669397 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0267620 | -.002113 | .0148977 |
| #2 | .0275136 | -.000241 | .0148509 |
| #3 | .0304445 | .002852  | .0149300 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1265.570 | 2265.983 | 26674.37 | 3499.467 | 3013.527 |
| Stddev    | 10.267   | 3.100    | 156.60   | 14.771   | 8.711    |
| %RSD      | .8112831 | .1367963 | .5870754 | .4221052 | .2890615 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1253.856 | 2267.882 | 26503.90 | 3505.550 | 3012.944 |
| #2 | 1269.846 | 2267.661 | 26707.38 | 3482.625 | 3022.515 |
| #3 | 1273.009 | 2262.406 | 26811.83 | 3510.225 | 3005.122 |

Sample Name: K1339-03DLX5      Acquired: 02/13/2019 17:30:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGA FY8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0240180 | -.002910 | .9608299 | .0032947 | .0031157 | 11.38134 | .1710112 |
| Stddev | .0018927 | .001623  | .0049801 | .0037426 | .0005753 | .00548   | .0013393 |
| %RSD   | 7.880504 | 55.75999 | .5183116 | 113.5918 | 18.46328 | .0481243 | .7831615 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0261143 | -.001394 | .9605645 | .0067757 | .0024526 | 11.38678 | .1724570 |
| #2 | .0235049 | -.002715 | .9559879 | -.000664 | .0034137 | 11.37583 | .1698130 |
| #3 | .0224347 | -.004622 | .9659375 | .003772  | .0034809 | 11.38140 | .1707636 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017600 | .1086972 | 44.98543 | .0299734 | .0149537 | .0780615 | 39.72880 |
| Stddev | .0000829 | .0002827 | .32618   | .0008320 | .0001233 | .0018154 | .38464   |
| %RSD   | 4.711094 | .2601191 | .7250865 | 2.775635 | .8246433 | 2.325583 | .9681761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018233 | .1083707 | 45.35068 | .0304960 | .0150440 | .0793162 | 39.38991 |
| #2 | .0017906 | .1088591 | 44.88242 | .0304102 | .0150039 | .0759799 | 39.64962 |
| #3 | .0016662 | .1088618 | 44.72319 | .0290141 | .0148132 | .0788886 | 40.14688 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4557368 | 1.847180 | .0265694 | -.001488 | -.375770 | .0549599 | 14.65376 |
| Stddev | .0086889 | .024776  | .0002316 | .000382  | .578555  | .0020909 | .03969   |
| %RSD   | 1.906565 | 1.341279 | .8716355 | 25.68458 | 153.9650 | 3.804501 | .2708454 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4457581 | 1.847778 | .0266691 | -.001065 | -1.02752 | .0571527 | 14.69784 |
| #2 | .4598225 | 1.871651 | .0263047 | -.001810 | -.17695  | .0529885 | 14.62087 |
| #3 | .4616298 | 1.822110 | .0267344 | -.001588 | .07716   | .0547384 | 14.64256 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.354187 | .9608827 | .0409790 | .0014521 | 5.883872 | 1.019939 | -.001902 |
| Stddev | .019006  | .0042741 | .0014497 | .0001228 | .025921  | .005306  | .000249  |
| %RSD   | 1.403529 | .4448108 | 3.537580 | 8.458795 | .4405377 | .5202105 | 13.08234 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.375801 | .9621287 | .0396145 | .0014007 | 5.892091 | 1.019148 | -.001910 |
| #2 | 1.340083 | .9561240 | .0408215 | .0015922 | 5.854839 | 1.015073 | -.001649 |
| #3 | 1.346676 | .9643953 | .0425010 | .0013632 | 5.904687 | 1.025596 | -.002147 |



Sample Name: K1339-03DLX5      Acquired: 02/13/2019 17:30:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFY8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0260644 | .0059510 | .0342911 |
| Stddev | .0015871 | .0014838 | .0003326 |
| %RSD   | 6.088999 | 24.93297 | .9700060 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0258898 | .0075149 | .0341549 |
| #2 | .0245719 | .0045631 | .0346703 |
| #3 | .0277316 | .0057749 | .0340483 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1262.328 | 2268.736 | 26615.55 | 3504.567 | 2936.833 |
| Stddev    | 4.544    | 4.770    | 46.74    | 11.210   | 9.720    |
| %RSD      | .3599930 | .2102578 | .1755994 | .3198777 | .3309742 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1257.440 | 2274.129 | 26592.72 | 3510.000 | 2942.764 |
| #2 | 1263.120 | 2265.068 | 26584.62 | 3512.025 | 2942.120 |
| #3 | 1266.424 | 2267.013 | 26669.32 | 3491.675 | 2925.615 |

Sample Name: K1339-10DLX10      Acquired: 02/13/2019 17:42:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011183 | .0009226 | .7332070 | .0012805 | .0011118 | 2.053689 | .0209836 |
| Stddev | .0006910 | .0024532 | .0021131 | .0010560 | .0024708 | .022983  | .0008766 |
| %RSD   | 61.79393 | 265.9099 | .2881960 | 82.47026 | 222.2322 | 1.119107 | 4.177421 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010924 | .0037293 | .7356039 | .0005805 | -.000197 | 2.063728 | .0200041 |
| #2 | .0004406 | -.000812 | .7324040 | .0024952 | -.000429 | 2.069946 | .0216944 |
| #3 | .0018219 | -.000149 | .7316132 | .0007658 | .003962  | 2.027395 | .0212523 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003040 | .1256666 | 26.72375 | .0060058 | .0023792 | .0465208 | 10.30759 |
| Stddev | .0000665 | .0002142 | .05892   | .0005381 | .0002483 | .0073605 | .07260   |
| %RSD   | 21.85938 | .1704613 | .2204644 | 8.960130 | 10.43491 | 15.82200 | .7043460 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002414 | .1258296 | 26.70597 | .0059566 | .0022858 | .0433287 | 10.22604 |
| #2 | .0003738 | .1254240 | 26.67577 | .0065668 | .0021911 | .0549385 | 10.36519 |
| #3 | .0002968 | .1257462 | 26.78950 | .0054940 | .0026606 | .0412952 | 10.33152 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1124112 | .9109983 | .0073787 | .0003880 | -.319821 | .0131400 | 17.70278 |
| Stddev | .0027241 | .0407311 | .0001931 | .0001661 | .086061  | .0115308 | .21129   |
| %RSD   | 2.423342 | 4.471042 | 2.616377 | 42.79748 | 26.90912 | 87.75310 | 1.193565 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1117272 | .9549551 | .0073367 | .0005674 | -.241978 | .0212378 | 17.49409 |
| #2 | .1100942 | .8745328 | .0072101 | .0002397 | -.412239 | .0182441 | 17.91658 |
| #3 | .1154121 | .9035071 | .0075893 | .0003570 | -.305245 | -.000062 | 17.69766 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1092360 | .4506553 | .0053370 | .0003704 | 6.282216 | .2797589 | -.000220 |
| Stddev | .0674091 | .0012879 | .0007528 | .0003327 | .008185  | .0016169 | .001486  |
| %RSD   | 61.70965 | .2857718 | 14.10549 | 89.82373 | .1302828 | .5779636 | 675.4877 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1017102 | .4513589 | .0060341 | .0006433 | 6.281431 | .2800155 | .001416  |
| #2 | .0459055 | .4491689 | .0045387 | -.000000 | 6.274452 | .2812322 | -.000591 |
| #3 | .1800922 | .4514380 | .0054380 | .000468  | 6.290765 | .2780291 | -.001485 |

Sample Name: K1339-10DLX10      Acquired: 02/13/2019 17:42:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0136877 | -.000049 | .0155641 |
| Stddev | .0011096 | .001198  | .0000710 |
| %RSD   | 8.106393 | 2458.354 | .4558354 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0146517 | -.000864 | .0156227 |
| #2 | .0139364 | -.000609 | .0154852 |
| #3 | .0124748 | .001327  | .0155844 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1239.864 | 2233.037 | 26191.38 | 3407.142 | 2958.283 |
| Stddev    | 5.335    | 5.091    | 90.33    | 11.922   | 8.333    |
| %RSD      | .4303022 | .2279740 | .3448876 | .3499019 | .2816700 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1241.890 | 2228.170 | 26220.53 | 3395.875 | 2950.122 |
| #2 | 1243.889 | 2238.325 | 26263.53 | 3419.625 | 2957.949 |
| #3 | 1233.813 | 2232.616 | 26090.07 | 3405.925 | 2966.777 |

Sample Name: K1339-09DLX2      Acquired: 02/13/2019 17:38:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0273706 | .0001665 | .8031315 | .0024870 | .0025735 | 28.26691 | .5105739 |
| Stddev | .0034781 | .0008447 | .0032580 | .0016705 | .0011601 | .08721   | .0009906 |
| %RSD   | 12.70737 | 507.2448 | .4056577 | 67.16988 | 45.07697 | .3085384 | .1940236 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0283650 | -.000724 | .8002623 | .0031244 | .0027896 | 28.31483 | .5104126 |
| #2 | .0302432 | .000956  | .8024589 | .0037449 | .0013206 | 28.16625 | .5096738 |
| #3 | .0235036 | .000268  | .8066733 | .0005916 | .0036104 | 28.31967 | .5116352 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034001 | .2152443 | 14.20093 | .0460524 | .0480188 | .0984291 | 63.55852 |
| Stddev | .0000672 | .0005525 | .06077   | .0002715 | .0003544 | .0045038 | .24816   |
| %RSD   | 1.974943 | .2566635 | .4279589 | .5894612 | .7379549 | 4.575681 | .3904451 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0034119 | .2148840 | 14.22153 | .0458769 | .0479193 | .0948054 | 63.67060 |
| #2 | .0033279 | .2149686 | 14.13253 | .0459152 | .0484122 | .1034714 | 63.27409 |
| #3 | .0034606 | .2158804 | 14.24872 | .0463651 | .0477248 | .0970105 | 63.73088 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.237686 | 2.687940 | .0402924 | -.002119 | -.396314 | .1297981 | 22.76434 |
| Stddev | .015659  | .046874  | .0006662 | .000139  | .262366  | .0041621 | .11042   |
| %RSD   | .4836527 | 1.743877 | 1.653381 | 6.583074 | 66.20144 | 3.206608 | .4850745 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.245443 | 2.670637 | .0395986 | -.002177 | -.232726 | .1285065 | 22.73296 |
| #2 | 3.219662 | 2.741007 | .0409271 | -.001959 | -.257280 | .1344528 | 22.67300 |
| #3 | 3.247952 | 2.652177 | .0403515 | -.002219 | -.698936 | .1264348 | 22.88706 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.309563 | 1.132664 | .0695953 | .0017601 | 4.071189 | 1.318469 | .0110426 |
| Stddev | .109875  | .005771  | .0007750 | .0002112 | .012061  | .005920  | .0008081 |
| %RSD   | 8.390211 | .5094646 | 1.113633 | 11.99628 | .2962469 | .4490287 | 7.317667 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.223641 | 1.126114 | .0694011 | .0017240 | 4.073213 | 1.324278 | .0119752 |
| #2 | 1.271680 | 1.136999 | .0689358 | .0019870 | 4.058244 | 1.312443 | .0105502 |
| #3 | 1.433367 | 1.134879 | .0704489 | .0015694 | 4.082109 | 1.318685 | .0106024 |

Sample Name: K1339-09DLX2      Acquired: 02/13/2019 17:38:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0585781 | .0110472 | .0296135 |
| Stddev | .0020874 | .0018171 | .0000853 |
| %RSD   | 3.563445 | 16.44896 | .2879499 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0589501 | .0103297 | .0296849 |
| #2 | .0563297 | .0131135 | .0295191 |
| #3 | .0604545 | .0096983 | .0296364 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1324.277 | 2376.505 | 28061.16 | 3687.691 | 2978.647 |
| Stddev    | 5.323    | 18.363   | 113.73   | 10.898   | 11.156   |
| %RSD      | .4019666 | .7726720 | .4052935 | .2955323 | .3745180 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1326.921 | 2379.820 | 27971.89 | 3677.293 | 2979.864 |
| #2 | 1318.150 | 2392.985 | 28022.39 | 3699.029 | 2989.144 |
| #3 | 1327.761 | 2356.711 | 28189.21 | 3686.751 | 2966.933 |

Sample Name: CCV009      Acquired: 02/13/2019 17:50:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV009      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.865837 | 4.907339 | 23.26310 | 5.343332 | 5.387907 | 385.6669 | 9.551333 |
| Stddev | .030341  | .024695  | .05910   | .044289  | .049279  | 2.5801   | .045719  |
| %RSD   | .6235510 | .5032352 | .2540569 | .8288632 | .9146213 | .6689896 | .4786690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.850228 | 4.885735 | 23.22406 | 5.308487 | 5.347198 | 388.5655 | 9.591784 |
| #2 | 4.846479 | 4.902021 | 23.23415 | 5.328336 | 5.373829 | 383.6214 | 9.501730 |
| #3 | 4.900805 | 4.934260 | 23.33110 | 5.393171 | 5.442692 | 384.8140 | 9.560485 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5022505 | 2.476056 | 364.2774 | 15.07875 | 2.445942 | 14.74247 | 414.2813 |
| Stddev | .0023153 | .009104  | .9035    | .03305   | .008897  | .05495   | 5.0625   |
| %RSD   | .4609941 | .3676972 | .2480236 | .2192029 | .3637563 | .3727579 | 1.221995 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5049018 | 2.469781 | 364.4199 | 15.09892 | 2.439696 | 14.80591 | 420.0734 |
| #2 | .5012231 | 2.471888 | 363.3112 | 15.09672 | 2.442001 | 14.70957 | 412.0686 |
| #3 | .5006267 | 2.486498 | 365.1013 | 15.04060 | 2.456129 | 14.71192 | 410.7017 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.92863 | 406.3444 | 2.472208 | 1.180300 | 397.3398 | 2.457107 | 15.40037 |
| Stddev | .16406   | 4.8312   | .006275  | .002239  | 4.1961   | .017587  | .03396   |
| %RSD   | 1.177880 | 1.188954 | .2538363 | .1896578 | 1.056055 | .7157417 | .2205024 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.11360 | 411.9226 | 2.466052 | 1.181773 | 402.0899 | 2.476765 | 15.42647 |
| #2 | 13.87161 | 403.6216 | 2.471976 | 1.181403 | 394.1371 | 2.442868 | 15.41267 |
| #3 | 13.80069 | 403.4892 | 2.478596 | 1.177724 | 395.7924 | 2.451687 | 15.36198 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 148.9660 | 5.013378 | 4.969887 | 5.362488 | 4.663494 | 4.805704 | 4.973575 |
| Stddev | .6986    | .022136  | .020959  | .034484  | .030880  | .011100  | .020233  |
| %RSD   | .4689886 | .4415372 | .4217171 | .6430513 | .6621538 | .2309663 | .4068087 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 149.7650 | 5.009732 | 4.992858 | 5.334043 | 4.646351 | 4.815489 | 4.960868 |
| #2 | 148.4697 | 4.993291 | 4.965000 | 5.352581 | 4.644988 | 4.807980 | 4.962949 |
| #3 | 148.6634 | 5.037110 | 4.951804 | 5.400841 | 4.699141 | 4.793643 | 4.996907 |

Sample Name: CCV009      Acquired: 02/13/2019 17:50:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCV009      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.608867 | 4.991658 | 4.831440 |
| Stddev | .028829  | .032672  | .014164  |
| %RSD   | .6255109 | .6545311 | .2931557 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.641883 | 5.024306 | 4.846474 |
| #2 | 4.588676 | 4.958962 | 4.818346 |
| #3 | 4.596041 | 4.991707 | 4.829499 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1032.406 | 1862.017 | 24008.34 | 3199.924 | 2372.684 |
| Stddev    | 2.152    | 4.878    | 119.30   | 17.304   | 1.139    |
| %RSD      | .2084144 | .2619911 | .4969294 | .5407745 | .0480048 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1034.691 | 1866.294 | 23932.67 | 3182.833 | 2372.414 |
| #2 | 1030.418 | 1863.052 | 23946.48 | 3199.505 | 2371.705 |
| #3 | 1032.108 | 1856.704 | 24145.87 | 3217.434 | 2373.934 |

Sample Name: K1319-12DLX5      Acquired: 02/13/2019 17:46:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFF23      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0053966 | .0013177 | .7692844 | .0037841 | .0032657 | 9.243537 | .2329347 |
| Stddev | .0039715 | .0013096 | .0036656 | .0016749 | .0006064 | .026733  | .0015206 |
| %RSD   | 73.59340 | 99.37922 | .4764947 | 44.26101 | 18.56991 | .2892081 | .6528081 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0088993 | .0022774 | .7710984 | .0018716 | .0029421 | 9.221336 | .2311854 |
| #2 | .0062085 | .0018500 | .7650655 | .0049894 | .0039653 | 9.273212 | .2339410 |
| #3 | .0010818 | -.000174 | .7716893 | .0044913 | .0028897 | 9.236064 | .2336775 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014581 | .0672669 | 3.232741 | .0198963 | .0143914 | .0248566 | 31.68499 |
| Stddev | .0000707 | .0004414 | .017553  | .0004018 | .0003077 | .0030887 | .20882   |
| %RSD   | 4.848280 | .6561455 | .5429680 | 2.019604 | 2.138245 | 12.42596 | .6590431 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013841 | .0668562 | 3.232712 | .0195226 | .0142525 | .0259997 | 31.90671 |
| #2 | .0014654 | .0672110 | 3.250308 | .0203214 | .0141777 | .0272107 | 31.65621 |
| #3 | .0015249 | .0677336 | 3.215202 | .0198450 | .0147441 | .0213593 | 31.49206 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3765919 | .5980644 | .0259599 | -.000625 | -.647989 | .0722560 | 10.63952 |
| Stddev | .0033852 | .0995038 | .0003804 | .000121  | .203301  | .0080674 | .13260   |
| %RSD   | .8989103 | 16.63763 | 1.465302 | 19.42562 | 31.37410 | 11.16500 | 1.246254 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3790385 | .7049992 | .0262388 | -.000486 | -.442690 | .0629455 | 10.65804 |
| #2 | .3780087 | .5809937 | .0261144 | -.000678 | -.849231 | .0771735 | 10.49864 |
| #3 | .3727285 | .5082004 | .0255266 | -.000711 | -.652048 | .0766491 | 10.76188 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1989234 | .2484568 | .0300624 | .0007092 | .3248635 | 3.491025 | -.000672 |
| Stddev | .0785045 | .0020972 | .0010415 | .0000634 | .0029107 | .006672  | .000463  |
| %RSD   | 39.46470 | .8441075 | 3.464312 | 8.941495 | .8959862 | .1911128 | 68.92672 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1406407 | .2484331 | .0301466 | .0007386 | .3245273 | 3.498572 | -.001032 |
| #2 | .1679374 | .2463714 | .0310592 | .0006365 | .3221354 | 3.485913 | -.000833 |
| #3 | .2881922 | .2505657 | .0289814 | .0007526 | .3279277 | 3.488589 | -.000150 |



Sample Name: K1319-12DLX5      Acquired: 02/13/2019 17:46:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAF23      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0278245 | .0034940 | .0086595 |
| Stddev | .0010512 | .0003759 | .0001170 |
| %RSD   | 3.777941 | 10.75817 | 1.351609 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0267664 | .0036708 | .0086032 |
| #2 | .0288686 | .0030623 | .0085811 |
| #3 | .0278385 | .0037489 | .0087940 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1264.592 | 2289.491 | 26680.34 | 3458.942 | 2974.722 |
| Stddev    | 9.977    | 5.513    | 50.09    | 3.083    | 9.269    |
| %RSD      | .7889643 | .2408159 | .1877423 | .0891269 | .3116023 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1271.717 | 2288.225 | 26627.23 | 3457.075 | 2967.895 |
| #2 | 1268.868 | 2295.527 | 26726.73 | 3457.250 | 2985.275 |
| #3 | 1253.189 | 2284.721 | 26687.06 | 3462.500 | 2970.997 |

Sample Name: CCB009      Acquired: 02/13/2019 17:54:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001879 | .0007397 | .0010496 | .0043078 | .0004417 | -.008106 | -.003445 |
| Stddev | .002599  | .0009878 | .0008781 | .0028029 | .0016275 | .005229  | .001073  |
| %RSD   | 138.3720 | 133.5323 | 83.66377 | 65.06618 | 368.4714 | 64.50764 | 31.13876 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004694 | .0018656 | .0015568 | .0035847 | .0018352 | -.013464 | -.002244 |
| #2 | -.001371 | .0000185 | .0015563 | .0074014 | -.001347 | -.003015 | -.004307 |
| #3 | .000430  | .0003351 | .0000356 | .0019372 | .000837  | -.007841 | -.003786 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000005 | .0000682 | -.019630 | .0001703 | -.000127 | .0022750 | .0090374 |
| Stddev | .000041  | .0000592 | .015607  | .0004185 | .000179  | .0023566 | .0145427 |
| %RSD   | 810.6472 | 86.81204 | 79.50535 | 245.7969 | 140.7497 | 103.5879 | 160.9165 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000013 | -.000000 | -.003397 | .0001572 | -.000111 | .0004239 | -.007630 |
| #2 | .000039  | .000104  | -.020967 | -.000242 | .000043  | .0049278 | .019143  |
| #3 | -.000042 | .000101  | -.034525 | .000595  | -.000314 | .0014731 | .015599  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004397 | .0444788 | -.000384 | .0007801 | -.252333 | .0044359 | -.006627 |
| Stddev | .0006974 | .0554207 | .000335  | .0001295 | .100937  | .0039895 | .008694  |
| %RSD   | 158.5893 | 124.6003 | 87.23090 | 16.59709 | 40.00158 | 89.93592 | 131.1867 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010438 | .0692641 | -.000728 | .0006477 | -.337856 | .0038180 | -.015151 |
| #2 | -.000323 | -.019009 | -.000060 | .0009064 | -.278146 | .0007914 | -.006956 |
| #3 | .000599  | .083181  | -.000363 | .0007860 | -.140996 | .0086982 | .002227  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.133130 | -.006144 | .0028820 | .0002729 | -.008728 | -.002562 | -.001599 |
| Stddev | .050415  | .001794  | .0007676 | .0001001 | .001150  | .000452  | .000373  |
| %RSD   | 37.86908 | 29.19320 | 26.63420 | 36.68399 | 13.18011 | 17.63178 | 23.31141 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.104000 | -.005437 | .0037650 | .0001664 | -.008580 | -.002046 | -.001193 |
| #2 | -.104045 | -.008184 | .0023734 | .0002874 | -.007658 | -.002755 | -.001680 |
| #3 | -.191344 | -.004812 | .0025077 | .0003650 | -.009945 | -.002886 | -.001925 |

Sample Name: CCB009      Acquired: 02/13/2019 17:54:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCB009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003516 | -.000633 | -.000118 |
| Stddev | .0009612 | .001681  | .000126  |
| %RSD   | 273.3767 | 265.4005 | 107.1307 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000730 | .000549  | -.000056 |
| #2 | .001107  | -.002558 | -.000034 |
| #3 | .000678  | .000108  | -.000263 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1214.334 | 2208.073 | 25496.61 | 3334.017 | 2954.256 |
| Stddev    | .690     | 10.307   | 45.28    | 41.482   | 17.100   |
| %RSD      | .0568313 | .4667951 | .1776072 | 1.244193 | .5788115 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1214.840 | 2200.891 | 25501.82 | 3299.050 | 2944.731 |
| #2 | 1213.548 | 2219.883 | 25448.95 | 3323.150 | 2973.997 |
| #3 | 1214.614 | 2203.445 | 25539.07 | 3379.850 | 2944.040 |

Sample Name: K1339-11DLX5      Acquired: 02/13/2019 17:58:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0052454 | -.001923 | 1.072990 | .0034340 | .0022609 | 7.305701 | .1368025 |
| Stddev | .0043605 | .001480  | .005362  | .0021379 | .0018820 | .033437  | .0003555 |
| %RSD   | 83.12941 | 76.96514 | .4997243 | 62.25782 | 83.23786 | .4576802 | .2598663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0102466 | -.000406 | 1.072686 | .0041488 | .0014463 | 7.280121 | .1370888 |
| #2 | .0032496 | -.002000 | 1.067787 | .0010302 | .0044130 | 7.343536 | .1364046 |
| #3 | .0022400 | -.003364 | 1.078498 | .0051230 | .0009235 | 7.293445 | .1369142 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010182 | .0745432 | 3.421184 | .0196075 | .0028735 | .0557464 | 17.78949 |
| Stddev | .0000326 | .0002893 | .035691  | .0009099 | .0003757 | .0021878 | .17995   |
| %RSD   | 3.198793 | .3881370 | 1.043241 | 4.640794 | 13.07441 | 3.924499 | 1.011569 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010527 | .0744155 | 3.398618 | .0202060 | .0027255 | .0560068 | 17.64586 |
| #2 | .0009880 | .0743397 | 3.462333 | .0200561 | .0025943 | .0534401 | 17.99134 |
| #3 | .0010138 | .0748744 | 3.402602 | .0185603 | .0033006 | .0577923 | 17.73126 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0573303 | .7535215 | .0165096 | -.000041 | -.419043 | .0351671 | 13.60785 |
| Stddev | .0007492 | .0386418 | .0004363 | .000255  | .227433  | .0054640 | .09955   |
| %RSD   | 1.306799 | 5.128155 | 2.642711 | 619.2246 | 54.27439 | 15.53721 | .7315851 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0573173 | .7123726 | .0170134 | -.000327 | -.195567 | .0291349 | 13.70311 |
| #2 | .0580860 | .7591541 | .0162524 | .000162  | -.411326 | .0365818 | 13.61596 |
| #3 | .0565877 | .7890378 | .0162631 | .000042  | -.650236 | .0397846 | 13.50450 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3604946 | .3757839 | .0193657 | .0006875 | 1.235780 | .8939145 | .0003295 |
| Stddev | .0350278 | .0022891 | .0002359 | .0003084 | .005083  | .0111788 | .0010568 |
| %RSD   | 9.716609 | .6091494 | 1.218408 | 44.85833 | .4112995 | 1.250544 | 320.7301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3443989 | .3738639 | .0196239 | .0003378 | 1.241601 | .8812120 | -.000804 |
| #2 | .4006772 | .3751705 | .0193118 | .0008042 | 1.232218 | .8982785 | .001288  |
| #3 | .3364075 | .3783171 | .0191613 | .0009205 | 1.233522 | .9022531 | .000504  |

Sample Name: K1339-11DLX5      Acquired: 02/13/2019 17:58:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0438694 | .0030917 | .0091845 |
| Stddev | .0038462 | .0008483 | .0000851 |
| %RSD   | 8.767351 | 27.43700 | .9264577 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0418038 | .0022281 | .0092102 |
| #2 | .0414973 | .0039238 | .0090895 |
| #3 | .0483070 | .0031231 | .0092538 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1254.320 | 2265.200 | 26381.58 | 3472.783 | 2958.319 |
| Stddev    | 7.208    | 8.898    | 99.81    | 33.902   | 7.277    |
| %RSD      | .5746393 | .3928060 | .3783343 | .9762138 | .2459830 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1262.138 | 2274.256 | 26272.16 | 3511.525 | 2965.569 |
| #2 | 1252.883 | 2256.469 | 26467.65 | 3458.275 | 2958.373 |
| #3 | 1247.938 | 2264.877 | 26404.93 | 3448.550 | 2951.016 |

Sample Name: K1339-14DLX2      Acquired: 02/13/2019 18:06:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0425941 | .0004134 | .5242873 | .0047966 | .0044690 | 52.01944 | .3640581 |
| Stddev | .0038715 | .0020901 | .0011802 | .0020669 | .0015722 | .26141   | .0014597 |
| %RSD   | 9.089234 | 505.6228 | .2251051 | 43.09121 | 35.17954 | .5025306 | .4009600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0384733 | -.000206 | .5254169 | .0053067 | .0046952 | 51.91948 | .3642979 |
| #2 | .0461554 | -.001297 | .5243829 | .0025224 | .0027960 | 52.31608 | .3653830 |
| #3 | .0431535 | .002743  | .5230623 | .0065607 | .0059159 | 51.82275 | .3624933 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0054795 | .1348920 | 13.76364 | .0787435 | .0637234 | .0821366 | 119.7364 |
| Stddev | .0000049 | .0002564 | .03321   | .0008395 | .0004928 | .0046007 | .8667    |
| %RSD   | .0888949 | .1900539 | .2412772 | 1.066052 | .7733478 | 5.601287 | .7238369 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0054826 | .1348779 | 13.74364 | .0777752 | .0638120 | .0816972 | 118.9550 |
| #2 | .0054739 | .1346430 | 13.80197 | .0792675 | .0631923 | .0869413 | 120.6686 |
| #3 | .0054820 | .1351551 | 13.74530 | .0791876 | .0641659 | .0777714 | 119.5856 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.733558 | 5.274011 | .0508089 | -.005599 | -.048331 | .1986502 | 16.85849 |
| Stddev | .032271  | .032804  | .0003814 | .000137  | .188385  | .0039277 | .15681   |
| %RSD   | 1.180564 | .6219961 | .7506563 | 2.454062 | 389.7774 | 1.977214 | .9301592 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.701886 | 5.236275 | .0506126 | -.005676 | -.254435 | .1941284 | 16.71011 |
| #2 | 2.766397 | 5.295728 | .0505656 | -.005440 | .114969  | .2006071 | 16.84280 |
| #3 | 2.732391 | 5.290029 | .0512485 | -.005680 | -.005528 | .2012150 | 17.02255 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.432481 | .8201008 | .1380447 | .0037189 | 3.758040 | 1.893397 | .0045037 |
| Stddev | .055386  | .0032465 | .0014107 | .0005696 | .014863  | .021728  | .0005271 |
| %RSD   | 2.276919 | .3958613 | 1.021911 | 15.31738 | .3955103 | 1.147586 | 11.70248 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.403064 | .8200047 | .1364223 | .0033214 | 3.765051 | 1.871404 | .0042906 |
| #2 | 2.496368 | .8169034 | .1387299 | .0034637 | 3.740968 | 1.914850 | .0041167 |
| #3 | 2.398010 | .8233942 | .1389819 | .0043715 | 3.768101 | 1.893936 | .0051040 |

Sample Name: K1339-14DLX2      Acquired: 02/13/2019 18:06:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1073864 | .0179549 | .0440135 |
| Stddev | .0018226 | .0017976 | .0001876 |
| %RSD   | 1.697226 | 10.01161 | .4262626 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1077237 | .0194834 | .0441820 |
| #2 | .1054187 | .0159745 | .0440470 |
| #3 | .1090167 | .0184067 | .0438113 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1307.636 | 2364.442 | 27645.34 | 3633.977 | 2934.920 |
| Stddev    | 5.021    | 10.976   | 96.25    | 26.837   | 5.331    |
| %RSD      | .3840092 | .4642292 | .3481772 | .7385023 | .1816316 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1302.439 | 2367.687 | 27576.32 | 3638.230 | 2938.364 |
| #2 | 1312.462 | 2373.431 | 27755.30 | 3605.267 | 2937.615 |
| #3 | 1308.006 | 2352.209 | 27604.40 | 3658.433 | 2928.779 |

Sample Name: K1339-13DLX2      Acquired: 02/13/2019 18:02:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAFZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0190899 | .0016248 | .2818626 | .0039074 | .0036878 | 24.50570 | .1613191 |
| Stddev | .0013458 | .0008481 | .0025242 | .0011257 | .0006022 | .07738   | .0007448 |
| %RSD   | 7.049834 | 52.19634 | .8955290 | 28.81058 | 16.33030 | .3157502 | .4616868 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0206350 | .0008445 | .2840239 | .0048717 | .0039601 | 24.41693 | .1617516 |
| #2 | .0184614 | .0015024 | .2790884 | .0041802 | .0029975 | 24.54129 | .1604591 |
| #3 | .0181734 | .0025274 | .2824756 | .0026703 | .0041057 | 24.55888 | .1617466 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024787 | .0650682 | 6.385975 | .0525593 | .0287307 | .0448753 | 55.08446 |
| Stddev | .0001434 | .0001209 | .027921  | .0006019 | .0001542 | .0029937 | .12205   |
| %RSD   | 5.787337 | .1857528 | .4372255 | 1.145173 | .5368063 | 6.671252 | .2215685 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023851 | .0649885 | 6.353828 | .0520482 | .0286464 | .0426513 | 55.01455 |
| #2 | .0026439 | .0652073 | 6.404173 | .0532227 | .0286370 | .0482792 | 55.01345 |
| #3 | .0024072 | .0650089 | 6.399924 | .0524070 | .0289087 | .0436955 | 55.22539 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8897286 | 2.608773 | .0247739 | -.002089 | -.526331 | .1019778 | 9.625292 |
| Stddev | .0048904 | .090694  | .0004761 | .000201  | .160034  | .0074187 | .063446  |
| %RSD   | .5496553 | 3.476498 | 1.921661 | 9.614674 | 30.40569 | 7.274842 | .6591614 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8845158 | 2.712976 | .0253183 | -.002224 | -.611415 | .0935853 | 9.688282 |
| #2 | .8904544 | 2.547631 | .0245681 | -.001858 | -.625850 | .1076613 | 9.626194 |
| #3 | .8942155 | 2.565712 | .0244354 | -.002184 | -.341727 | .1046868 | 9.561400 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9766374 | .3881533 | .0603464 | .0019731 | 2.226923 | .5772854 | .0010286 |
| Stddev | .0652373 | .0022760 | .0002322 | .0002636 | .003494  | .0050442 | .0008546 |
| %RSD   | 6.679784 | .5863616 | .3848406 | 13.36213 | .1569114 | .8737830 | 83.08048 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.049098 | .3907782 | .0605830 | .0019775 | 2.224035 | .5714780 | .0020090 |
| #2 | .958241  | .3869532 | .0603374 | .0017074 | 2.225926 | .5798031 | .0006355 |
| #3 | .922574  | .3867286 | .0601188 | .0022346 | 2.230807 | .5805752 | .0004413 |



Sample Name: K1339-13DLX2      Acquired: 02/13/2019 18:02:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAFZ6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0531018 | .0082026 | .0194716 |
| Stddev | .0022609 | .0010338 | .0001046 |
| %RSD   | 4.257656 | 12.60371 | .5372441 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0522591 | .0079763 | .0195888 |
| #2 | .0556629 | .0093309 | .0194381 |
| #3 | .0513832 | .0073007 | .0193878 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1270.130 | 2290.360 | 26798.22 | 3511.883 | 2980.700 |
| Stddev    | 6.326    | 2.391    | 122.06   | 13.361   | 2.029    |
| %RSD      | .4980945 | .1043935 | .4554672 | .3804406 | .0680837 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1274.165 | 2290.498 | 26806.85 | 3525.850 | 2981.508 |
| #2 | 1273.387 | 2292.680 | 26915.74 | 3510.575 | 2982.202 |
| #3 | 1262.839 | 2287.903 | 26672.08 | 3499.225 | 2978.392 |

Sample Name: K1339-19DLX2      Acquired: 02/13/2019 18:11:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0504842 | .0018315 | .3551503 | .0067920 | .0066865 | 29.45591 | .4126329 |
| Stddev | .0056194 | .0041713 | .0031366 | .0017123 | .0009379 | .16060   | .0006339 |
| %RSD   | 11.13091 | 227.7574 | .8831629 | 25.21074 | 14.02734 | .5452071 | .1536354 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0499487 | .0010424 | .3537216 | .0060674 | .0074640 | 29.63654 | .4131753 |
| #2 | .0563522 | -.001889 | .3587469 | .0055611 | .0056448 | 29.32928 | .4127872 |
| #3 | .0451518 | .006341  | .3529825 | .0087475 | .0069506 | 29.40190 | .4119360 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0050300 | .2314647 | 4.912232 | .1757157 | .0665037 | .1434447 | 126.3767 |
| Stddev | .0000393 | .0003719 | .026612  | .0010129 | .0002223 | .0011409 | .4018    |
| %RSD   | .7808552 | .1606849 | .5417522 | .5764222 | .3342071 | .7953783 | .3179736 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0049890 | .2314290 | 4.939591 | .1746015 | .0663937 | .1442947 | 126.8142 |
| #2 | .0050337 | .2311119 | 4.910668 | .1759649 | .0667595 | .1421480 | 126.0240 |
| #3 | .0050672 | .2318532 | 4.886436 | .1765807 | .0663579 | .1438915 | 126.2919 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.538893 | 2.428722 | .0410414 | -.005545 | -.393645 | .2200747 | 15.86043 |
| Stddev | .022241  | .066640  | .0001448 | .000256  | .308385  | .0076530 | .03757   |
| %RSD   | .8760090 | 2.743836 | .3527789 | 4.608025 | 78.34094 | 3.477435 | .2368493 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.552360 | 2.358527 | .0409525 | -.005341 | -.465837 | .2285695 | 15.89243 |
| #2 | 2.513222 | 2.491122 | .0412085 | -.005463 | -.659531 | .2137185 | 15.81907 |
| #3 | 2.551097 | 2.436515 | .0409633 | -.005831 | -.055568 | .2179363 | 15.86980 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.282049 | 1.122791 | .1439631 | .0042379 | 3.224080 | 1.516259 | .0035997 |
| Stddev | .063284  | .004760  | .0032711 | .0002787 | .004024  | .006233  | .0007582 |
| %RSD   | 4.936147 | .4239298 | 2.272199 | 6.575618 | .1248009 | .4110663 | 21.06237 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.298581 | 1.125429 | .1476552 | .0039599 | 3.226306 | 1.511332 | .0039959 |
| #2 | 1.335425 | 1.125648 | .1414270 | .0042366 | 3.219435 | 1.523266 | .0040777 |
| #3 | 1.212139 | 1.117296 | .1428070 | .0045173 | 3.226498 | 1.514179 | .0027255 |

Sample Name: K1339-19DLX2      Acquired: 02/13/2019 18:11:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG02      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1553940 | .0079140 | .0281254 |
| Stddev | .0007667 | .0004384 | .0001646 |
| %RSD   | .4933716 | 5.539618 | .5851693 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1562553 | .0079923 | .0282956 |
| #2 | .1551406 | .0083080 | .0279670 |
| #3 | .1547861 | .0074417 | .0281135 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1306.171 | 2368.270 | 27580.94 | 3606.125 | 2993.751 |
| Stddev    | 8.203    | 9.984    | 160.85   | 6.110    | 8.792    |
| %RSD      | .6279913 | .4215675 | .5831918 | .1694363 | .2936858 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1311.758 | 2361.311 | 27502.09 | 3610.850 | 2986.014 |
| #2 | 1310.000 | 2363.790 | 27766.00 | 3599.225 | 2991.928 |
| #3 | 1296.754 | 2379.710 | 27474.73 | 3608.300 | 3003.312 |

Sample Name: K1339-20DLX5      Acquired: 02/13/2019 18:15:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0149806 | .0019395 | 1.562666 | .0018998 | .0019928 | 8.208436 | .1457505 |
| Stddev | .0059978 | .0016057 | .008126  | .0024876 | .0006650 | .028749  | .0005720 |
| %RSD   | 40.03678 | 82.78676 | .5200303 | 130.9445 | 33.37137 | .3502374 | .3924329 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0155210 | .0034566 | 1.555461 | -.000894 | .0015937 | 8.177522 | .1463301 |
| #2 | .0206899 | .0021039 | 1.561062 | .003875  | .0027605 | 8.213416 | .1451865 |
| #3 | .0087310 | .0002580 | 1.571475 | .002719  | .0016242 | 8.234369 | .1457347 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013818 | .0857895 | 16.31276 | .0467100 | .0143272 | .0630753 | 38.44099 |
| Stddev | .0000069 | .0002816 | .05964   | .0004089 | .0001498 | .0015489 | .22031   |
| %RSD   | .4984889 | .3282893 | .3655822 | .8753345 | 1.045643 | 2.455706 | .5731205 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013878 | .0856092 | 16.30206 | .0463920 | .0144874 | .0615148 | 38.68012 |
| #2 | .0013833 | .0856453 | 16.25920 | .0471712 | .0141906 | .0630985 | 38.24626 |
| #3 | .0013743 | .0861141 | 16.37702 | .0465668 | .0143036 | .0646125 | 38.39658 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5197958 | 1.557363 | .0213896 | -.001019 | -.714022 | .0420133 | 12.28171 |
| Stddev | .0034834 | .053266  | .0005914 | .000294  | .283395  | .0087441 | .16762   |
| %RSD   | .6701418 | 3.420250 | 2.765071 | 28.85772 | 39.68999 | 20.81273 | 1.364827 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5226940 | 1.611119 | .0209849 | -.001229 | -.839118 | .0519859 | 12.46307 |
| #2 | .5207622 | 1.504602 | .0211157 | -.001145 | -.389604 | .0356600 | 12.13248 |
| #3 | .5159313 | 1.556369 | .0220684 | -.000683 | -.913344 | .0383938 | 12.24956 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3478953 | .4629044 | .0396306 | .0020274 | 4.256753 | .8688080 | .0009383 |
| Stddev | .0225061 | .0049741 | .0010890 | .0001605 | .007225  | .0083214 | .0003398 |
| %RSD   | 6.469220 | 1.074550 | 2.747790 | 7.916032 | .1697335 | .9577938 | 36.21990 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3733939 | .4590217 | .0408693 | .0020747 | 4.248875 | .8598387 | .0009743 |
| #2 | .3394922 | .4611803 | .0388240 | .0021589 | 4.263069 | .8703081 | .0012587 |
| #3 | .3307997 | .4685112 | .0391985 | .0018486 | 4.258316 | .8762774 | .0005819 |

Sample Name: K1339-20DLX5      Acquired: 02/13/2019 18:15:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0370692 | .0019370 | .0175921 |
| Stddev | .0025248 | .0011978 | .0002270 |
| %RSD   | 6.810925 | 61.83574 | 1.290524 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0342277 | .0029589 | .0173565 |
| #2 | .0390545 | .0022332 | .0176103 |
| #3 | .0379255 | .0006189 | .0178095 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1254.714 | 2255.119 | 26459.50 | 3448.667 | 2966.168 |
| Stddev    | 7.586    | .932     | 99.54    | 21.976   | 1.968    |
| %RSD      | .6046178 | .0413099 | .3761881 | .6372404 | .0663643 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1246.391 | 2254.131 | 26377.98 | 3473.250 | 2964.229 |
| #2 | 1261.240 | 2255.245 | 26430.09 | 3441.825 | 2968.165 |
| #3 | 1256.512 | 2255.981 | 26570.43 | 3430.925 | 2966.111 |

Sample Name: K1339-21DLX2      Acquired: 02/13/2019 18:19:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0719473 | .0008460 | 1.288353 | .0054401 | .0063263 | 26.66719 | .5485247 |
| Stddev | .0024734 | .0027929 | .005310  | .0016086 | .0013114 | .26813   | .0046328 |
| %RSD   | 3.437804 | 330.1391 | .4121821 | 29.56990 | 20.73020 | 1.005459 | .8445911 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0747987 | .0039242 | 1.294112 | .0065567 | .0053102 | 26.91335 | .5507825 |
| #2 | .0703815 | -.001526 | 1.283650 | .0035963 | .0058619 | 26.38148 | .5431959 |
| #3 | .0706616 | .000140  | 1.287296 | .0061674 | .0078067 | 26.70672 | .5515958 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045934 | .3634879 | 13.91104 | .0837618 | .0386816 | .1996003 | 118.3613 |
| Stddev | .0000680 | .0013862 | .12632   | .0006406 | .0001456 | .0053274 | 1.3909   |
| %RSD   | 1.480168 | .3813492 | .9080216 | .7647629 | .3764470 | 2.669038 | 1.175166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046378 | .3620847 | 13.98400 | .0835324 | .0385375 | .2036449 | 119.9358 |
| #2 | .0046272 | .3635227 | 13.76518 | .0844855 | .0386787 | .2015919 | 117.2992 |
| #3 | .0045151 | .3648563 | 13.98394 | .0832675 | .0388287 | .1935640 | 117.8490 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.130848 | 2.540245 | .0590465 | -.004995 | -.485696 | .1639803 | 23.05055 |
| Stddev | .010200  | .016805  | .0005013 | .000431  | .246174  | .0057835 | .30051   |
| %RSD   | .9019658 | .6615449 | .8489536 | 8.633654 | 50.68479 | 3.526934 | 1.303689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.142515 | 2.528340 | .0585119 | -.004532 | -.556911 | .1693454 | 23.38814 |
| #2 | 1.126408 | 2.559468 | .0591217 | -.005385 | -.688412 | .1647417 | 22.81226 |
| #3 | 1.123620 | 2.532927 | .0595059 | -.005067 | -.211765 | .1578538 | 22.95124 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.494044 | 3.741080 | .1321411 | .0047442 | 3.983341 | 2.375301 | .0068701 |
| Stddev | .033924  | .008991  | .0030979 | .0004352 | .008478  | .013811  | .0012864 |
| %RSD   | 2.270610 | .2403268 | 2.344346 | 9.173232 | .2128454 | .5814356 | 18.72430 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.488245 | 3.737437 | .1346409 | .0046458 | 3.978331 | 2.391239 | .0074717 |
| #2 | 1.463394 | 3.734483 | .1286754 | .0052201 | 3.993130 | 2.367820 | .0053931 |
| #3 | 1.530494 | 3.751321 | .1331071 | .0043666 | 3.978561 | 2.366845 | .0077454 |

Sample Name: K1339-21DLX2      Acquired: 02/13/2019 18:19:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0698266 | .0124859 | .0470146 |
| Stddev | .0016048 | .0011907 | .0006079 |
| %RSD   | 2.298312 | 9.536272 | 1.293025 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0681878 | .0134465 | .0474032 |
| #2 | .0698967 | .0111537 | .0463140 |
| #3 | .0713952 | .0128575 | .0473266 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1351.474 | 2433.564 | 28530.63 | 3748.192 | 2978.438 |
| Stddev    | 11.286   | 9.295    | 91.34    | 27.119   | 7.249    |
| %RSD      | .8350705 | .3819375 | .3201647 | .7235141 | .2433893 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1338.814 | 2444.236 | 28498.28 | 3721.671 | 2984.348 |
| #2 | 1355.126 | 2427.242 | 28459.86 | 3747.032 | 2980.617 |
| #3 | 1360.481 | 2429.214 | 28633.75 | 3775.871 | 2970.350 |

Sample Name: K1342-03DLX2      Acquired: 02/13/2019 18:23:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG07      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0473148 | -.000819 | 4.123709 | .0090555 | .0036002 | 44.45412 | .6475401 |
| Stddev | .0019477 | .000761  | .012847  | .0016738 | .0005225 | .12678   | .0012123 |
| %RSD   | 4.116367 | 92.86260 | .3115355 | 18.48392 | 14.51207 | .2851839 | .1872203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0481755 | -.001471 | 4.110831 | .0076075 | .0030150 | 44.38033 | .6488430 |
| #2 | .0450850 | .000017  | 4.123771 | .0086707 | .0040196 | 44.60051 | .6464453 |
| #3 | .0486837 | -.001004 | 4.136524 | .0108881 | .0037661 | 44.38153 | .6473319 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0051631 | .1812227 | 38.48555 | .0771235 | .0546340 | .4321191 | 111.3735 |
| Stddev | .0000817 | .0008642 | .09776   | .0007078 | .0003913 | .0071275 | .4031    |
| %RSD   | 1.581790 | .4768517 | .2540108 | .9176924 | .7162211 | 1.649420 | .3619773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0052463 | .1804051 | 38.51963 | .0764503 | .0541903 | .4344069 | 111.1213 |
| #2 | .0051598 | .1811361 | 38.37532 | .0778613 | .0547819 | .4241287 | 111.8385 |
| #3 | .0050831 | .1821269 | 38.56171 | .0770589 | .0549298 | .4378218 | 111.1608 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.660418 | 4.451311 | .0932125 | -.004669 | -.130833 | .1404948 | 23.21558 |
| Stddev | .015193  | .123743  | .0009562 | .000068  | .225647  | .0106218 | .28712   |
| %RSD   | .9150207 | 2.779911 | 1.025853 | 1.454005 | 172.4698 | 7.560283 | 1.236769 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.648006 | 4.308514 | .0929254 | -.004747 | -.308501 | .1525383 | 23.54540 |
| #2 | 1.677361 | 4.518365 | .0924328 | -.004630 | .123053  | .1324633 | 23.02150 |
| #3 | 1.655886 | 4.527055 | .0942794 | -.004629 | -.207051 | .1364828 | 23.07982 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.151334 | 1.169651 | .1246816 | .0060481 | 15.49438 | 1.947808 | .0025004 |
| Stddev | .029840  | .005104  | .0017017 | .0002702 | .07204   | .016486  | .0009111 |
| %RSD   | 1.387070 | .4363690 | 1.364857 | 4.468145 | .4649589 | .8463945 | 36.43879 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.146820 | 1.164756 | .1260468 | .0063601 | 15.43740 | 1.931489 | .0024340 |
| #2 | 2.124008 | 1.169256 | .1252229 | .0058988 | 15.47038 | 1.964456 | .0034430 |
| #3 | 2.183174 | 1.174941 | .1227751 | .0058855 | 15.57536 | 1.947478 | .0016244 |



Sample Name: K1342-03DLX2      Acquired: 02/13/2019 18:23:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG07      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0919783 | .0201438 | .0736241 |
| Stddev | .0016949 | .0017369 | .0000979 |
| %RSD   | 1.842720 | 8.622757 | .1329293 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0906348 | .0181390 | .0737370 |
| #2 | .0938825 | .0210979 | .0735713 |
| #3 | .0914176 | .0211947 | .0735639 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1307.641 | 2363.792 | 27899.56 | 3692.833 | 2919.488 |
| Stddev    | 11.007   | 8.281    | 33.97    | 26.818   | 6.987    |
| %RSD      | .8417558 | .3503101 | .1217471 | .7262256 | .2393148 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1296.613 | 2373.089 | 27935.13 | 3713.756 | 2926.534 |
| #2 | 1307.685 | 2361.080 | 27867.47 | 3662.600 | 2919.366 |
| #3 | 1318.627 | 2357.208 | 27896.09 | 3702.142 | 2912.563 |

Sample Name: K1342-04DLX2      Acquired: 02/13/2019 18:27:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG08      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0435505 | -.001437 | 4.137135 | .0078108 | .0035162 | 45.66161 | .7223999 |
| Stddev | .0041582 | .003147  | .016179  | .0017002 | .0009480 | .17006   | .0057711 |
| %RSD   | 9.547899 | 218.9040 | .3910737 | 21.76755 | 26.96213 | .3724358 | .7988844 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0480332 | -.003449 | 4.122621 | .0061760 | .0027309 | 45.74938 | .7286313 |
| #2 | .0398194 | .002189  | 4.134206 | .0095696 | .0045693 | 45.76985 | .7213296 |
| #3 | .0427989 | -.003052 | 4.154579 | .0076867 | .0032482 | 45.46560 | .7172388 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0052414 | .4784947 | 34.60218 | .0833852 | .0525532 | .4470990 | 103.8156 |
| Stddev | .0000351 | .0018171 | .36563   | .0007844 | .0002146 | .0035480 | .2449    |
| %RSD   | .6696750 | .3797486 | 1.056668 | .9406973 | .4084056 | .7935603 | .2358723 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0052181 | .4768429 | 34.97137 | .0841233 | .0527276 | .4458535 | 103.7797 |
| #2 | .0052245 | .4782002 | 34.59497 | .0834707 | .0526185 | .4443418 | 104.0765 |
| #3 | .0052818 | .4804411 | 34.24021 | .0825615 | .0523135 | .4511019 | 103.5907 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.427114 | 4.241598 | .0980036 | -.004533 | -.017980 | .1545230 | 28.47708 |
| Stddev | .004936  | .021506  | .0000634 | .000112  | .164735  | .0012322 | .46926   |
| %RSD   | .3458794 | .5070149 | .0647248 | 2.481679 | 916.2255 | .7973938 | 1.647854 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.421877 | 4.255534 | .0980577 | -.004518 | -.085016 | .1549140 | 28.99654 |
| #2 | 1.431680 | 4.216831 | .0979338 | -.004652 | .169705  | .1531427 | 28.35089 |
| #3 | 1.427785 | 4.252430 | .0980193 | -.004428 | -.138627 | .1555122 | 28.08383 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.044018 | 1.251970 | .1175354 | .0051545 | 13.42980 | 1.503045 | .0030329 |
| Stddev | .061024  | .011627  | .0011494 | .0003332 | .04201   | .010511  | .0001267 |
| %RSD   | 2.985508 | .9286868 | .9778913 | 6.464415 | .3128181 | .6993431 | 4.178060 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.014579 | 1.250373 | .1170137 | .0052583 | 13.40491 | 1.491319 | .0028975 |
| #2 | 2.114181 | 1.241224 | .1188530 | .0047818 | 13.40618 | 1.506193 | .0030526 |
| #3 | 2.003294 | 1.264313 | .1167393 | .0054235 | 13.47830 | 1.511622 | .0031486 |

Sample Name: K1342-04DLX2      Acquired: 02/13/2019 18:27:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG08      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0844689 | .0196483 | .0768041 |
| Stddev | .0015972 | .0005823 | .0004663 |
| %RSD   | 1.890831 | 2.963803 | .6071197 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0852949 | .0203207 | .0772177 |
| #2 | .0854838 | .0193070 | .0768959 |
| #3 | .0826278 | .0193173 | .0762987 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1330.714 | 2375.317 | 28208.67 | 3718.809 | 2931.490 |
| Stddev    | 4.889    | 5.900    | 114.67   | 26.691   | 4.000    |
| %RSD      | .3673644 | .2483821 | .4064916 | .7177333 | .1364578 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1328.239 | 2372.401 | 28142.32 | 3749.276 | 2934.452 |
| #2 | 1327.557 | 2382.107 | 28142.63 | 3699.542 | 2933.078 |
| #3 | 1336.345 | 2371.443 | 28341.08 | 3707.611 | 2926.939 |

Sample Name: K1342-05DLX2      Acquired: 02/13/2019 18:31:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG09      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0222975 | -.000132 | 4.672371 | .0056974 | .0030504 | 24.88443 | .5275890 |
| Stddev | .0032261 | .000941  | .014045  | .0006582 | .0002274 | .08750   | .0020961 |
| %RSD   | 14.46849 | 715.2816 | .3005986 | 11.55211 | 7.455074 | .3516153 | .3972934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0246188 | -.000706 | 4.669744 | .0059916 | .0028612 | 24.92449 | .5299188 |
| #2 | .0186136 | .000955  | 4.659825 | .0049434 | .0029873 | 24.78407 | .5258562 |
| #3 | .0236600 | -.000644 | 4.687544 | .0061572 | .0033027 | 24.94472 | .5269920 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030824 | .2554205 | 29.98664 | .0858544 | .0241244 | .1916606 | 60.55067 |
| Stddev | .0001375 | .0007343 | .05705   | .0010986 | .0001393 | .0034298 | .53037   |
| %RSD   | 4.459663 | .2874790 | .1902472 | 1.279653 | .5774333 | 1.789545 | .8759150 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0032159 | .2548141 | 30.04167 | .0850207 | .0239649 | .1928460 | 61.13947 |
| #2 | .0029413 | .2552104 | 29.92776 | .0870993 | .0242224 | .1943404 | 60.11039 |
| #3 | .0030900 | .2562369 | 29.99047 | .0854432 | .0241858 | .1877952 | 60.40215 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4219971 | 3.007523 | .0771582 | -.002054 | -.462608 | .1225687 | 22.75300 |
| Stddev | .0040329 | .040342  | .0003501 | .000128  | .259681  | .0061127 | .12537   |
| %RSD   | .9556709 | 1.341363 | .4537873 | 6.210158 | 56.13408 | 4.987187 | .5510182 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4230658 | 2.982820 | .0774480 | -.002199 | -.761988 | .1155237 | 22.69758 |
| #2 | .4175375 | 3.054077 | .0767691 | -.002003 | -.327523 | .1257141 | 22.89653 |
| #3 | .4253880 | 2.985673 | .0772575 | -.001960 | -.298315 | .1264682 | 22.66488 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.724290 | 1.146336 | .0690704 | .0024827 | 2.340933 | 1.589057 | .0005665 |
| Stddev | .042014  | .002138  | .0002712 | .0002254 | .010542  | .015276  | .0006777 |
| %RSD   | 2.436607 | .1865239 | .3925672 | 9.080375 | .4503299 | .9613209 | 119.6307 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.720377 | 1.147205 | .0688306 | .0022702 | 2.334975 | 1.603285 | .0009982 |
| #2 | 1.684370 | 1.143900 | .0690161 | .0024588 | 2.353105 | 1.572913 | -.000215 |
| #3 | 1.768124 | 1.147902 | .0693647 | .0027191 | 2.334719 | 1.590973 | .000916  |

Sample Name: K1342-05DLX2      Acquired: 02/13/2019 18:31:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG09      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1483963 | .0160536 | .0267903 |
| Stddev | .0008252 | .0005249 | .0000911 |
| %RSD   | .5561044 | 3.269402 | .3400759 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1492949 | .0155823 | .0267576 |
| #2 | .1482217 | .0166193 | .0267200 |
| #3 | .1476724 | .0159594 | .0268932 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1284.628 | 2299.374 | 27230.10 | 3598.689 | 2946.342 |
| Stddev    | 2.057    | 6.146    | 136.41   | 35.514   | 7.786    |
| %RSD      | .1600933 | .2672684 | .5009360 | .9868555 | .2642606 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1285.712 | 2305.734 | 27137.34 | 3564.370 | 2952.889 |
| #2 | 1282.256 | 2298.920 | 27166.24 | 3635.288 | 2948.405 |
| #3 | 1285.916 | 2293.468 | 27386.72 | 3596.409 | 2937.733 |

Sample Name: K1342-13DLX2      Acquired: 02/13/2019 18:39:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0656904 | .0009970 | .1129499 | .0117854 | .0076710 | 54.41915 | .4947294 |
| Stddev | .0020999 | .0019773 | .0003375 | .0012660 | .0019340 | .04405   | .0011691 |
| %RSD   | 3.196712 | 198.3260 | .2988463 | 10.74167 | 25.21122 | .0809433 | .2363087 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0648534 | .0000235 | .1130876 | .0114818 | .0056945 | 54.42364 | .4950021 |
| #2 | .0641381 | .0032724 | .1125653 | .0106988 | .0095595 | 54.37302 | .4934480 |
| #3 | .0680798 | -.000305 | .1131969 | .0131755 | .0077590 | 54.46078 | .4957380 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0065402 | .0914375 | 6.658462 | .2166238 | .0345075 | .0365273 | 178.6737 |
| Stddev | .0001046 | .0003760 | .047923  | .0020638 | .0002781 | .0019000 | .7557    |
| %RSD   | 1.598825 | .4111762 | .7197317 | .9527048 | .8057809 | 5.201550 | .4229437 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0064281 | .0914743 | 6.676164 | .2142712 | .0341892 | .0343383 | 178.5925 |
| #2 | .0066351 | .0910445 | 6.695015 | .2174713 | .0346300 | .0374951 | 179.4668 |
| #3 | .0065574 | .0917937 | 6.604206 | .2181289 | .0347032 | .0377486 | 177.9619 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6245729 | 3.401441 | .0533837 | -.008617 | -.792593 | .3595599 | 15.72638 |
| Stddev | .0029504 | .092037  | .0004851 | .000129  | .128027  | .0015829 | .05372   |
| %RSD   | .4723922 | 2.705813 | .9086873 | 1.499358 | 16.15288 | .4402385 | .3415790 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6275658 | 3.300768 | .0532826 | -.008742 | -.940171 | .3598588 | 15.68620 |
| #2 | .6244861 | 3.481264 | .0529571 | -.008624 | -.711289 | .3609721 | 15.70555 |
| #3 | .6216668 | 3.422292 | .0539114 | -.008484 | -.726319 | .3578489 | 15.78740 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.980251 | 1.071301 | .2027914 | .0058717 | .6826495 | 2.079223 | .0032130 |
| Stddev | .023332  | .002303  | .0023053 | .0003071 | .0031062 | .005993  | .0004729 |
| %RSD   | 1.178231 | .2149661 | 1.136783 | 5.230692 | .4550158 | .2882496 | 14.71806 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.977836 | 1.068796 | .2045836 | .0059361 | .6793953 | 2.077277 | .0035584 |
| #2 | 2.004696 | 1.073326 | .2035998 | .0055375 | .6829707 | 2.085948 | .0026740 |
| #3 | 1.958220 | 1.071781 | .2001907 | .0061415 | .6855826 | 2.074445 | .0034065 |

Sample Name: K1342-13DLX2      Acquired: 02/13/2019 18:39:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG15      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2175313 | .0223590 | .0336011 |
| Stddev | .0023187 | .0024343 | .0000834 |
| %RSD   | 1.065912 | 10.88723 | .2482047 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2151023 | .0235544 | .0336973 |
| #2 | .2177704 | .0195581 | .0335502 |
| #3 | .2197212 | .0239644 | .0335557 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1269.120 | 2280.471 | 26925.64 | 3522.093 | 2934.332 |
| Stddev    | 8.305    | 4.511    | 176.54   | 20.516   | 7.074    |
| %RSD      | .6543520 | .1978293 | .6556401 | .5825021 | .2410678 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1262.682 | 2283.351 | 26955.62 | 3498.556 | 2940.025 |
| #2 | 1278.494 | 2275.271 | 27085.28 | 3536.188 | 2936.558 |
| #3 | 1266.184 | 2282.790 | 26736.04 | 3531.536 | 2926.413 |

Sample Name: K1342-09DLX10      Acquired: 02/13/2019 18:35:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: MGAG11      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073665 | -.001156 | 1.029752 | .0031881 | .0027499 | 12.17263 | .1362298 |
| Stddev | .0029368 | .000139  | .002685  | .0013392 | .0009900 | .03397   | .0010368 |
| %RSD   | 39.86668 | 12.01141 | .2607732 | 42.00628 | 36.00216 | .2790931 | .7610595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105031 | -.001139 | 1.031902 | .0026557 | .0038697 | 12.16910 | .1357262 |
| #2 | .0046819 | -.001026 | 1.026742 | .0021969 | .0019908 | 12.14055 | .1374221 |
| #3 | .0069146 | -.001303 | 1.030611 | .0047116 | .0023893 | 12.20822 | .1355409 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014406 | .0788442 | 3.566662 | .0322762 | .0239250 | .0667432 | 36.14753 |
| Stddev | .0000338 | .0003161 | .009893  | .0004686 | .0001888 | .0042677 | .20958   |
| %RSD   | 2.343711 | .4009216 | .2773678 | 1.451892 | .7891252 | 6.394247 | .5797773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014022 | .0786169 | 3.562920 | .0321458 | .0237811 | .0714314 | 35.93821 |
| #2 | .0014654 | .0787105 | 3.559187 | .0318866 | .0241388 | .0657143 | 36.35736 |
| #3 | .0014542 | .0792052 | 3.577880 | .0327962 | .0238551 | .0630841 | 36.14702 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8885334 | 1.119129 | .0241431 | -.000929 | -.313667 | .0531506 | 11.53502 |
| Stddev | .0037369 | .017062  | .0005213 | .000153  | .292862  | .0006815 | .05405   |
| %RSD   | .4205657 | 1.524601 | 2.159342 | 16.52333 | 93.36702 | 1.282264 | .4685991 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8846899 | 1.116284 | .0246826 | -.000800 | -.117998 | .0538087 | 11.53973 |
| #2 | .8887567 | 1.137436 | .0241045 | -.001099 | -.172643 | .0531953 | 11.58657 |
| #3 | .8921536 | 1.103669 | .0236421 | -.000888 | -.650360 | .0524479 | 11.47877 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4904631 | .3737953 | .0374017 | .0008804 | 2.581664 | .3898603 | .0007945 |
| Stddev | .0287167 | .0027766 | .0002217 | .0002279 | .004379  | .0008187 | .0009559 |
| %RSD   | 5.855025 | .7428102 | .5927571 | 25.88717 | .1696268 | .2099946 | 120.3115 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5060247 | .3722301 | .0372259 | .0008518 | 2.577691 | .3890504 | .0018929 |
| #2 | .4573243 | .3721546 | .0376508 | .0011213 | 2.580940 | .3898430 | .0001518 |
| #3 | .5080402 | .3770011 | .0373285 | .0006681 | 2.586359 | .3906875 | .0003388 |



Sample Name: K1342-09DLX10      Acquired: 02/13/2019 18:35:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG11      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0217487 | .0022207 | .0111816 |
| Stddev | .0005818 | .0013464 | .0001421 |
| %RSD   | 2.674854 | 60.62722 | 1.270641 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0223968 | .0008746 | .0112877 |
| #2 | .0215774 | .0022203 | .0110202 |
| #3 | .0212718 | .0035674 | .0112369 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1258.528 | 2256.599 | 26457.97 | 3473.633 | 2978.994 |
| Stddev    | 8.368    | 6.333    | 145.31   | 17.356   | 5.787    |
| %RSD      | .6649330 | .2806457 | .5492290 | .4996581 | .1942607 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1250.267 | 2252.335 | 26314.31 | 3481.400 | 2972.825 |
| #2 | 1258.317 | 2263.876 | 26454.70 | 3453.750 | 2984.303 |
| #3 | 1267.000 | 2253.586 | 26604.89 | 3485.750 | 2979.854 |

Sample Name: CCV010      Acquired: 02/13/2019 18:55:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV010      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.919580 | 4.927322 | 23.33874 | 5.389896 | 5.444538 | 387.7899 | 9.527347 |
| Stddev | .049933  | .040383  | .16475   | .045013  | .046320  | .4513    | .008681  |
| %RSD   | 1.014991 | .8195677 | .7059047 | .8351354 | .8507536 | .1163727 | .0911143 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.920880 | 4.933974 | 23.36484 | 5.398708 | 5.450977 | 388.1192 | 9.517335 |
| #2 | 4.869010 | 4.884027 | 23.16250 | 5.341129 | 5.395336 | 387.9751 | 9.532785 |
| #3 | 4.968851 | 4.963966 | 23.48889 | 5.429851 | 5.487302 | 387.2755 | 9.531919 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5090491 | 2.497897 | 362.9523 | 15.18601 | 2.462066 | 14.80115 | 420.3920 |
| Stddev | .0007339 | .015686  | .2617    | .01624   | .019329  | .06146   | 2.7442   |
| %RSD   | .1441642 | .6279566 | .0721149 | .1069384 | .7850597 | .4152281 | .6527615 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5084710 | 2.495800 | 362.9218 | 15.19719 | 2.459598 | 14.78446 | 421.1284 |
| #2 | .5088017 | 2.483365 | 363.2279 | 15.16738 | 2.444090 | 14.86923 | 422.6929 |
| #3 | .5098747 | 2.514526 | 362.7071 | 15.19346 | 2.482511 | 14.74977 | 417.3548 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.06440 | 412.1283 | 2.490508 | 1.184163 | 399.9624 | 2.461651 | 15.50423 |
| Stddev | .13478   | 1.6672   | .018050  | .001330  | 1.0873   | .019914  | .11461   |
| %RSD   | .9582977 | .4045260 | .7247667 | .1123001 | .2718396 | .8089535 | .7391990 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.17055 | 412.3127 | 2.488513 | 1.185436 | 400.4029 | 2.469828 | 15.54781 |
| #2 | 14.10990 | 413.6957 | 2.473538 | 1.184271 | 398.7240 | 2.476175 | 15.59066 |
| #3 | 13.91276 | 410.3766 | 2.509473 | 1.182782 | 400.7603 | 2.438951 | 15.37423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 149.7949 | 5.053470 | 5.007641 | 5.445866 | 4.707954 | 4.860215 | 5.019199 |
| Stddev | .2326    | .039280  | .010417  | .047576  | .055971  | .014163  | .033920  |
| %RSD   | .1552991 | .7772821 | .2080233 | .8736245 | 1.188852 | .2913975 | .6758119 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 150.0575 | 5.054239 | 5.005520 | 5.441690 | 4.700676 | 4.844354 | 5.011609 |
| #2 | 149.6144 | 5.013812 | 5.018955 | 5.400516 | 4.655978 | 4.864697 | 4.989716 |
| #3 | 149.7129 | 5.092360 | 4.998448 | 5.495393 | 4.767207 | 4.871595 | 5.056271 |

Sample Name: CCV010      Acquired: 02/13/2019 18:55:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN H      Custom ID1: CCV010      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.616934 | 4.991176 | 4.832355 |
| Stddev | .016932  | .006433  | .007326  |
| %RSD   | .3667279 | .1288901 | .1516091 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.626294 | 4.985129 | 4.834586 |
| #2 | 4.627118 | 4.990464 | 4.838307 |
| #3 | 4.597388 | 4.997936 | 4.824173 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1029.880 | 1841.451 | 23949.57 | 3186.073 | 2366.758 |
| Stddev    | 4.349    | 9.673    | 67.70    | 4.598    | 9.680    |
| %RSD      | .4223055 | .5253060 | .2826887 | .1443114 | .4089802 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1027.663 | 1842.394 | 23901.94 | 3186.751 | 2369.608 |
| #2 | 1034.891 | 1850.617 | 24027.07 | 3190.294 | 2374.694 |
| #3 | 1027.087 | 1831.340 | 23919.70 | 3181.174 | 2355.974 |

Sample Name: K1342-18DLX5      Acquired: 02/13/2019 18:51:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG20      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0163971 | -.001409 | 1.191095 | .0038488 | .0016725 | 5.665341 | .0736486 |
| Stddev | .0007590 | .002068  | .007708  | .0025760 | .0013050 | .071763  | .0012297 |
| %RSD   | 4.628816 | 146.7752 | .6471029 | 66.92961 | 78.02870 | 1.266708 | 1.669705 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0171161 | -.003796 | 1.185926 | .0068052 | .0023885 | 5.688585 | .0748380 |
| #2 | .0164716 | -.000157 | 1.187404 | .0020862 | .0001662 | 5.584837 | .0723822 |
| #3 | .0156036 | -.000274 | 1.199954 | .0026551 | .0024626 | 5.722602 | .0737257 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010285 | .0802410 | 10.53422 | .0122913 | .0082859 | .1144039 | 36.08608 |
| Stddev | .0000488 | .0005168 | .15663   | .0007908 | .0003117 | .0059599 | .13715   |
| %RSD   | 4.742862 | .6440568 | 1.486841 | 6.433914 | 3.761503 | 5.209502 | .3800595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010819 | .0800253 | 10.57278 | .0114938 | .0083969 | .1182324 | 36.22051 |
| #2 | .0010174 | .0798670 | 10.36191 | .0130753 | .0085269 | .1075372 | 35.94637 |
| #3 | .0009862 | .0808307 | 10.66796 | .0123047 | .0079339 | .1174421 | 36.09135 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5162225 | .7690881 | .0195989 | -.000980 | -.386755 | .0288700 | 13.48984 |
| Stddev | .0003342 | .0050217 | .0009765 | .000525  | .138662  | .0094140 | .23001   |
| %RSD   | .0647339 | .6529439 | 4.982251 | 53.53559 | 35.85275 | 32.60818 | 1.705074 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5165965 | .7720726 | .0191050 | -.001394 | -.546556 | .0379939 | 13.26192 |
| #2 | .5159533 | .7719014 | .0189680 | -.001156 | -.315509 | .0191906 | 13.72188 |
| #3 | .5161176 | .7632904 | .0207236 | -.000390 | -.298199 | .0294256 | 13.48572 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7608308 | 1.108699 | .0399045 | .0013637 | 3.661676 | .8181179 | -.000159 |
| Stddev | .0601971 | .006104  | .0004708 | .0002933 | .009295  | .0135340 | .000781  |
| %RSD   | 7.912028 | .5505251 | 1.179812 | 21.50854 | .2538527 | 1.654286 | 489.6799 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7672114 | 1.108881 | .0402651 | .0013726 | 3.661123 | .8274573 | .000345  |
| #2 | .6976975 | 1.102506 | .0393719 | .0010660 | 3.652669 | .8025969 | -.001059 |
| #3 | .8175835 | 1.114709 | .0400764 | .0016524 | 3.671235 | .8242995 | .000236  |

Sample Name: K1342-18DLX5      Acquired: 02/13/2019 18:51:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: MGAG20      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0315475 | .0009537 | .0152457 |
| Stddev | .0036079 | .0007762 | .0001710 |
| %RSD   | 11.43635 | 81.38812 | 1.121893 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0309283 | .0000972 | .0152577 |
| #2 | .0282893 | .0016105 | .0150690 |
| #3 | .0354249 | .0011535 | .0154104 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1238.544 | 2225.951 | 26247.16 | 3436.608 | 2967.724 |
| Stddev    | 2.557    | 9.425    | 185.99   | 39.914   | 10.369   |
| %RSD      | .2064831 | .4234044 | .7086074 | 1.161444 | .3493786 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1240.053 | 2231.126 | 26418.10 | 3408.100 | 2972.748 |
| #2 | 1235.591 | 2231.655 | 26049.10 | 3482.225 | 2974.623 |
| #3 | 1239.988 | 2215.073 | 26274.28 | 3419.500 | 2955.800 |

Sample Name: CCB010      Acquired: 02/13/2019 18:59:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB010      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003773 | -.000357 | .0007781 | .0024723 | .0003392 | -.021479 | -.003586 |
| Stddev | .002302  | .001821  | .0008660 | .0025386 | .0016244 | .018104  | .001077  |
| %RSD   | 61.00625 | 509.3929 | 111.2966 | 102.6843 | 478.9180 | 84.28748 | 30.03826 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.005792 | -.000387 | .0001462 | .0034573 | .0018090 | -.016921 | -.004720 |
| #2 | -.004260 | .001478  | .0004228 | -.000411 | .0006135 | -.041427 | -.003462 |
| #3 | -.001267 | -.002163 | .0017652 | .004371  | -.001405 | -.006089 | -.002576 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000069 | .0000934 | -.014956 | .0001410 | -.000035 | -.002204 | -.004631 |
| Stddev | .000069  | .0000745 | .018393  | .0007096 | .000176  | .003988  | .026357  |
| %RSD   | 99.38567 | 79.69610 | 122.9823 | 503.1764 | 508.9196 | 180.9784 | 569.1940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000029 | .0001459 | -.024926 | .0005597 | .000169  | .001999  | .025788  |
| #2 | -.000030 | .0001262 | -.026213 | -.000678 | -.000129 | -.005936 | -.020691 |
| #3 | -.000149 | .0000082 | .006270  | .000542  | -.000144 | -.002674 | -.018989 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012206 | -.011874 | -.000092 | .0009888 | -.577894 | -.004112 | -.011106 |
| Stddev | .0009956 | .076226  | .000335  | .0003124 | .498640  | .002363  | .010890  |
| %RSD   | 81.57035 | 641.9386 | 363.9227 | 31.59642 | 86.28577 | 57.46089 | 98.05458 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015408 | .057327  | -.000304 | .0007750 | -1.04439 | -.006766 | -.023632 |
| #2 | .0020167 | -.093579 | .000294  | .0013474 | -.05236  | -.002235 | -.003880 |
| #3 | .0001042 | .000629  | -.000266 | .0008441 | -.63693  | -.003336 | -.005807 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.149562 | -.007246 | .0030564 | .0003152 | -.007831 | .0002100 | -.001575 |
| Stddev | .035097  | .001292  | .0006517 | .0000902 | .002860  | .0026055 | .001303  |
| %RSD   | 23.46642 | 17.83362 | 21.32284 | 28.61661 | 36.52246 | 1240.702 | 82.75762 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.186305 | -.007003 | .0033759 | .0003772 | -.010843 | .0003780 | -.001552 |
| #2 | -.116384 | -.008642 | .0034867 | .0002117 | -.005152 | -.002475 | -.002889 |
| #3 | -.145997 | -.006093 | .0023066 | .0003567 | -.007497 | .002727  | -.000283 |

Sample Name: CCB010      Acquired: 02/13/2019 18:59:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v777)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN H      Custom ID1: CCB010      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002359 | -.001261 | -.000099 |
| Stddev | .000071  | .001257  | .000084  |
| %RSD   | 2.990290 | 99.68468 | 85.50223 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002439 | -.000602 | -.000167 |
| #2 | -.002304 | -.002711 | -.000124 |
| #3 | -.002335 | -.000471 | -.000005 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1220.206 | 2169.920 | 25707.02 | 3321.358 | 2942.480 |
| Stddev    | 4.956    | 1.910    | 41.73    | 10.250   | 7.145    |
| %RSD      | .4061683 | .0880332 | .1623360 | .3086090 | .2428200 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1225.916 | 2170.215 | 25658.99 | 3314.050 | 2947.728 |
| #2 | 1217.683 | 2167.879 | 25734.41 | 3333.075 | 2945.369 |
| #3 | 1217.018 | 2171.665 | 25727.65 | 3316.950 | 2934.343 |