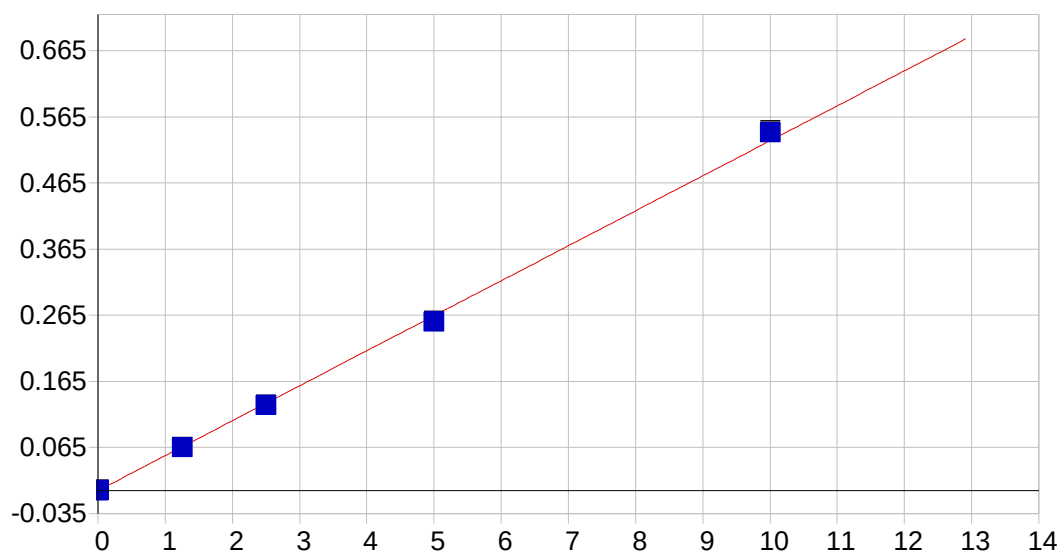




As 189.042 {479}

Date of Fit: 1/23/2018 11:47:12

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000241

Re-Slope: 1.000000

A1 (Gain): 0.052918

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999634

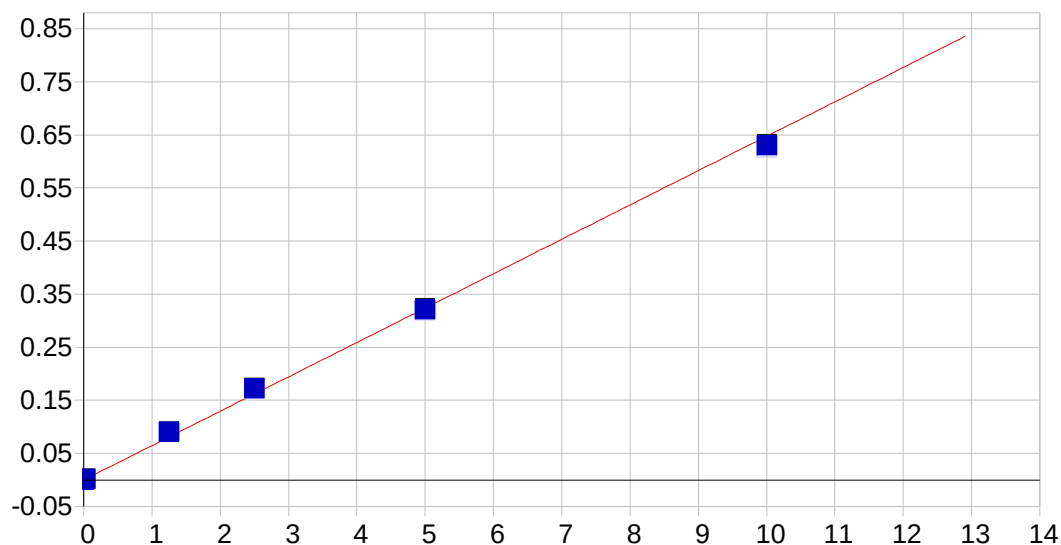
Status: OK.

Std Error of Est: 0.000024

Predicted MDL: 0.003048

Predicted MQL: 0.010161

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00024 | .000    | 1        |
| S1        | .01000       | .01205      | .002       | 20.5    | .00040  | .000    | 1        |
| S2        | 1.2500       | 1.2362      | -.014      | -1.10   | .06518  | .000    | 1        |
| S3        | 2.5000       | 2.4420      | -.058      | -2.32   | .12900  | .001    | 1        |
| S4        | 5.0000       | 4.8276      | -.172      | -3.45   | .25526  | .001    | 1        |
| S5        | 10.000       | 10.242      | .242       | 2.42    | .54183  | .002    | 1        |

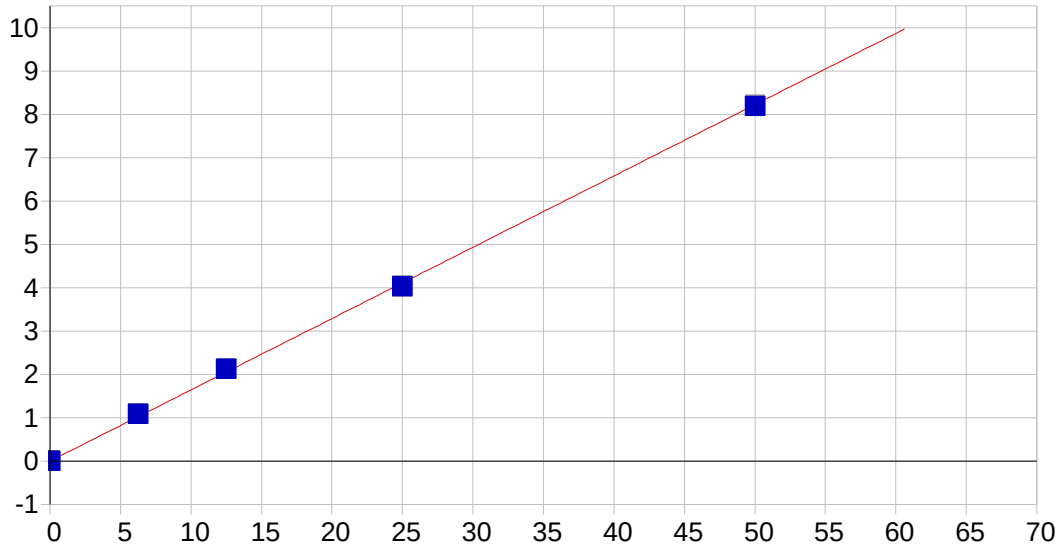


TI 190.856 {477}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000062 Re-Slope: 1.000000  
 A1 (Gain): 0.064752 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998968 Status: OK.  
 Std Error of Est: 0.000078  
 Predicted MDL: 0.001801  
 Predicted MQL: 0.006004

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .02500       | .02645      | .001       | 5.78    | .00163  | .000    | 1        |
| S2        | 1.2500       | 1.4062      | .156       | 12.5    | .09050  | .001    | 1        |
| S3        | 2.5000       | 2.6633      | .163       | 6.53    | .17142  | .000    | 1        |
| S4        | 5.0000       | 4.9558      | -.044      | -.884   | .31888  | .002    | 1        |
| S5        | 10.000       | 9.7232      | -.277      | -2.77   | .62563  | .003    | 1        |

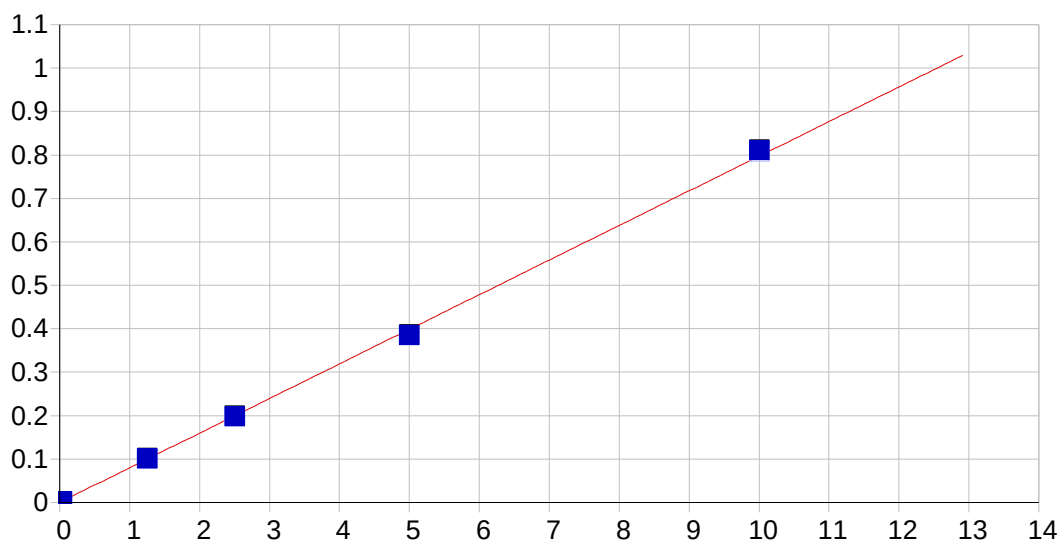


Pb 220.353 {453}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000289 Re-Slope: 1.000000  
 A1 (Gain): 0.164418 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999774 Status: OK.  
 Std Error of Est: 0.000131  
 Predicted MDL: 0.001487  
 Predicted MQL: 0.004957

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00029 | .000    | 1        |
| S1        | .01000       | .00975      | .000       | -2.46   | .00132  | .000    | 1        |
| S2        | 6.2500       | 6.5939      | .344       | 5.50    | 1.0855  | .006    | 1        |
| S3        | 12.500       | 12.890      | .390       | 3.12    | 2.1223  | .007    | 1        |
| S4        | 25.000       | 24.489      | -.511      | -2.04   | 4.0326  | .003    | 1        |
| S5        | 50.000       | 49.777      | -.223      | -.447   | 8.1968  | .018    | 1        |

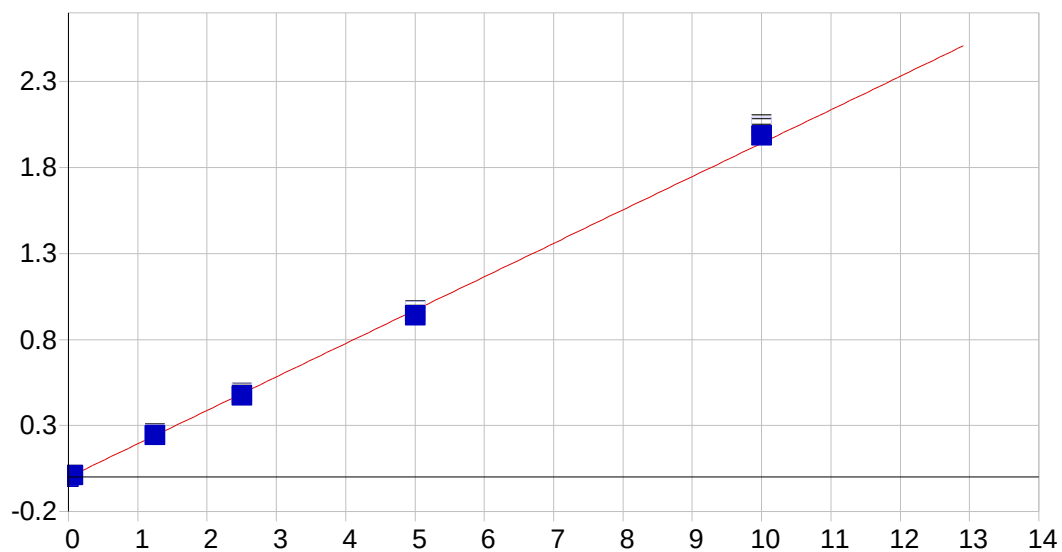


Se 196.090 {472}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000221 Re-Slope: 1.000000  
 A1 (Gain): 0.079698 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999781 Status: OK.  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.002612  
 Predicted MQL: 0.008707

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00022 | .000    | 1        |
| S1        | .03500       | .03474      | .000       | -.735   | .00299 | .000    | 1        |
| S2        | 1.2500       | 1.2605      | .010       | .838    | .10021 | .001    | 1        |
| S3        | 2.5000       | 2.4875      | -.012      | -.498   | .19754 | .001    | 1        |
| S4        | 5.0000       | 4.8374      | -.163      | -3.25   | .38389 | .001    | 1        |
| S5        | 10.000       | 10.165      | .165       | 1.65    | .80660 | .001    | 1        |

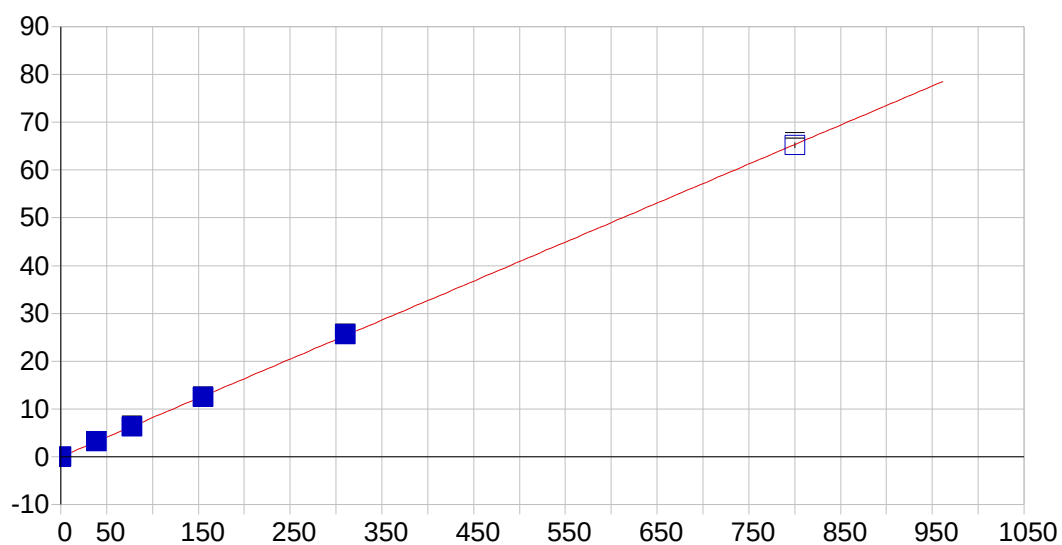


Sb 206.833 {463}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000129 Re-Slope: 1.000000  
 A1 (Gain): 0.194231 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999715 Status: OK.  
 Std Error of Est: 0.000196  
 Predicted MDL: 0.001315  
 Predicted MQL: 0.004384

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00013 | .000    | 1        |
| S1        | .06000       | .06063      | .001       | 1.05    | .01164  | .000    | 1        |
| S2        | 1.2500       | 1.2493      | -.001      | -.060   | .24913  | .003    | 1        |
| S3        | 2.5000       | 2.4439      | -.056      | -2.24   | .48778  | .001    | 1        |
| S4        | 5.0000       | 4.8378      | -.162      | -3.24   | .96596  | .002    | 1        |
| S5        | 10.000       | 10.218      | .218       | 2.18    | 2.0375  | .010    | 1        |

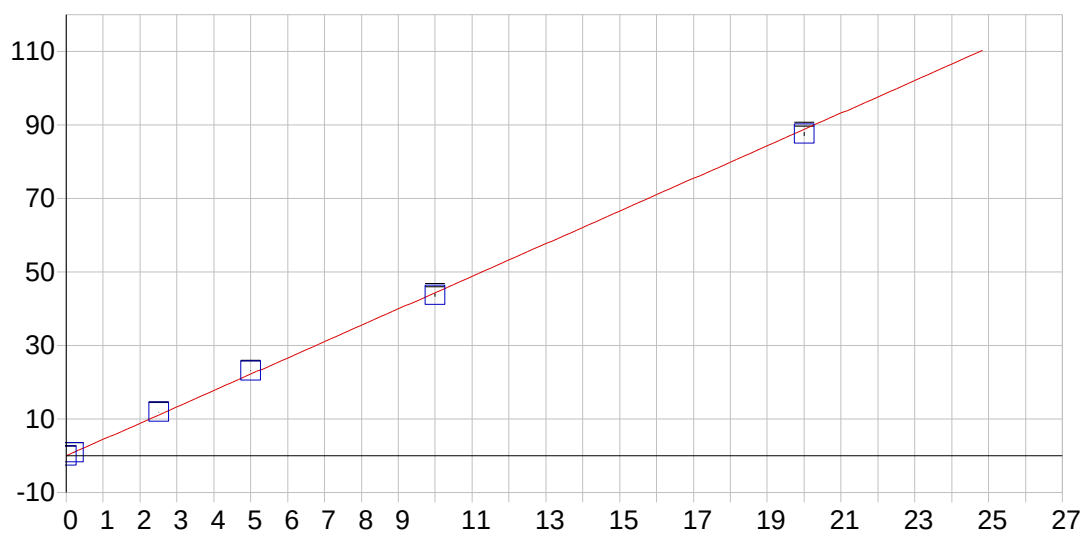


AI 396.152 { 85}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000148 Re-Slope: 1.000000  
 A1 (Gain): 0.081674 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000419  
 Predicted MDL: 0.005586  
 Predicted MQL: 0.018621

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00015 | .000    | 1        |
| S1        | .20000       | .20365      | .004       | 1.83    | .01651  | .000    | 1        |
| S2        | 38.750       | 39.272      | .522       | 1.35    | 3.2103  | .026    | 1        |
| S3        | 77.500       | 77.433      | -.067      | -.086   | 6.3300  | .059    | 1        |
| S4        | 155.00       | 152.60      | -2.40      | -1.55   | 12.475  | .030    | 1        |
| S5        | 310.00       | 313.77      | 3.77       | 1.22    | 25.650  | .042    | 1        |
| S6        | 800.00       | 798.16      | -1.84      | -.229   | 65.189  | .557    | 1        |

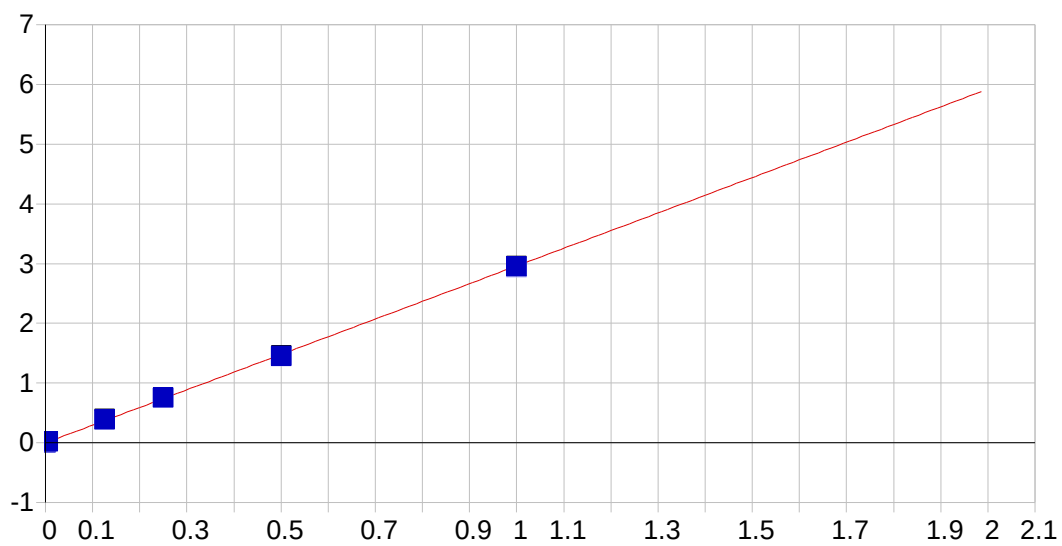


Ba 493.409 { 68}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.027168 Re-Slope: 1.000000  
 A1 (Gain): 4.439934 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999601 Status: OK.  
 Std Error of Est: 0.013337  
 Predicted MDL: 0.000276  
 Predicted MQL: 0.000919

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00003     | .000       | .000    | -.02730 | .000    | 1        |
| S1        | .20000       | .21162      | .012       | 5.81    | .91243  | .003    | 1        |
| S2        | 2.5000       | 2.6863      | .186       | 7.45    | 11.900  | .053    | 1        |
| S3        | 5.0000       | 5.2203      | .220       | 4.41    | 23.151  | .073    | 1        |
| S4        | 10.000       | 9.8496      | -.150      | -1.50   | 43.705  | .437    | 1        |
| S5        | 20.000       | 19.732      | -.268      | -1.34   | 87.582  | .523    | 1        |



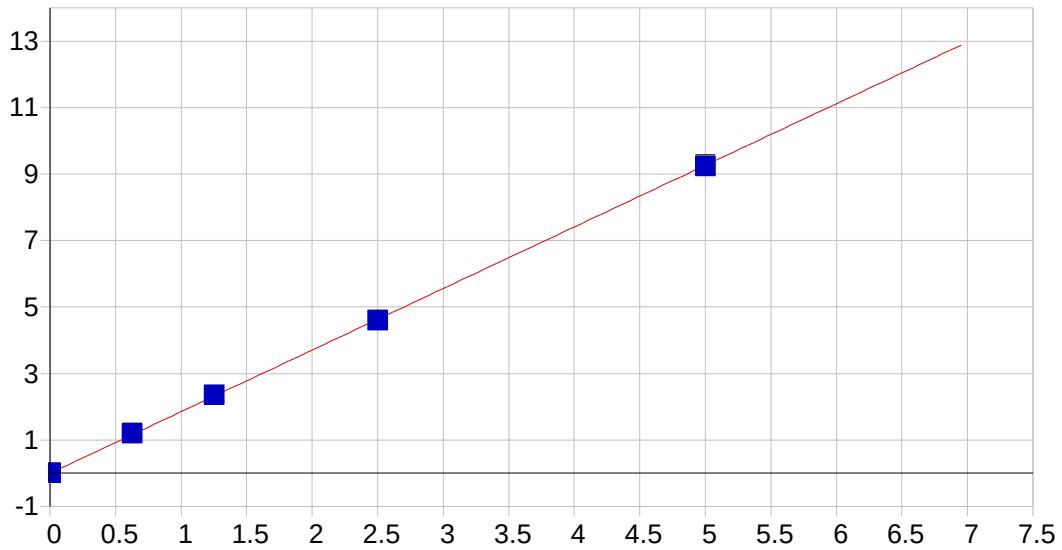
Be 234.861 {144}

Date of Fit: 1/23/2018 11:47:12      Type of Fit: Linear      Weighting: 1/Conc

|                   |           |                    |
|-------------------|-----------|--------------------|
| A0 (Offset):      | -0.001577 | Re-Slope: 1.000000 |
| A1 (Gain):        | 2.961281  | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000  |                    |
| n (Exponent):     | 1.000000  |                    |
| Correlation:      | 0.999789  | Status: OK.        |
| Std Error of Est: | 0.000227  |                    |
| Predicted MDL:    | 0.000089  |                    |
| Predicted MQL:    | 0.000297  |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00158 | .000    | 1        |
| S1        | .00500       | .00559      | .001       | 11.8    | .01497  | .000    | 1        |
| S2        | .12500       | .13230      | .007       | 5.84    | .38859  | .004    | 1        |
| S3        | .25000       | .25551      | .006       | 2.20    | .75182  | .002    | 1        |
| S4        | .50000       | .49151      | -.008      | -1.70   | 1.4474  | .009    | 1        |
| S5        | 1.0000       | .99509      | -.005      | -.491   | 2.9322  | .017    | 1        |



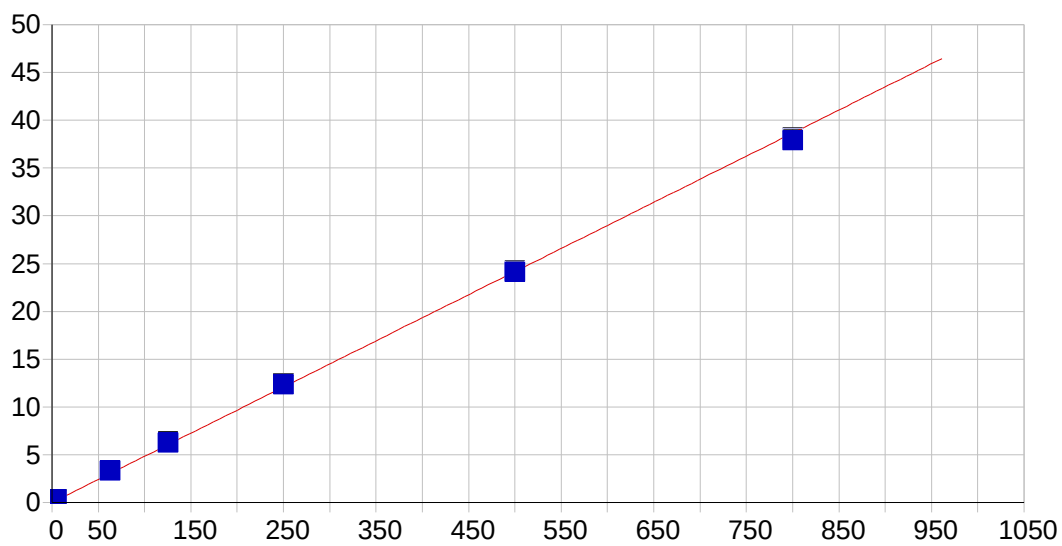


Cd 214.438 {457}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000448 Re-Slope: 1.000000  
 A1 (Gain): 1.852698 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999927 Status: OK.  
 Std Error of Est: 0.000189  
 Predicted MDL: 0.000095  
 Predicted MQL: 0.000317

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00045 | .000    | 1        |
| S1        | .00500       | .00495      | .000       | -1.00   | .00873  | .000    | 1        |
| S2        | .62500       | .64657      | .022       | 3.45    | 1.1998  | .004    | 1        |
| S3        | 1.2500       | 1.2711      | .021       | 1.69    | 2.3592  | .010    | 1        |
| S4        | 2.5000       | 2.4776      | -.022      | -.895   | 4.5993  | .005    | 1        |
| S5        | 5.0000       | 4.9798      | -.020      | -.404   | 9.2446  | .032    | 1        |

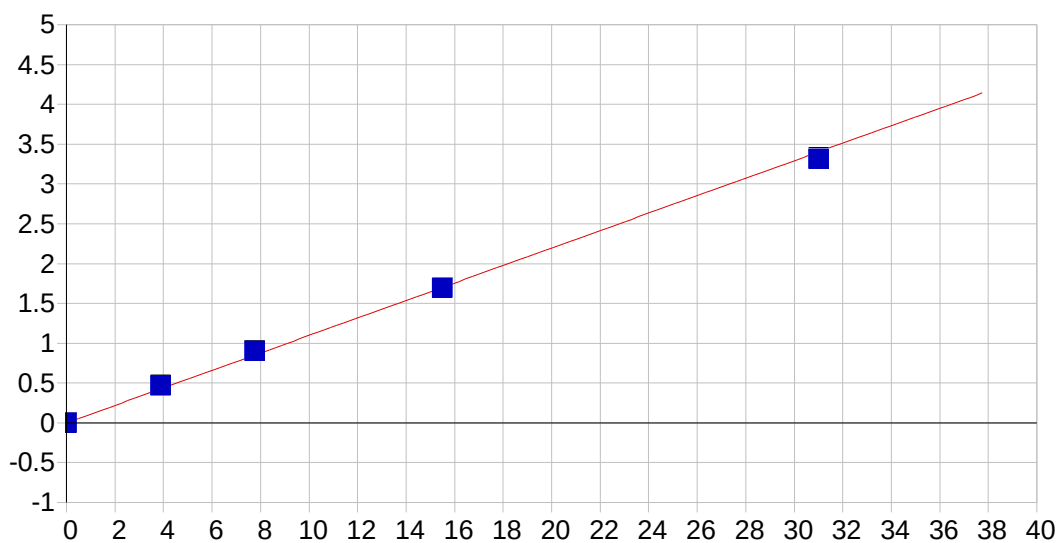


Ca 373.690 { 90}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001266 Re-Slope: 1.000000  
 A1 (Gain): 0.048320 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999646 Status: OK.  
 Std Error of Est: 0.004512  
 Predicted MDL: 0.009138  
 Predicted MQL: 0.030459

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00115     | -.001      | .000    | .00121 | .000    | 1        |
| S1        | 5.0000       | 5.4760      | .476       | 9.52    | .26590 | .001    | 1        |
| S2        | 62.500       | 68.656      | 6.16       | 9.85    | 3.3295 | .017    | 1        |
| S3        | 125.00       | 129.39      | 4.39       | 3.51    | 6.2748 | .084    | 1        |
| S4        | 250.00       | 255.60      | 5.60       | 2.24    | 12.395 | .077    | 1        |
| S5        | 500.00       | 499.28      | -.717      | -.143   | 24.213 | .053    | 1        |
| S6        | 800.00       | 784.14      | -15.9      | -1.98   | 38.120 | .039    | 1        |

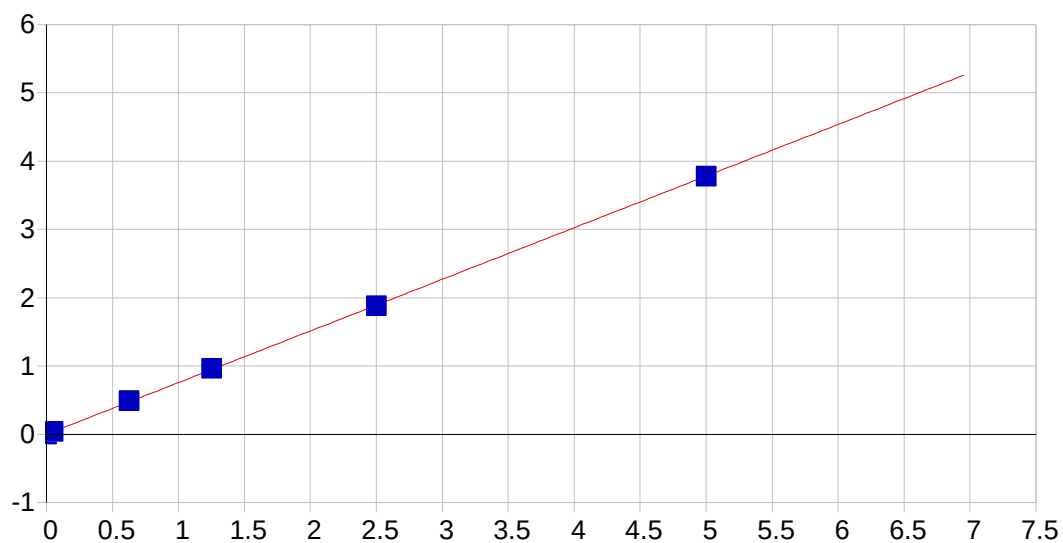


Cr 267.716 {126}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000023 Re-Slope: 1.000000  
 A1 (Gain): 0.109746 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999225 Status: OK.  
 Std Error of Est: 0.000128  
 Predicted MDL: 0.000579  
 Predicted MQL: 0.001931

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01000       | .01128      | .001       | 12.8    | .00122  | .000    | 1        |
| S2        | 3.8750       | 4.2860      | .411       | 10.6    | .47069  | .001    | 1        |
| S3        | 7.7500       | 8.1940      | .444       | 5.73    | .89991  | .009    | 1        |
| S4        | 15.500       | 15.452      | -.048      | -.312   | 1.6971  | .003    | 1        |
| S5        | 31.000       | 30.192      | -.808      | -2.61   | 3.3162  | .015    | 1        |

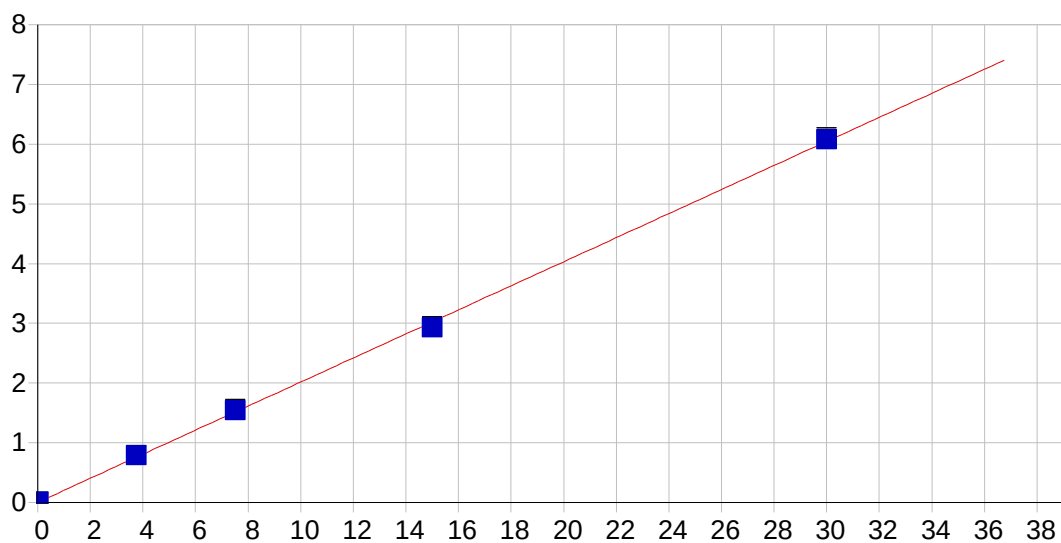


Co 228.616 {448}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000079 Re-Slope: 1.000000  
 A1 (Gain): 0.756461 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999936 Status: OK.  
 Std Error of Est: 0.000228  
 Predicted MDL: 0.000230  
 Predicted MQL: 0.000768

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00008 | .000    | 1        |
| S1        | .05000       | .04813      | -.002      | -3.73   | .03647  | .000    | 1        |
| S2        | .62500       | .64581      | .021       | 3.33    | .48939  | .002    | 1        |
| S3        | 1.2500       | 1.2667      | .017       | 1.33    | .95999  | .003    | 1        |
| S4        | 2.5000       | 2.4787      | -.021      | -.853   | 1.8787  | .002    | 1        |
| S5        | 5.0000       | 4.9857      | -.014      | -.286   | 3.7789  | .005    | 1        |

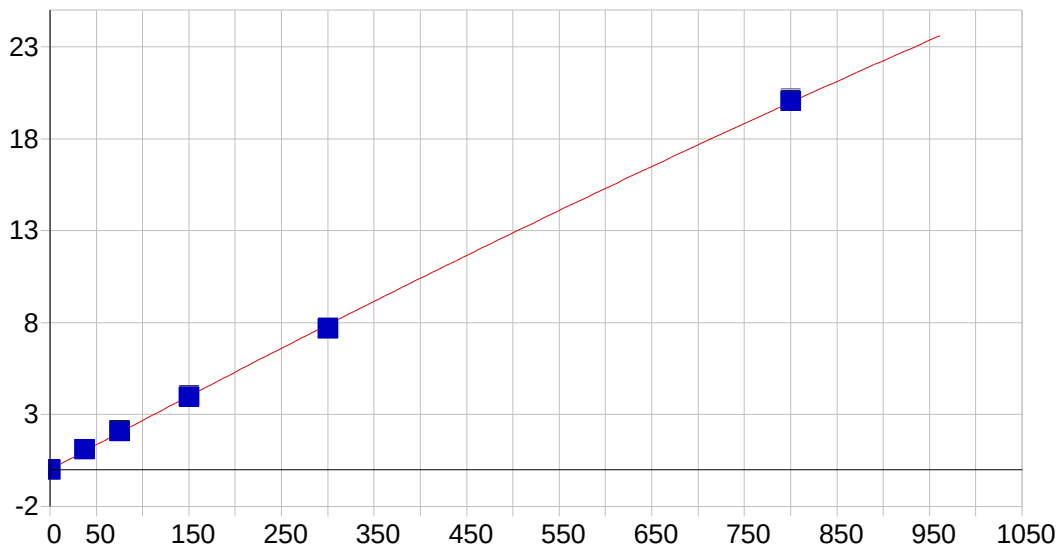


Cu 324.754 {104}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002408 Re-Slope: 1.000000  
 A1 (Gain): 0.201434 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999795 Status: OK.  
 Std Error of Est: 0.000187  
 Predicted MDL: 0.001411  
 Predicted MQL: 0.004703

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00241 | .000    | 1        |
| S1        | .02500       | .02662      | .002       | 6.47    | .00776 | .000    | 1        |
| S2        | 3.7500       | 3.8932      | .143       | 3.82    | .78616 | .006    | 1        |
| S3        | 7.5000       | 7.6504      | .150       | 2.01    | 1.5425 | .017    | 1        |
| S4        | 15.000       | 14.548      | -.452      | -3.02   | 2.9309 | .015    | 1        |
| S5        | 30.000       | 30.157      | .157       | .524    | 6.0733 | .030    | 1        |

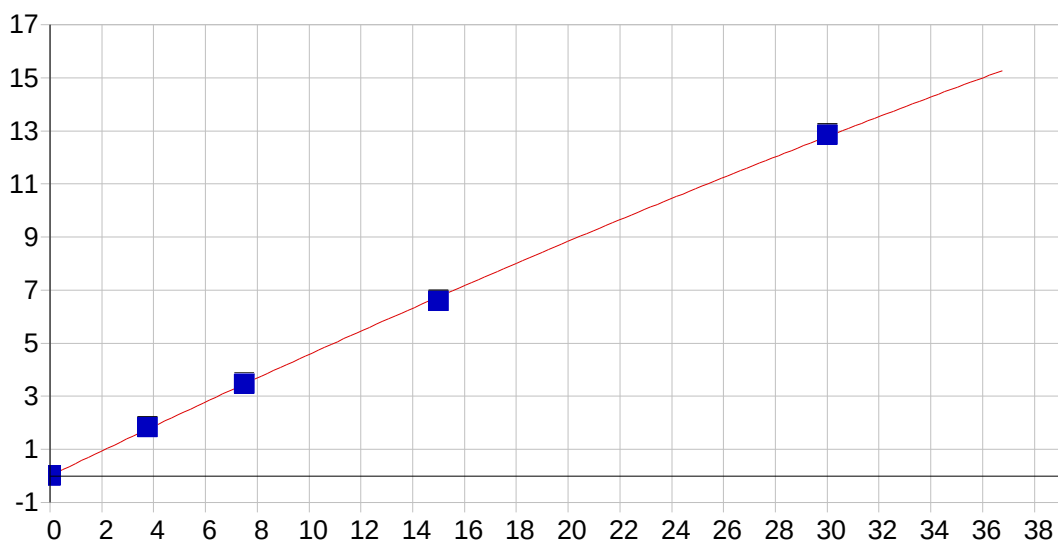


Fe 259.837 {130}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000049 Re-Slope: 1.000000  
 A1 (Gain): 0.027073 Y-int: 0.000000  
 A2 (Curvature): -0.000003  
 n (Exponent): 1.000000  
 Correlation: 0.999756 Status: OK.  
 Std Error of Est: 0.000278  
 Predicted MDL: 0.006405  
 Predicted MQL: 0.021349

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | .00005 | .000    | 1        |
| S1        | .10000       | .11429      | .014       | 14.3    | .00320 | .000    | 1        |
| S2        | 37.500       | 40.917      | 3.42       | 9.11    | 1.1088 | .008    | 1        |
| S3        | 75.000       | 77.537      | 2.54       | 3.38    | 2.0943 | .020    | 1        |
| S4        | 150.00       | 149.09      | -.910      | -.607   | 3.9998 | .017    | 1        |
| S5        | 300.00       | 291.87      | -8.13      | -2.71   | 7.7220 | .015    | 1        |
| S6        | 800.00       | 803.13      | 3.13       | .392    | 20.151 | .016    | 1        |

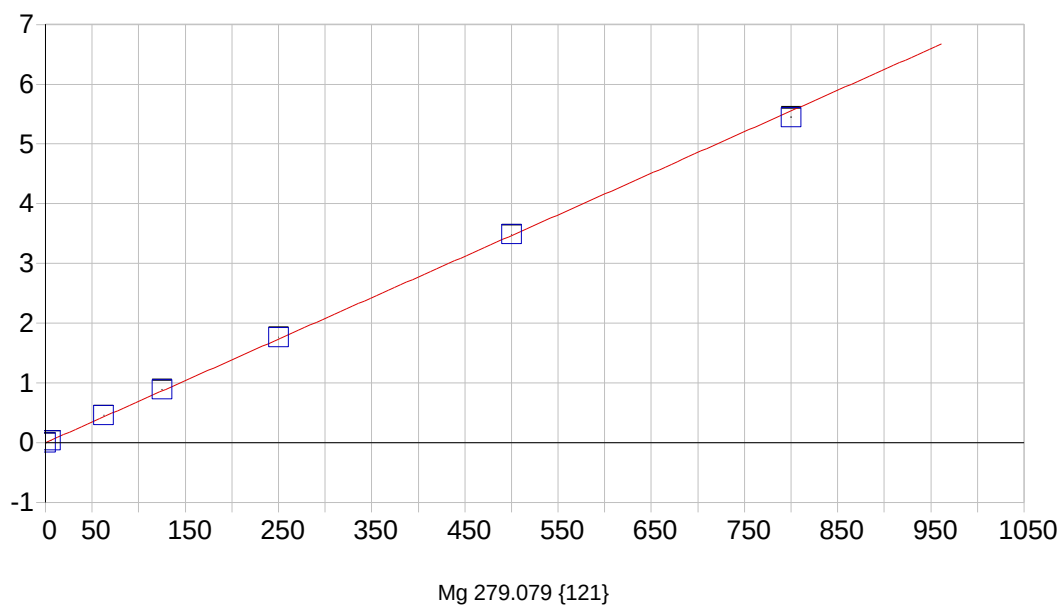


Mn 257.610 {131}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): 0.000016 Re-Slope: 1.000000  
 A1 (Gain): 0.473601 Y-int: 0.000000  
 A2 (Curvature): -0.001581  
 n (Exponent): 1.000000  
 Correlation: 0.999838 Status: OK.  
 Std Error of Est: 0.000325  
 Predicted MDL: 0.000364  
 Predicted MQL: 0.001215

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00002 | .000    | 1        |
| S1        | .01500       | .01552      | .001       | 3.46    | .00737 | .000    | 1        |
| S2        | 3.7500       | 3.9244      | .174       | 4.65    | 1.8347 | .012    | 1        |
| S3        | 7.5000       | 7.5230      | .023       | .307    | 3.4742 | .040    | 1        |
| S4        | 15.000       | 14.632      | -.368      | -2.45   | 6.5931 | .025    | 1        |
| S5        | 30.000       | 30.174      | .174       | .579    | 12.854 | .027    | 1        |



Date of Fit: 1/23/2018 11:47:12

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000147

Re-Slope: 1.000000

A1 (Gain): 0.006939

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999791

Status: OK.

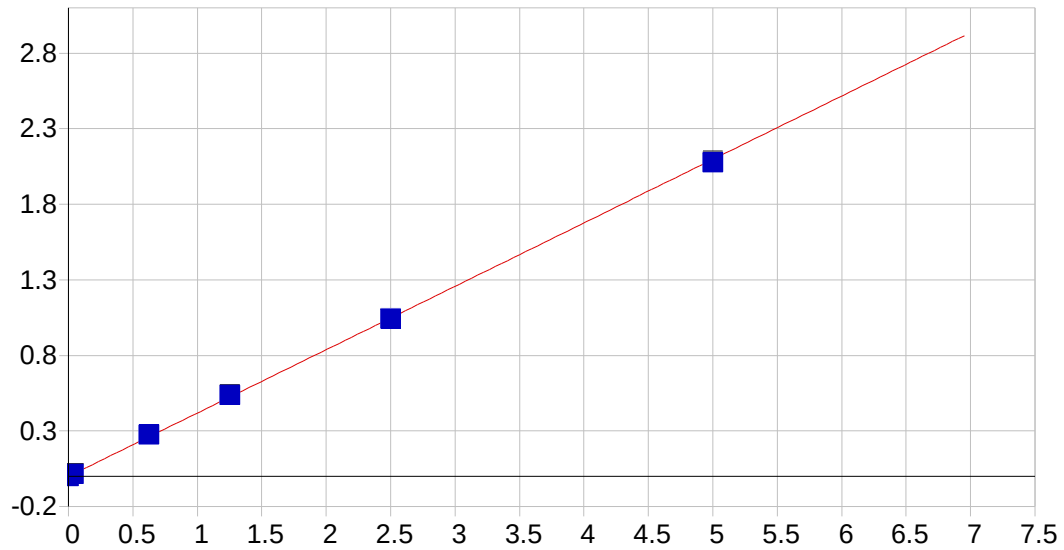
Std Error of Est: 0.000495

Predicted MDL: 0.025277

Predicted MQL: 0.084257

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00065     | -.001      | .000    | -.00015 | .000    | 1        |
| S1        | 5.0000       | 5.1719      | .172       | 3.44    | .03574  | .000    | 1        |
| S2        | 62.500       | 66.321      | 3.82       | 6.11    | .46004  | .003    | 1        |
| S3        | 125.00       | 128.84      | 3.84       | 3.07    | .89385  | .008    | 1        |
| S4        | 250.00       | 254.59      | 4.59       | 1.84    | 1.7664  | .007    | 1        |
| S5        | 500.00       | 502.38      | 2.38       | .476    | 3.4858  | .007    | 1        |
| S6        | 800.00       | 785.20      | -14.8      | -1.85   | 5.4482  | .015    | 1        |



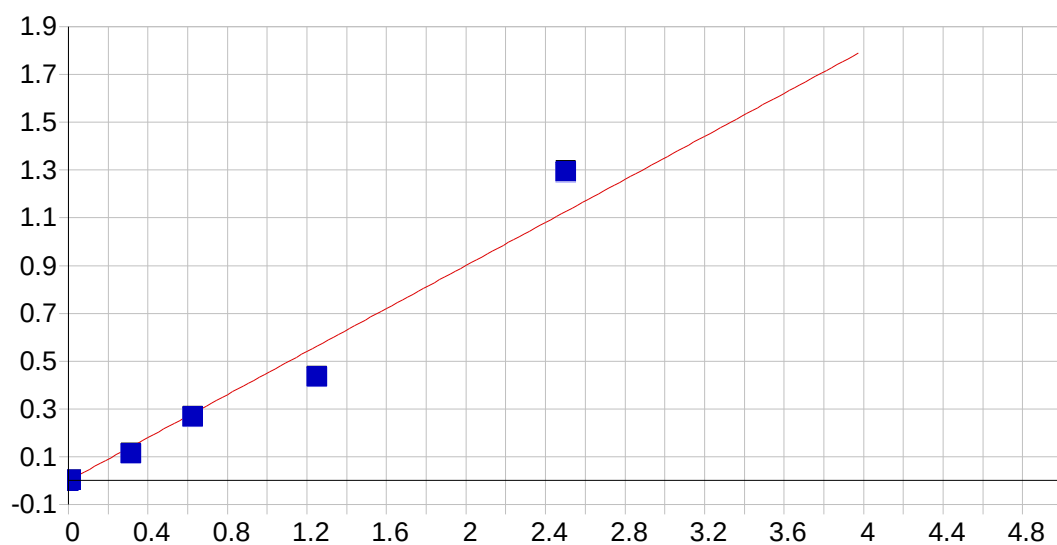


Ni 231.604 {446}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000911 Re-Slope: 1.000000  
 A1 (Gain): 0.419490 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999846 Status: OK.  
 Std Error of Est: 0.000175  
 Predicted MDL: 0.000424  
 Predicted MQL: 0.001415

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00091 | .000    | 1        |
| S1        | .04000       | .04015      | .000       | .381    | .01594  | .000    | 1        |
| S2        | .62500       | .65663      | .032       | 5.06    | .27508  | .001    | 1        |
| S3        | 1.2500       | 1.2809      | .031       | 2.47    | .53750  | .002    | 1        |
| S4        | 2.5000       | 2.4844      | -.016      | -.622   | 1.0434  | .001    | 1        |
| S5        | 5.0000       | 4.9529      | -.047      | -.943   | 2.0811  | .005    | 1        |

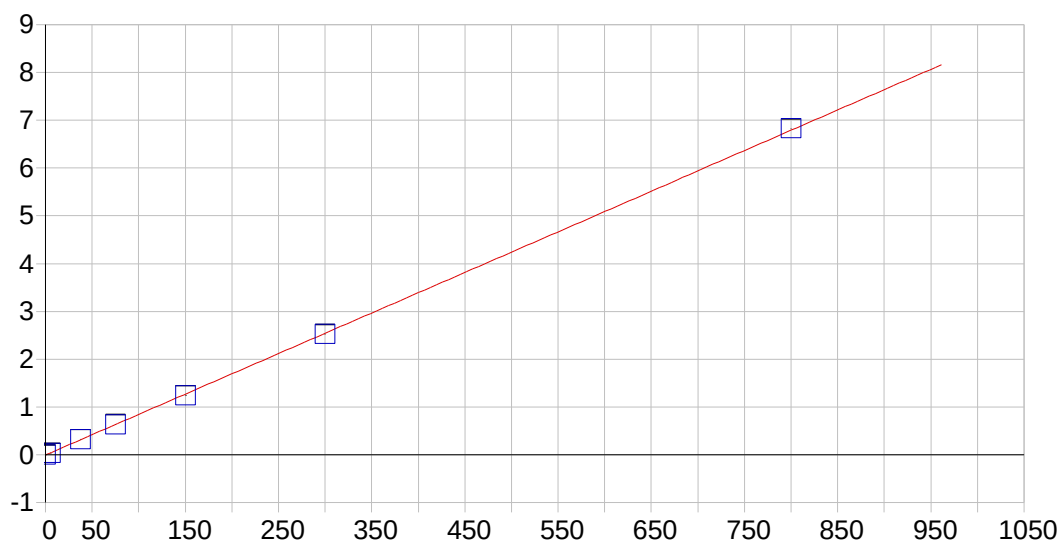


Ag 328.068 {103}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000183 Re-Slope: 1.000000  
 A1 (Gain): 0.450282 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.986037 Status: OK.  
 Std Error of Est: 0.000634  
 Predicted MDL: 0.000263  
 Predicted MQL: 0.000878

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00018 | .000    | 1        |
| S1        | .01000       | .00884      | -.001      | -11.6   | .00377  | .000    | 1        |
| S2        | .31250       | .25353      | -.059      | -18.9   | .11302  | .001    | 1        |
| S3        | .62500       | .59260      | -.032      | -5.18   | .26473  | .003    | 1        |
| S4        | 1.2500       | .96869      | -.281      | -22.5   | .43216  | .000    | 1        |
| S5        | 2.5000       | 2.8738      | .374       | 15.0    | 1.2862  | .005    | 1        |



Na 818.326 { 41}

Date of Fit: 1/23/2018 11:47:12

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.005734

Re-Slope: 1.000000

A1 (Gain): 0.008493

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999940

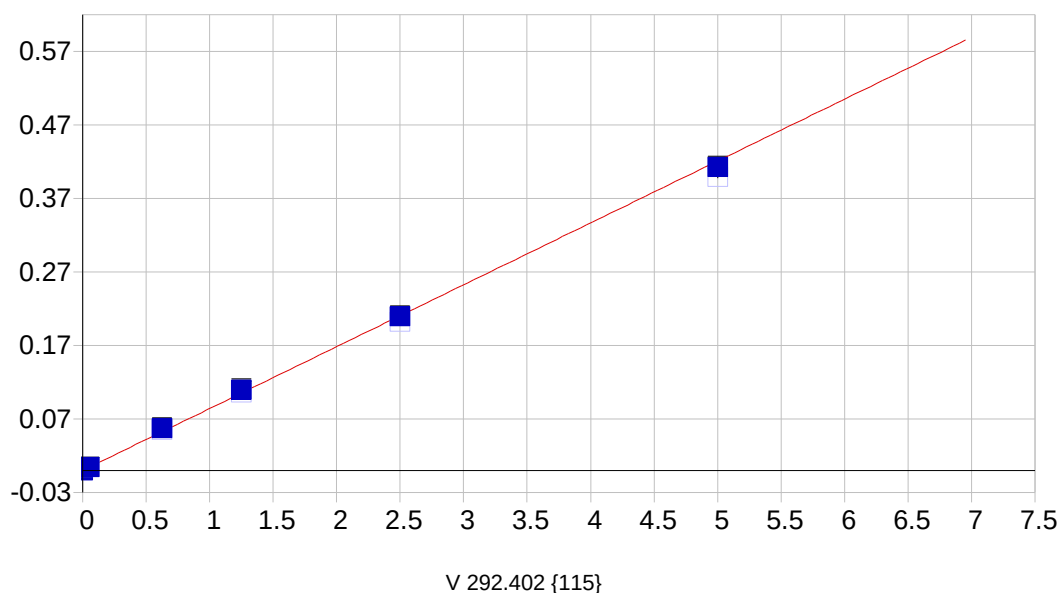
Status: OK.

Std Error of Est: 0.000288

Predicted MDL: 0.128880

Predicted MQL: 0.429599

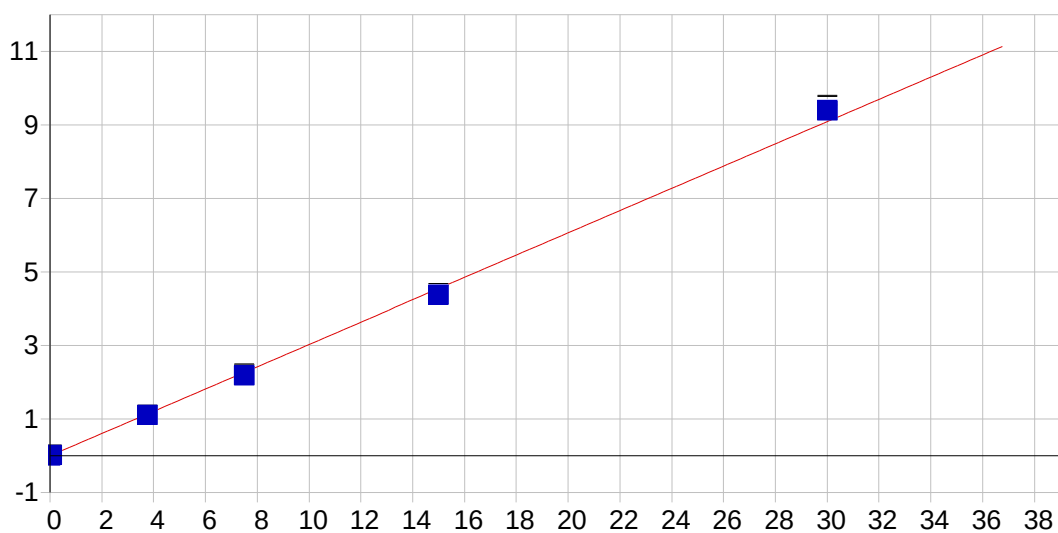
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00006      | .000       | .000    | -.00573 | .001    | 1        |
| S1        | 5.0000       | 4.8744      | -.126      | -2.51   | .03567  | .001    | 1        |
| S2        | 37.500       | 38.701      | 1.20       | 3.20    | .32297  | .003    | 1        |
| S3        | 75.000       | 75.524      | .524       | .698    | .63572  | .006    | 1        |
| S4        | 150.00       | 146.68      | -3.32      | -2.21   | 1.2401  | .003    | 1        |
| S5        | 300.00       | 297.42      | -2.58      | -.861   | 2.5204  | .004    | 1        |
| S6        | 800.00       | 804.31      | 4.31       | .538    | 6.8256  | .004    | 1        |



Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000059 Re-Slope: 1.000000  
 A1 (Gain): 0.084190 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999499 Status: OK.  
 Std Error of Est: 0.000069  
 Predicted MDL: 0.002314  
 Predicted MQL: 0.007713

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00006 | .000    | 1        |
| S1        | .05000       | .05366      | .004       | 7.32    | .00445  | .000    | 1        |
| S2        | .62500       | .67929      | .054       | 8.69    | .05539  | .001    | 1        |
| S3        | 1.2500       | 1.2997      | .050       | 3.97    | .10589  | .001    | 1        |
| S4        | 2.5000       | 2.4878      | -.012      | -.487   | .20245  | .001    | 1        |
| S5        | 5.0000       | 4.9044      | -.096      | -1.91   | .39896  | .001    | 1        |

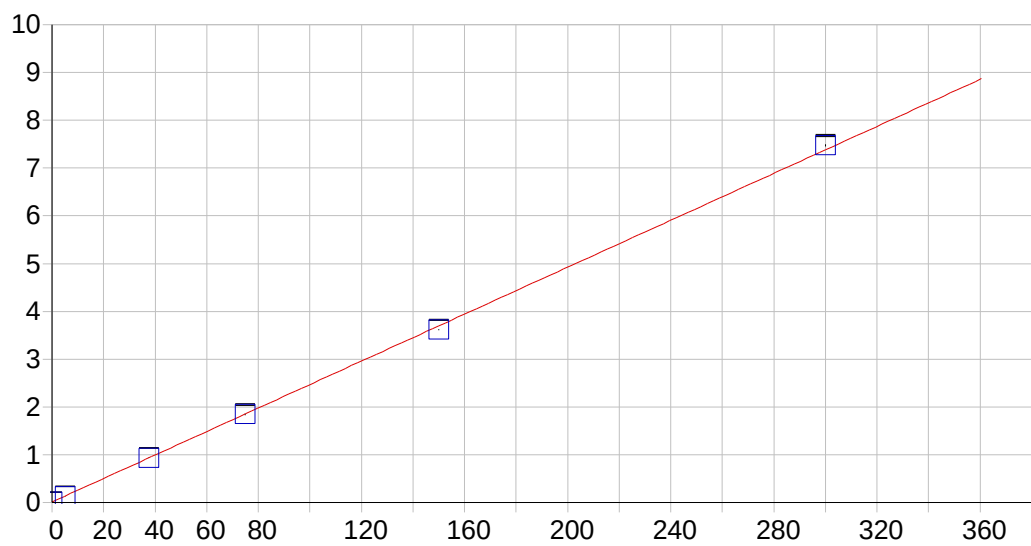


Zn 213.856 {158}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000202 Re-Slope: 1.000000  
 A1 (Gain): 0.303096 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999388 Status: OK.  
 Std Error of Est: 0.000757  
 Predicted MDL: 0.002674  
 Predicted MQL: 0.008914

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00020 | .001    | 1        |
| S1        | .06000       | .05455      | -.005      | -9.09   | .01680 | .001    | 1        |
| S2        | 3.7500       | 3.6205      | -.130      | -3.45   | 1.1006 | .010    | 1        |
| S3        | 7.5000       | 7.2100      | -.290      | -3.87   | 2.1917 | .036    | 1        |
| S4        | 15.000       | 14.441      | -.559      | -3.73   | 4.3894 | .022    | 1        |
| S5        | 30.000       | 30.984      | .984       | 3.28    | 9.4160 | .117    | 1        |

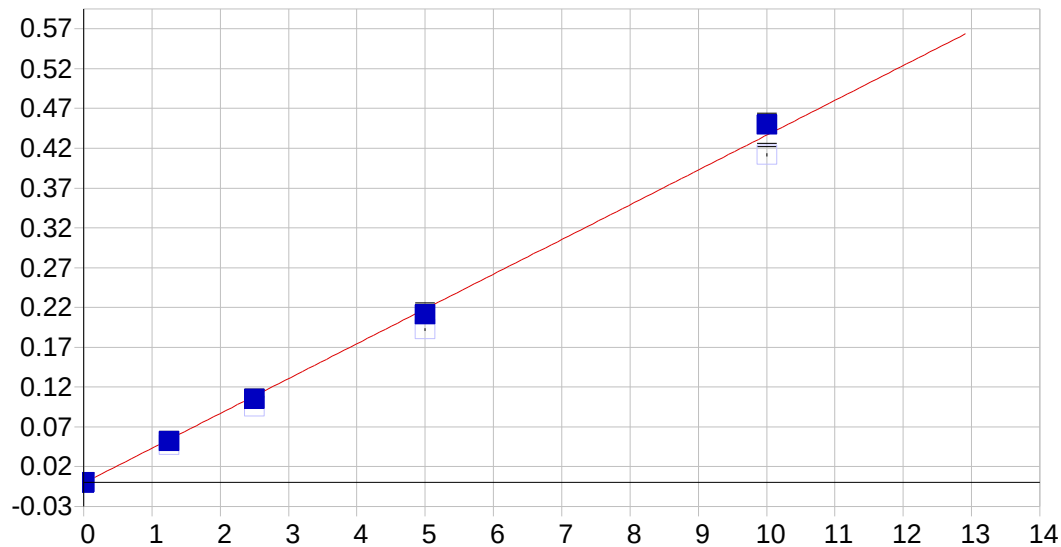


K 769.896 { 44}

Date of Fit: 1/23/2018 11:47:12      Type of Fit: Linear      Weighting: 1/Conc

|                   |          |                    |
|-------------------|----------|--------------------|
| A0 (Offset):      | 0.011299 | Re-Slope: 1.000000 |
| A1 (Gain):        | 0.024566 | Y-int: 0.000000    |
| A2 (Curvature):   | 0.000000 |                    |
| n (Exponent):     | 1.000000 |                    |
| Correlation:      | 0.999890 | Status: OK.        |
| Std Error of Est: | 0.000751 |                    |
| Predicted MDL:    | 0.037675 |                    |
| Predicted MQL:    | 0.125582 |                    |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00020      | .000       | .000    | .01130 | .000    | 1        |
| S1        | 5.0000       | 4.8632      | -.137      | -2.74   | .13077 | .002    | 1        |
| S2        | 37.500       | 37.564      | .064       | .169    | .93407 | .009    | 1        |
| S3        | 75.000       | 74.747      | -.253      | -.337   | 1.8475 | .017    | 1        |
| S4        | 150.00       | 146.65      | -3.35      | -2.24   | 3.6138 | .014    | 1        |
| S5        | 300.00       | 303.68      | 3.68       | 1.23    | 7.4714 | .025    | 1        |

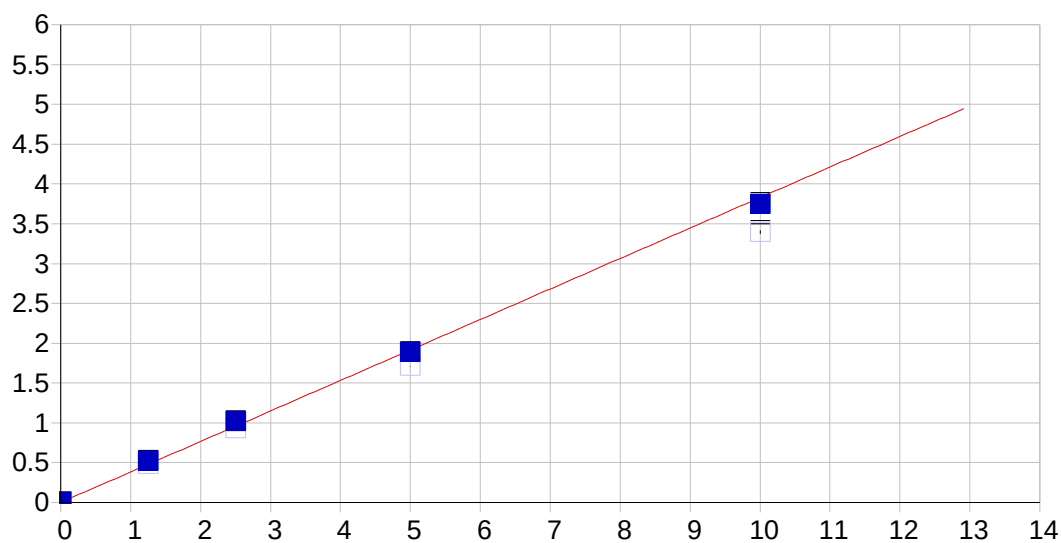


P 177.495 {490}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000539 Re-Slope: 1.000000  
 A1 (Gain): 0.043704 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999369 Status: OK.  
 Std Error of Est: 0.000024  
 Predicted MDL: 0.002113  
 Predicted MQL: 0.007043

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00054 | .000    | 1        |
| S1        | .01000       | .01280      | .003       | 28.0    | -.00001 | .000    | 1        |
| S2        | 1.2500       | 1.1948      | -.055      | -4.42   | .04697  | .000    | 1        |
| S3        | 2.5000       | 2.4108      | -.089      | -3.57   | .09540  | .000    | 1        |
| S4        | 5.0000       | 4.8468      | -.153      | -3.06   | .19244  | .002    | 1        |
| S5        | 10.000       | 10.295      | .295       | 2.95    | .41169  | .002    | 1        |



Date of Fit: 1/23/2018 11:47:12

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000578

Re-Slope: 1.000000

A1 (Gain): 0.382939

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999105

Status: OK.

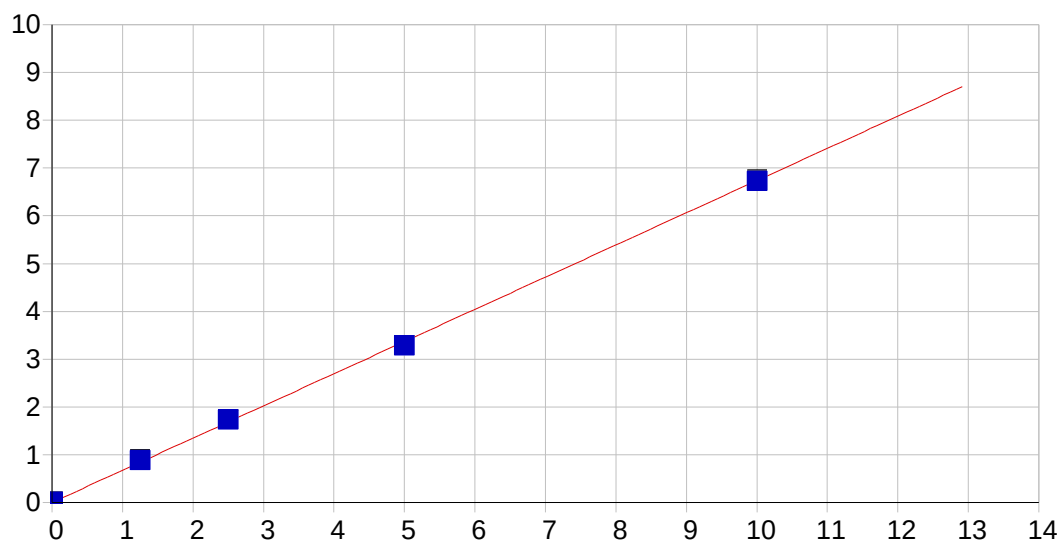
Std Error of Est: 0.000247

Predicted MDL: 0.000820

Predicted MQL: 0.002732

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00058 | .000    | 1        |
| S1        | .01000       | .01008      | .000       | .835    | .00434 | .000    | 1        |
| S2        | 1.2500       | 1.3685      | .118       | 9.48    | .48054 | .004    | 1        |
| S3        | 2.5000       | 2.6652      | .165       | 6.61    | .93302 | .005    | 1        |
| S4        | 5.0000       | 4.9317      | -.068      | -1.37   | 1.7127 | .004    | 1        |
| S5        | 10.000       | 9.7845      | -.215      | -2.15   | 3.3947 | .019    | 1        |



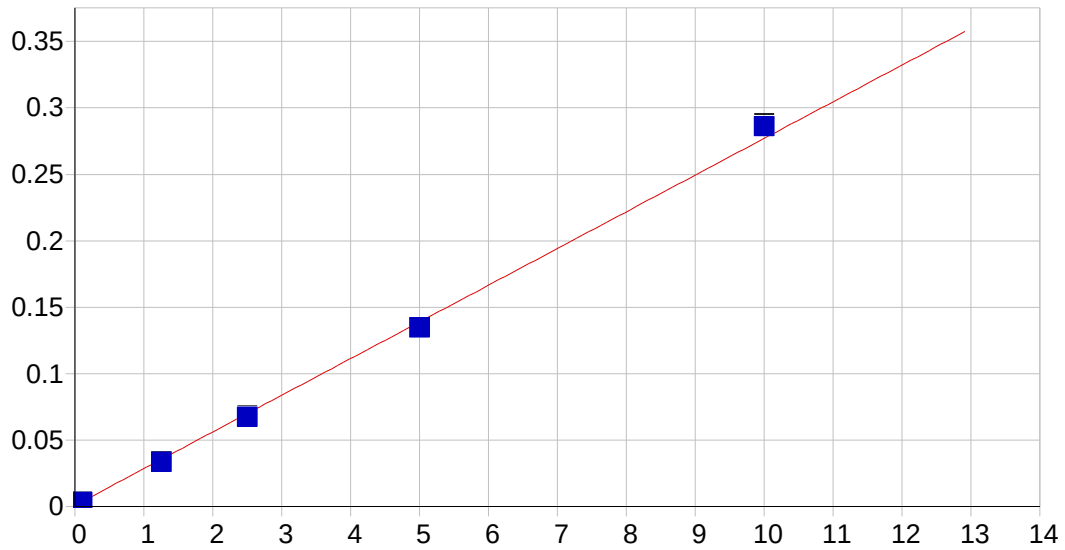


Mo 202.030 {467}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000268 Re-Slope: 1.000000  
 A1 (Gain): 0.673720 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999762 Status: OK.  
 Std Error of Est: 0.000246  
 Predicted MDL: 0.000305  
 Predicted MQL: 0.001018

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00027 | .000    | 1        |
| S1        | .01000       | .01064      | .001       | 6.41    | .00743 | .000    | 1        |
| S2        | 1.2500       | 1.3188      | .069       | 5.50    | .88872 | .007    | 1        |
| S3        | 2.5000       | 2.5687      | .069       | 2.75    | 1.7308 | .004    | 1        |
| S4        | 5.0000       | 4.8735      | -.127      | -2.53   | 3.2835 | .003    | 1        |
| S5        | 10.000       | 9.9884      | -.012      | -.116   | 6.7294 | .016    | 1        |

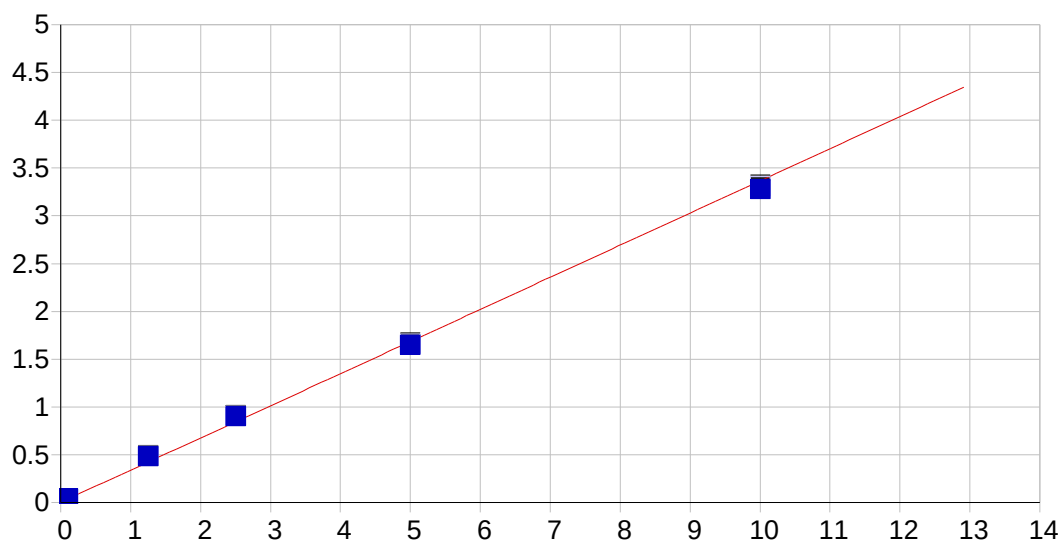


S 182.034 {485}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000839 Re-Slope: 1.000000  
 A1 (Gain): 0.027618 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999303 Status: OK.  
 Std Error of Est: 0.000055  
 Predicted MDL: 0.003610  
 Predicted MQL: 0.012034

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .00084 | .000    | 1        |
| S1        | .10000       | .08226      | -.018      | -17.7   | .00311 | .000    | 1        |
| S2        | 1.2500       | 1.1785      | -.072      | -5.72   | .03340 | .000    | 1        |
| S3        | 2.5000       | 2.4133      | -.087      | -3.47   | .06751 | .001    | 1        |
| S4        | 5.0000       | 4.8427      | -.157      | -3.15   | .13463 | .000    | 1        |
| S5        | 10.000       | 10.333      | .333       | 3.33    | .28632 | .002    | 1        |

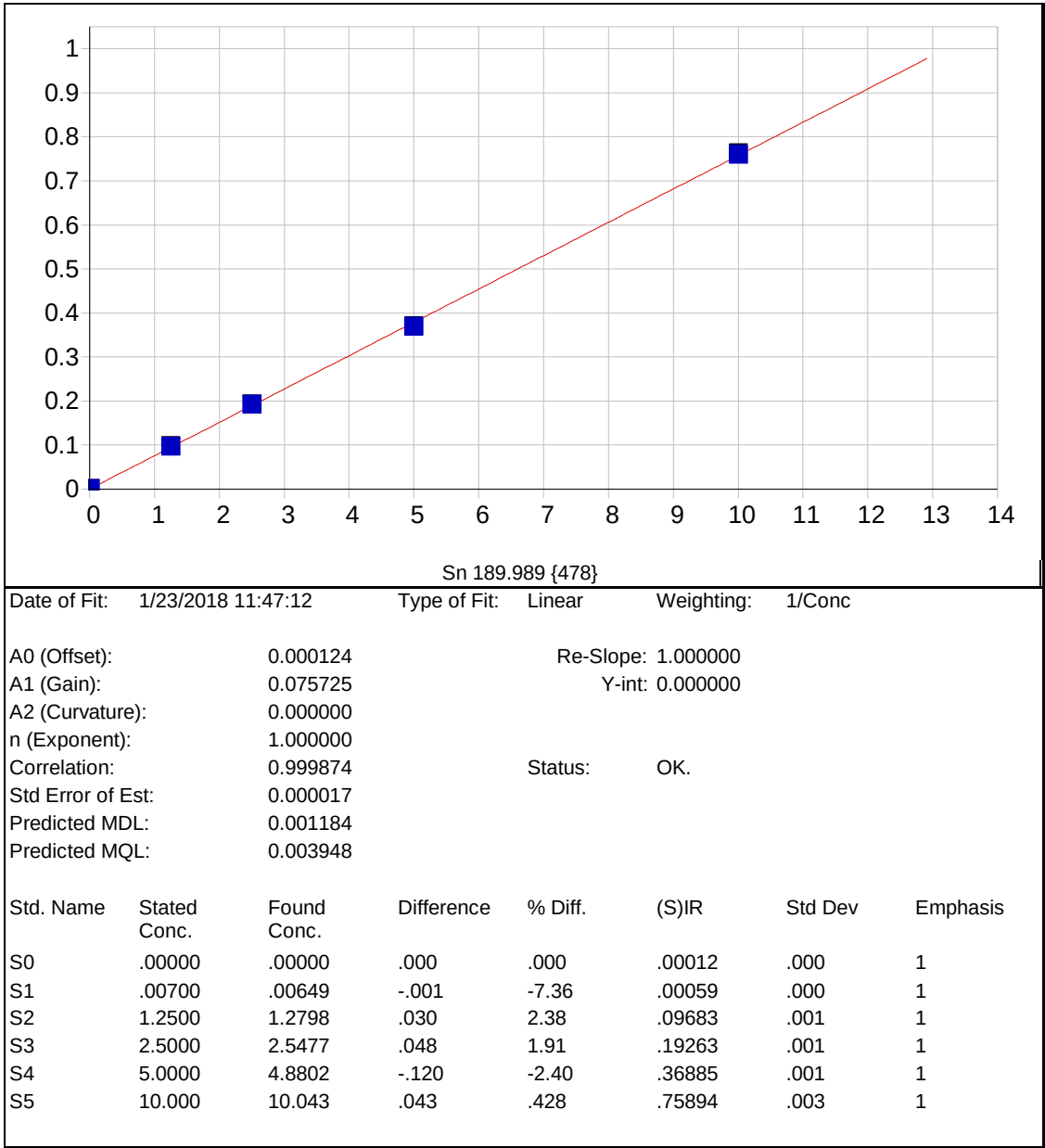


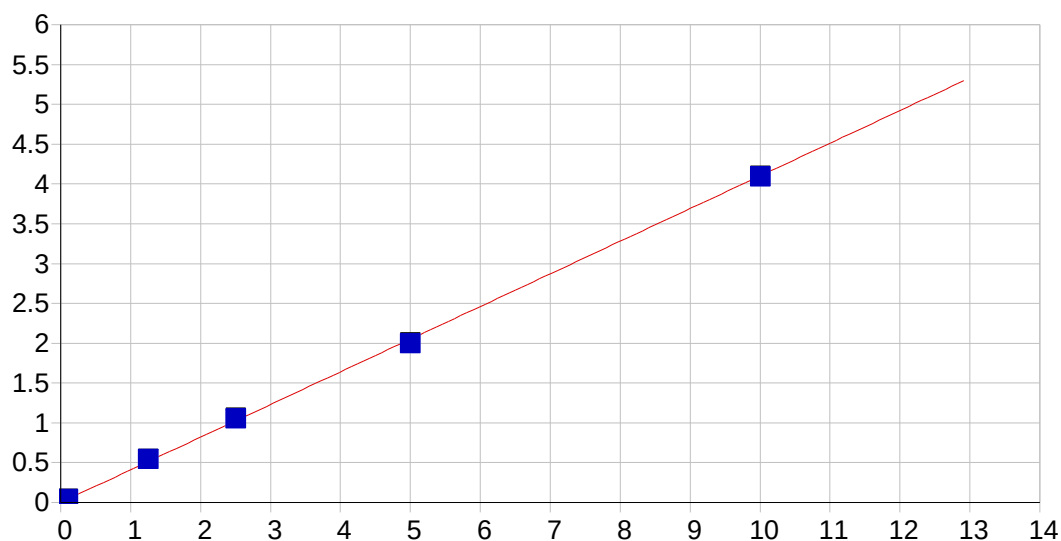
Si 251.611 {134}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001782 Re-Slope: 1.000000  
 A1 (Gain): 0.336377 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998768 Status: OK.  
 Std Error of Est: 0.000895  
 Predicted MDL: 0.000949  
 Predicted MQL: 0.003164

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | .00177 | .000    | 1        |
| S1        | .10000       | .10663      | .007       | 6.63    | .03777 | .000    | 1        |
| S2        | 1.2500       | 1.4302      | .180       | 14.4    | .48633 | .005    | 1        |
| S3        | 2.5000       | 2.6741      | .174       | 6.97    | .90819 | .003    | 1        |
| S4        | 5.0000       | 4.8915      | -.109      | -2.17   | 1.6610 | .009    | 1        |
| S5        | 10.000       | 9.7476      | -.252      | -2.52   | 3.3082 | .016    | 1        |



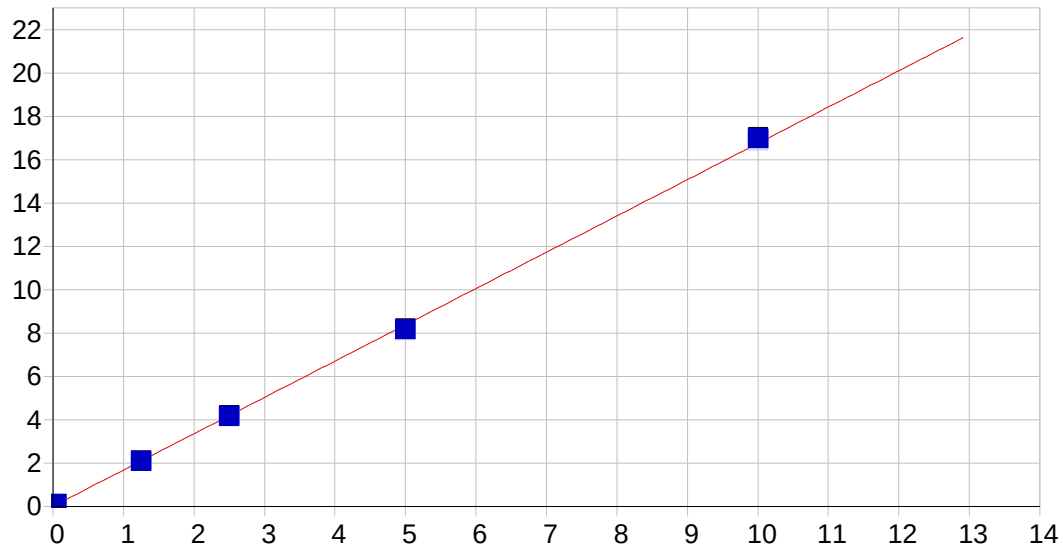


Ti 336.121 {100}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000207 Re-Slope: 1.000000  
 A1 (Gain): 0.410116 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999736 Status: OK.  
 Std Error of Est: 0.000501  
 Predicted MDL: 0.000774  
 Predicted MQL: 0.002579

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00020 | .000    | 1        |
| S1        | .10000       | .10092      | .001       | .918    | .04158 | .000    | 1        |
| S2        | 1.2500       | 1.3257      | .076       | 6.05    | .54369 | .004    | 1        |
| S3        | 2.5000       | 2.5740      | .074       | 2.96    | 1.0554 | .007    | 1        |
| S4        | 5.0000       | 4.8751      | -.125      | -2.50   | 1.9988 | .005    | 1        |
| S5        | 10.000       | 9.9743      | -.026      | -.257   | 4.0893 | .008    | 1        |

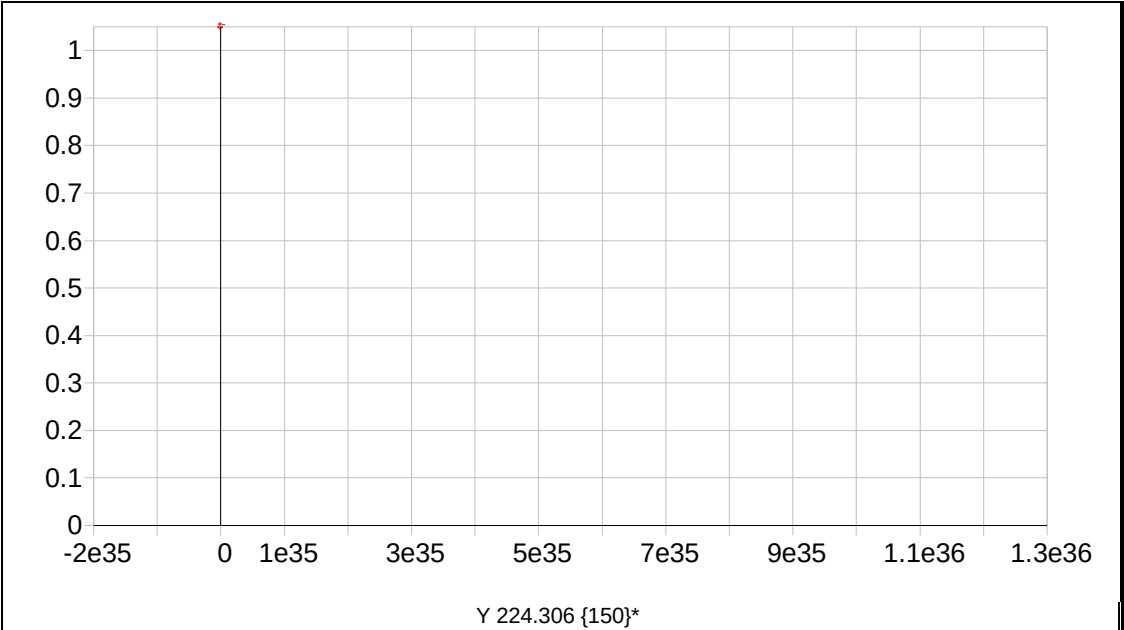


Li 670.784 { 50}

Date of Fit: 1/23/2018 11:47:12 Type of Fit: Linear Weighting: 1/Conc

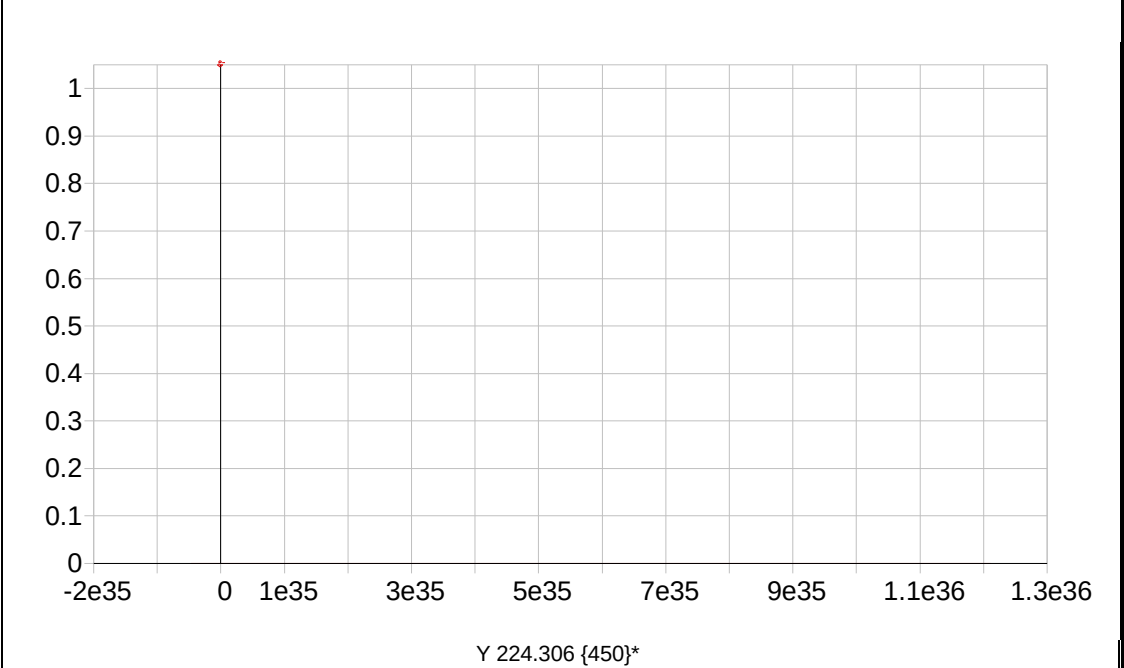
A0 (Offset): 0.009837 Re-Slope: 1.000000  
 A1 (Gain): 1.673907 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999870 Status: OK.  
 Std Error of Est: 0.001008  
 Predicted MDL: 0.000598  
 Predicted MQL: 0.001994

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00984 | .000    | 1        |
| S5        | 10.000       | 10.133      | .133       | 1.33    | 16.878 | .050    | 1        |
| S4        | 5.0000       | 4.8800      | -.120      | -2.40   | 8.1314 | .032    | 1        |
| S3        | 2.5000       | 2.4842      | -.016      | -.634   | 4.1446 | .025    | 1        |
| S2        | 1.2500       | 1.2543      | .004       | .348    | 2.0977 | .007    | 1        |
| S1        | .05000       | .04816      | -.002      | -3.68   | .09028 | .001    | 1        |

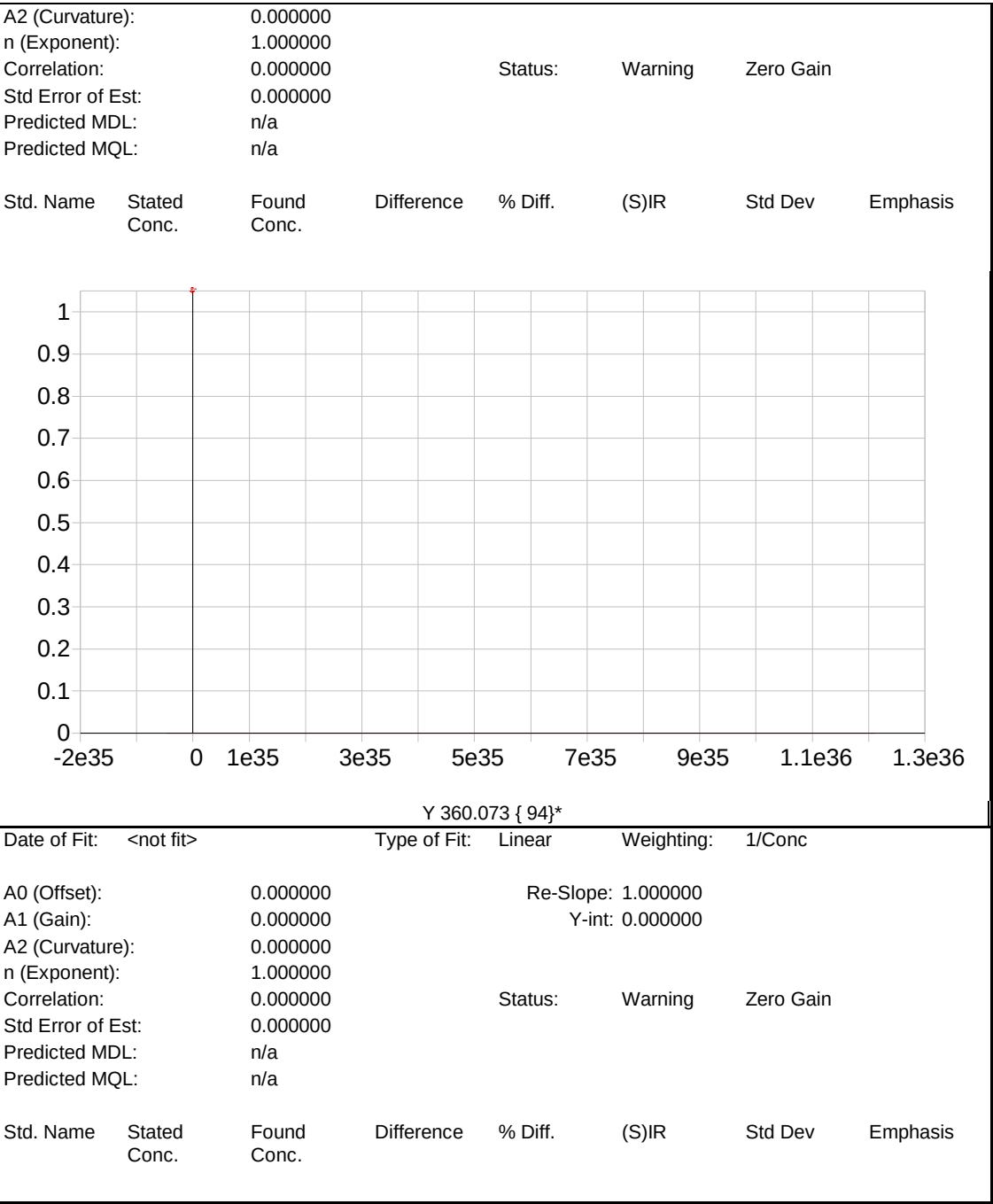


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

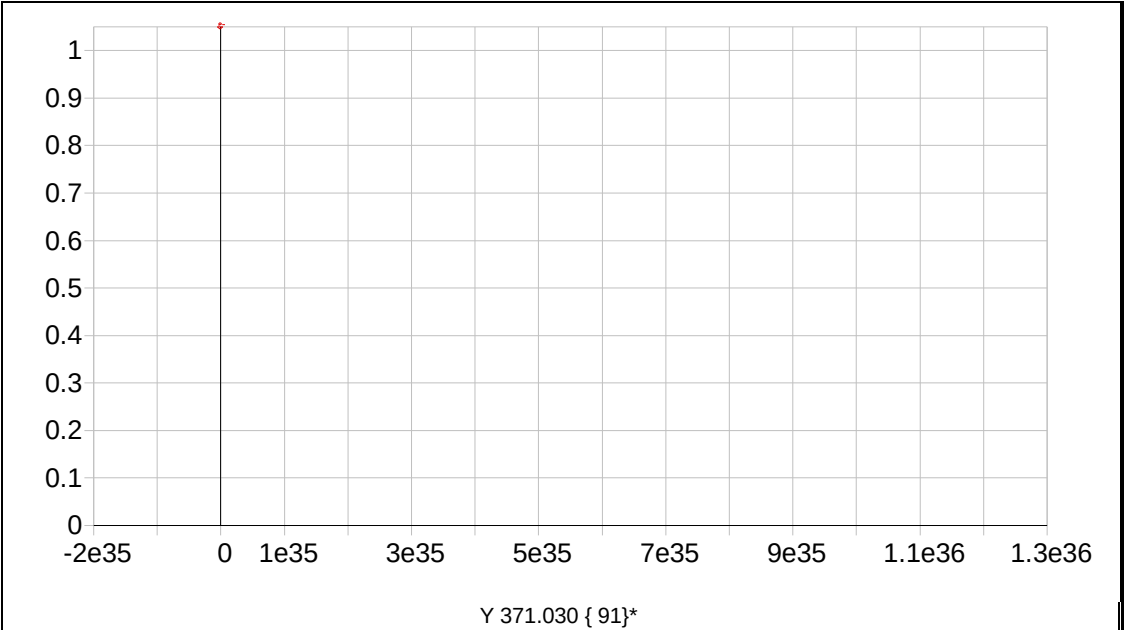
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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

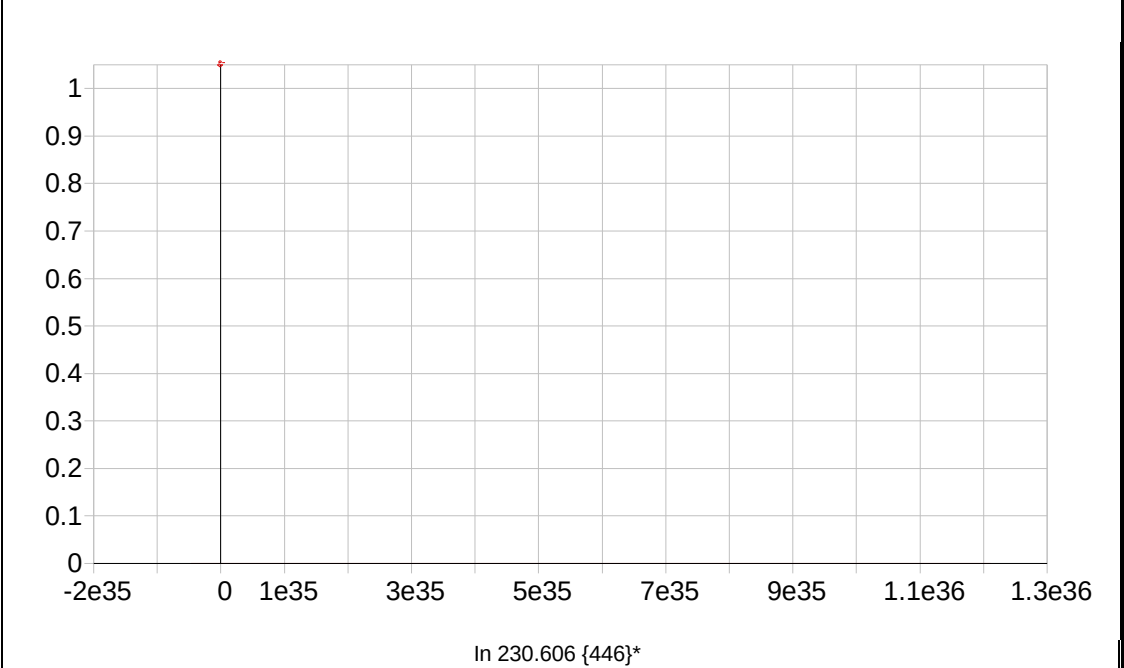




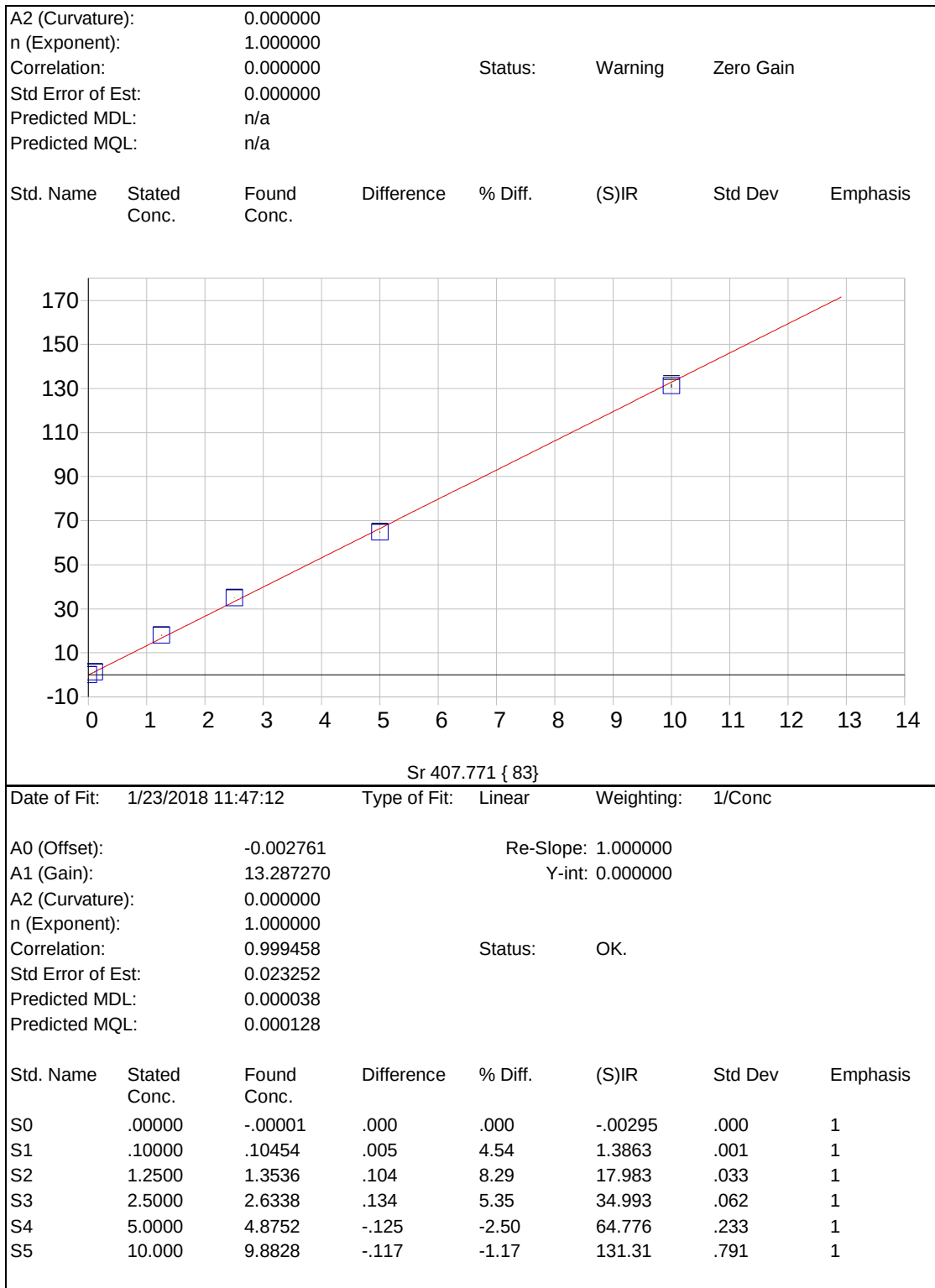


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

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



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



Sample Name: S0      Acquired: 1/23/2018 11:09:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | -.00024 | -.00006 | -.00029 | .00022 | -.00013 | -.00015 | -.02730 | -.00158 |
| Stddev | .00007  | .00001  | .00005  | .00008 | .00015  | .00020  | .00036  | .00018  |
| %RSD   | 28.212  | 10.094  | 17.609  | 34.983 | 115.99  | 137.50  | 1.3052  | 11.110  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00017 | -.00007 | -.00029 | .00024 | -.00006 | -.00032 | -.02769 | -.00139 |
| #2 | -.00030 | -.00006 | -.00034 | .00014 | -.00003 | -.00020 | -.02722 | -.00173 |
| #3 | -.00026 | -.00007 | -.00024 | .00029 | -.00030 | .00008  | -.02699 | -.00162 |

|        |         |        |         |         |        |        |        |         |
|--------|---------|--------|---------|---------|--------|--------|--------|---------|
| 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    | -.00045 | .00121 | -.00002 | -.00008 | .00241 | .00005 | .00002 | -.00015 |
| Stddev | .00009  | .00049 | .00003  | .00008  | .00005 | .00012 | .00013 | .00011  |
| %RSD   | 20.288  | 40.606 | 108.76  | 96.709  | 1.8889 | 243.36 | 883.68 | 70.833  |

|    |         |        |         |         |        |         |         |         |
|----|---------|--------|---------|---------|--------|---------|---------|---------|
| #1 | -.00035 | .00085 | -.00005 | -.00003 | .00237 | -.00002 | .00001  | -.00021 |
| #2 | -.00046 | .00177 | .00000  | -.00017 | .00239 | .00019  | -.00012 | -.00021 |
| #3 | -.00053 | .00101 | -.00002 | -.00004 | .00246 | -.00002 | .00015  | -.00003 |

|        |         |         |         |         |        |         |         |         |
|--------|---------|---------|---------|---------|--------|---------|---------|---------|
| 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    | -.00091 | -.00018 | -.00573 | -.00006 | .00020 | .01130  | -.00054 | .00058  |
| Stddev | .00017  | .00006  | .00077  | .00011  | .00141 | .00014  | .00002  | .00007  |
| %RSD   | 19.084  | 31.016  | 13.486  | 179.59  | 688.02 | 1.2716  | 3.5174  | 11.932  |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00071 | -.00016 | -.00655 | -.00004 | .00093  | .01114 | -.00056 | .00062 |
| #2 | -.00103 | -.00014 | -.00564 | -.00018 | -.00142 | .01135 | -.00053 | .00061 |
| #3 | -.00099 | -.00024 | -.00501 | .00004  | .00111  | .01142 | -.00053 | .00050 |

|        |        |         |        |        |        |        |         |  |
|--------|--------|---------|--------|--------|--------|--------|---------|--|
| 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    | .00027 | .00084  | .00177 | .00012 | .00020 | .00984 | -.00295 |  |
| Stddev | .00017 | .00002  | .00016 | .00011 | .00012 | .00027 | .00042  |  |
| %RSD   | 64.178 | 2.3591  | 9.2383 | 89.638 | 56.948 | 2.7412 | 14.177  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00027 | .00086 | .00190 | .00025 | .00009 | .00955 | -.00265 |  |
| #2 | .00044 | .00085 | .00159 | .00004 | .00020 | .01009 | -.00343 |  |
| #3 | .00009 | .00082 | .00183 | .00008 | .00032 | .00988 | -.00278 |  |

Sample Name: S0      Acquired: 1/23/2018 11:09:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1113.2 | 2212.4 | 37093. | 7640.5 | 3717.4 |
| Stddev    | 13.0   | 13.1   | 207.   | 73.2   | 17.3   |
| %RSD      | 1.1704 | .59282 | .55774 | .95798 | .46669 |
| #1        | 1104.1 | 2198.9 | 36995. | 7556.1 | 3702.2 |
| #2        | 1107.5 | 2213.2 | 36953. | 7686.7 | 3713.7 |
| #3        | 1128.1 | 2225.1 | 37331. | 7678.7 | 3736.3 |

Sample Name: S1      Acquired: 1/23/2018 11:13:40      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00040 | .00163 | .00132 | .00299 | .01164 | .01651 | .91243 | .01497 |
| Stddev | .00005 | .00008 | .00022 | .00012 | .00018 | .00023 | .00341 | .00006 |
| %RSD   | 11.444 | 4.9051 | 16.496 | 4.1204 | 1.5290 | 1.4068 | .37422 | .38093 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00043 | .00165 | .00114 | .00303 | .01144 | .01677 | .91562 | .01496 |
| #2 | .00035 | .00154 | .00157 | .00308 | .01178 | .01643 | .90883 | .01503 |
| #3 | .00041 | .00169 | .00126 | .00285 | .01171 | .01632 | .91285 | .01491 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00873 | .26590 | .00122 | .03647 | .00776 | .00320 | .00737 | .03574 |
| Stddev | .00005 | .00104 | .00002 | .00030 | .00012 | .00015 | .00017 | .00006 |
| %RSD   | .61886 | .39238 | 1.7618 | .81924 | 1.4988 | 4.6759 | 2.2402 | .17724 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00875 | .26473 | .00122 | .03616 | .00784 | .00335 | .00752 | .03568 |
| #2 | .00877 | .26675 | .00124 | .03651 | .00762 | .00320 | .00719 | .03574 |
| #3 | .00867 | .26621 | .00120 | .03675 | .00781 | .00305 | .00738 | .03580 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| 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    | .01594 | .00377 | .03567 | .00445  | .01680 | .13077  | -.00001 | .00434  |
| Stddev | .00010 | .00017 | .00061 | .00013  | .00053 | .00208  | .00008  | .00011  |
| %RSD   | .61871 | 4.5140 | 1.7060 | 2.9392  | 3.1847 | 1.5879  | 1021.6  | 2.4491  |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .01591 | .00360 | .03561 | .00437 | .01740 | .13294 | -.00009 | .00424 |
| #2 | .01586 | .00376 | .03509 | .00460 | .01640 | .12880 | .00005  | .00445 |
| #3 | .01605 | .00394 | .03630 | .00438 | .01658 | .13057 | .00002  | .00434 |

|        |        |         |        |        |        |        |        |  |
|--------|--------|---------|--------|--------|--------|--------|--------|--|
| 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    | .00743 | .00311  | .03777 | .00059 | .04158 | .09028 | 1.3863 |  |
| Stddev | .00010 | .00005  | .00022 | .00010 | .00023 | .00086 | .0007  |  |
| %RSD   | 1.3795 | 1.7259  | .58359 | 17.175 | .54431 | .94792 | .05026 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00735 | .00317 | .03752 | .00054 | .04133 | .09126 | 1.3865 |  |
| #2 | .00741 | .00309 | .03793 | .00053 | .04166 | .08965 | 1.3855 |  |
| #3 | .00755 | .00307 | .03785 | .00071 | .04176 | .08993 | 1.3868 |  |

Sample Name: S1      Acquired: 1/23/2018 11:13:40      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1119.9 | 2239.6 | 36760. | 7750.1 | 3633.5 |
| Stddev    | 4.8    | 9.0    | 175.   | 50.0   | 8.0    |
| %RSD      | .42414 | .40224 | .47487 | .64523 | .22017 |
| #1        | 1114.7 | 2229.5 | 36734. | 7697.7 | 3625.4 |
| #2        | 1121.1 | 2242.7 | 36600. | 7755.4 | 3633.8 |
| #3        | 1124.0 | 2246.7 | 36946. | 7797.3 | 3641.4 |

Sample Name: S2      Acquired: 1/23/2018 11:17:50      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .06518 | .09050 | 1.0855 | .10021 | .24913 | 3.2103 | 11.900 | .38859 |
| Stddev | .00039 | .00080 | .0060  | .00124 | .00299 | .0260  | .053   | .00407 |
| %RSD   | .59339 | .88396 | .55018 | 1.2377 | 1.2015 | .81034 | .44551 | 1.0486 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .06563 | .09109 | 1.0909 | .10119 | .25198 | 3.2340 | 11.958 | .39119 |
| #2 | .06497 | .09082 | 1.0864 | .10062 | .24939 | 3.2146 | 11.887 | .39070 |
| #3 | .06495 | .08959 | 1.0791 | .09882 | .24601 | 3.1825 | 11.854 | .38390 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.1998 | 3.3295 | .47069 | .48939 | .78616 | 1.1088 | 1.8347 | .46004 |
| Stddev | .0044  | .0169  | .00100 | .00213 | .00645 | .0077  | .0123  | .00276 |
| %RSD   | .36461 | .50659 | .21287 | .43582 | .82016 | .69128 | .67255 | .59982 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2036 | 3.3394 | .46958 | .49175 | .79114 | 1.1151 | 1.8384 | .46170 |
| #2 | 1.2009 | 3.3390 | .47094 | .48882 | .78846 | 1.1111 | 1.8448 | .46157 |
| #3 | 1.1950 | 3.3100 | .47154 | .48760 | .77887 | 1.1003 | 1.8209 | .45686 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .27508 | .11302 | .32297 | .05539 | 1.1006 | .93407 | .04697 | .48054 |
| Stddev | .00127 | .00091 | .00282 | .00072 | .0100  | .00855 | .00046 | .00398 |
| %RSD   | .46115 | .80650 | .87207 | 1.2925 | .90478 | .91503 | .97405 | .82741 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27615 | .11223 | .32505 | .05575 | 1.0922 | .94316 | .04745 | .48503 |
| #2 | .27540 | .11280 | .32410 | .05587 | 1.1116 | .93286 | .04691 | .47910 |
| #3 | .27368 | .11402 | .31977 | .05457 | 1.0980 | .92619 | .04654 | .47748 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .88872 | .03340 | .48633 | .09683 | .54369 | 2.0977 | 17.983 |  |
| Stddev | .00680 | .00029 | .00542 | .00080 | .00374 | .0067  | .033   |  |
| %RSD   | .76523 | .85690 | 1.1148 | .82340 | .68780 | .31847 | .18591 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .89524 | .03331 | .49105 | .09749 | .54153 | 2.1018 | 18.009 |  |
| #2 | .88926 | .03372 | .48752 | .09705 | .54153 | 2.0900 | 17.945 |  |
| #3 | .88167 | .03317 | .48041 | .09594 | .54801 | 2.1014 | 17.994 |  |

Sample Name: S2      Acquired: 1/23/2018 11:17:50      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1043.5 | 2084.1 | 34155. | 7669.5 | 3093.1 |
| Stddev    | 3.8    | 24.5   | 128.   | 64.6   | 26.2   |
| %RSD      | .36575 | 1.1737 | .37480 | .84261 | .84644 |
| #1        | 1044.0 | 2059.1 | 34213. | 7608.1 | 3065.9 |
| #2        | 1047.0 | 2085.4 | 34244. | 7663.6 | 3095.3 |
| #3        | 1039.4 | 2107.9 | 34008. | 7736.9 | 3118.1 |



Sample Name: S3      Acquired: 1/23/2018 11:21:45      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: S03      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .12900 | .17142 | 2.1223 | .19754 | .48778 | 6.3300 | 23.151 | .75182 |
| Stddev | .00058 | .00030 | .0067  | .00095 | .00142 | .0588  | .073   | .00247 |
| %RSD   | .45046 | .17252 | .31690 | .48179 | .29019 | .92913 | .31478 | .32870 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12963 | .17163 | 2.1212 | .19863 | .48932 | 6.2796 | 23.125 | .75313 |
| #2 | .12849 | .17155 | 2.1162 | .19687 | .48653 | 6.3946 | 23.233 | .74897 |
| #3 | .12888 | .17108 | 2.1295 | .19711 | .48748 | 6.3158 | 23.094 | .75336 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.3592 | 6.2748 | .89991 | .95999 | 1.5425 | 2.0943 | 3.4742 | .89385 |
| Stddev | .0098  | .0835  | .00933 | .00343 | .0171  | .0201  | .0400  | .00842 |
| %RSD   | .41343 | 1.3315 | 1.0369 | .35719 | 1.1117 | .95797 | 1.1517 | .94186 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3568 | 6.1783 | .89363 | .96112 | 1.5319 | 2.0713 | 3.4280 | .88447 |
| #2 | 2.3509 | 6.3244 | .89547 | .95614 | 1.5623 | 2.1083 | 3.4981 | .90075 |
| #3 | 2.3700 | 6.3215 | .91064 | .96271 | 1.5334 | 2.1032 | 3.4966 | .89633 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .53750 | .26473 | .63572 | .10589 | 2.1917 | 1.8475 | .09540 | .93302 |
| Stddev | .00213 | .00273 | .00567 | .00139 | .0362  | .0171  | .00045 | .00489 |
| %RSD   | .39602 | 1.0295 | .89224 | 1.3150 | 1.6510 | .92580 | .47145 | .52428 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53746 | .26308 | .63396 | .10434 | 2.1507 | 1.8399 | .09590 | .93145 |
| #2 | .53539 | .26325 | .64207 | .10704 | 2.2053 | 1.8671 | .09502 | .92911 |
| #3 | .53964 | .26788 | .63115 | .10629 | 2.2191 | 1.8356 | .09528 | .93850 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.7308 | .06751 | .90819 | .19263 | 1.0554 | 4.1446 | 34.993 |  |
| Stddev | .0043  | .00050 | .00350 | .00064 | .0067  | .0249  | .062   |  |
| %RSD   | .24719 | .74551 | .38514 | .33315 | .63770 | .60061 | .17724 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.7343 | .06789 | .90691 | .19326 | 1.0538 | 4.1689 | 35.031 |  |
| #2 | 1.7260 | .06694 | .90551 | .19198 | 1.0497 | 4.1456 | 34.921 |  |
| #3 | 1.7320 | .06770 | .91215 | .19266 | 1.0629 | 4.1192 | 35.026 |  |

Sample Name: S3      Acquired: 1/23/2018 11:21:45      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: S03      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 995.53 | 2002.6 | 33057. | 7560.0 | 2881.6 |
| Stddev    | 8.13   | 12.3   | 258.   | 20.7   | 12.0   |
| %RSD      | .81690 | .61516 | .78036 | .27439 | .41622 |
| #1        | 996.74 | 1988.5 | 33152. | 7542.3 | 2869.5 |
| #2        | 1003.0 | 2011.1 | 33254. | 7582.8 | 2893.4 |
| #3        | 986.86 | 2008.3 | 32765. | 7554.8 | 2881.8 |

Sample Name: S4      Acquired: 1/23/2018 11:25:38      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .25526 | .31888 | 4.0326 | .38389 | .96596 | 12.475 | 43.705 | 1.4474 |
| Stddev | .00064 | .00213 | .0026  | .00082 | .00198 | .030   | .437   | .0093  |
| %RSD   | .25091 | .66817 | .06417 | .21243 | .20506 | .23816 | 1.0007 | .64560 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25533 | .32126 | 4.0327 | .38295 | .96370 | 12.474 | 43.228 | 1.4399 |
| #2 | .25459 | .31715 | 4.0300 | .38446 | .96679 | 12.506 | 44.087 | 1.4445 |
| #3 | .25586 | .31824 | 4.0352 | .38424 | .96740 | 12.446 | 43.798 | 1.4579 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.5993 | 12.395 | 1.6971 | 1.8787 | 2.9309 | 3.9998 | 6.5931 | 1.7664 |
| Stddev | .0055  | .077   | .0034  | .0020  | .0150  | .0167  | .0246  | .0066  |
| %RSD   | .11944 | .62225 | .19845 | .10464 | .51071 | .41846 | .37279 | .37473 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.5940 | 12.308 | 1.6942 | 1.8766 | 2.9418 | 3.9834 | 6.5647 | 1.7604 |
| #2 | 4.6049 | 12.423 | 1.6963 | 1.8789 | 2.9372 | 4.0168 | 6.6068 | 1.7735 |
| #3 | 4.5991 | 12.454 | 1.7008 | 1.8805 | 2.9138 | 3.9992 | 6.6077 | 1.7652 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.0434 | .43216 | 1.2401 | .20245 | 4.3894 | 3.6138 | .19244 | 1.7127 |
| Stddev | .0006  | .00043 | .0028  | .00103 | .0221  | .0143  | .00171 | .0040  |
| %RSD   | .05243 | .09868 | .22707 | .50779 | .50383 | .39497 | .89049 | .23342 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0428 | .43234 | 1.2410 | .20130 | 4.3861 | 3.6258 | .19399 | 1.7093 |
| #2 | 1.0436 | .43247 | 1.2423 | .20274 | 4.4130 | 3.6175 | .19060 | 1.7117 |
| #3 | 1.0439 | .43167 | 1.2369 | .20329 | 4.3691 | 3.5980 | .19274 | 1.7171 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 3.2835 | .13463 | 1.6610 | .36885 | 1.9988 | 8.1314 | 64.776 |  |
| Stddev | .0034  | .00006 | .0090  | .00088 | .0053  | .0319  | .233   |  |
| %RSD   | .10410 | .04500 | .54316 | .23794 | .26521 | .39222 | .36011 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 3.2838 | .13458 | 1.6518 | .36985 | 1.9944 | 8.1679 | 64.943 |  |
| #2 | 3.2799 | .13470 | 1.6612 | .36845 | 1.9973 | 8.1171 | 64.510 |  |
| #3 | 3.2868 | .13462 | 1.6698 | .36824 | 2.0047 | 8.1092 | 64.875 |  |

Sample Name: S4      Acquired: 1/23/2018 11:25:38      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 956.82 | 1904.4 | 32292. | 7605.9 | 2660.6 |
| Stddev    | 4.61   | 3.5    | 150.   | 9.9    | 6.9    |
| %RSD      | .48203 | .18586 | .46338 | .12998 | .25993 |
| #1        | 952.81 | 1908.3 | 32172. | 7600.3 | 2667.5 |
| #2        | 955.79 | 1903.5 | 32244. | 7600.1 | 2660.6 |
| #3        | 961.86 | 1901.3 | 32459. | 7617.3 | 2653.7 |

Sample Name: S5      Acquired: 1/23/2018 11:29:47      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .54183 | .62563 | 8.1968 | .80660 | 2.0375 | 25.650 | 87.582 | 2.9322 |
| Stddev | .00213 | .00265 | .0178  | .00128 | .0105  | .042   | .523   | .0172  |
| %RSD   | .39324 | .42384 | .21662 | .15898 | .51320 | .16278 | .59728 | .58749 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54205 | .62422 | 8.1882 | .80645 | 2.0402 | 25.691 | 87.842 | 2.9492 |
| #2 | .54384 | .62397 | 8.1849 | .80796 | 2.0464 | 25.653 | 87.925 | 2.9148 |
| #3 | .53960 | .62868 | 8.2172 | .80541 | 2.0260 | 25.607 | 86.980 | 2.9326 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 9.2446 | 24.213 | 3.3162 | 3.7789 | 6.0733 | 7.7220 | 12.854 | 3.4858 |
| Stddev | .0323  | .053   | .0147  | .0054  | .0302  | .0150  | .027   | .0066  |
| %RSD   | .34897 | .21826 | .44268 | .14372 | .49691 | .19358 | .20861 | .18861 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.2297 | 24.152 | 3.3092 | 3.7781 | 6.0970 | 7.7060 | 12.835 | 3.4817 |
| #2 | 9.2226 | 24.236 | 3.3063 | 3.7739 | 6.0836 | 7.7356 | 12.885 | 3.4933 |
| #3 | 9.2817 | 24.250 | 3.3330 | 3.7847 | 6.0393 | 7.7243 | 12.843 | 3.4822 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.0811 | 1.2862 | 2.5204 | .39896 | 9.4160 | 7.4714 | .41169 | 3.3947 |
| Stddev | .0046  | .0049  | .0037  | .00111 | .1169  | .0251  | .00207 | .0190  |
| %RSD   | .21959 | .37947 | .14867 | .27888 | 1.2420 | .33653 | .50190 | .55849 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0774 | 1.2812 | 2.5230 | .40018 | 9.3142 | 7.5004 | .41028 | 3.4165 |
| #2 | 2.0796 | 1.2863 | 2.5161 | .39870 | 9.5437 | 7.4575 | .41072 | 3.3818 |
| #3 | 2.0862 | 1.2910 | 2.5220 | .39800 | 9.3900 | 7.4562 | .41406 | 3.3859 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 6.7294 | .28632 | 3.3082 | .75894 | 4.0893 | 16.878 | 131.31 |  |
| Stddev | .0158  | .00170 | .0165  | .00302 | .0078  | .050   | .79    |  |
| %RSD   | .23481 | .59533 | .49863 | .39795 | .19092 | .29603 | .60232 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 6.7266 | .28523 | 3.3272 | .75660 | 4.0983 | 16.934 | 131.86 |  |
| #2 | 6.7464 | .28545 | 3.3004 | .75788 | 4.0840 | 16.839 | 130.41 |  |
| #3 | 6.7152 | .28828 | 3.2971 | .76235 | 4.0857 | 16.860 | 131.67 |  |

Sample Name: S5      Acquired: 1/23/2018 11:29:47      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 842.98 | 1722.8 | 29870. | 7296.0 | 2354.9 |
| Stddev    | 1.89   | 10.1   | 49.    | 45.1   | 3.9    |
| %RSD      | .22416 | .58603 | .16390 | .61790 | .16412 |
| #1        | 844.22 | 1719.3 | 29909. | 7245.5 | 2353.6 |
| #2        | 840.81 | 1715.0 | 29886. | 7332.2 | 2351.9 |
| #3        | 843.93 | 1734.2 | 29815. | 7310.2 | 2359.3 |

Sample Name: S6      Acquired: 1/23/2018 11:33:52      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S06      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 65.189 | 38.120 | 20.151 | 5.4482 | 6.8256 |
| Stddev | .557   | .039   | .016   | .0145  | .0039  |
| %RSD   | .85413 | .10187 | .08012 | .26638 | .05703 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 64.560 | 38.094 | 20.145 | 5.4423 | 6.8231 |
| #2 | 65.617 | 38.102 | 20.140 | 5.4376 | 6.8236 |
| #3 | 65.392 | 38.165 | 20.170 | 5.4648 | 6.8301 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 7085.4 |
| Stddev    | 12.2   |
| %RSD      | .17151 |

|    |        |
|----|--------|
| #1 | 7071.3 |
| #2 | 7092.7 |
| #3 | 7092.0 |

Sample Name: ICV01      Acquired: 1/23/2018 11:50:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908     | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9616559 | F 1.185556 | 1.011894 | 1.018956 | .9416044 | 2.331170 |
| Stddev | .0043054 | .007440    | .002975  | .001100  | .0043240 | .024328  |
| %RSD   | .4477083 | .6275932   | .2940044 | .1079804 | .4592127 | 1.043603 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9626008 | 1.185176 | 1.012709 | 1.017688 | .9441465 | 2.323564 |
| #2 | .9569566 | 1.178313 | 1.014376 | 1.019662 | .9366118 | 2.358392 |
| #3 | .9654105 | 1.193180 | 1.008596 | 1.019517 | .9440549 | 2.311553 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5174870 | .4914283 | .4807298 | 10.26365 | .5231399 | .4851106 |
| Stddev | .0023981 | .0009966 | .0019436 | .02299   | .0008851 | .0005434 |
| %RSD   | .4634140 | .2027968 | .4042960 | .2240365 | .1691926 | .1120196 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5167008 | .4923266 | .4785595 | 10.28292 | .5221308 | .4845112 |
| #2 | .5201795 | .4903563 | .4813202 | 10.23819 | .5237847 | .4855711 |
| #3 | .5155807 | .4916021 | .4823097 | 10.26982 | .5235043 | .4852496 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4899939 | 5.315936 | .4929132 | 5.842293 | .5009503 | F .1588982 |
| Stddev | .0018640 | .011174  | .0003891 | .013566  | .0011753 | .0002041   |
| %RSD   | .3804090 | .2101924 | .0789457 | .2321992 | .2346145 | .1284560   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4901397 | 5.322541 | .4927700 | 5.827276 | .4996274 | .1586886 |
| #2 | .4917806 | 5.322231 | .4926159 | 5.845942 | .5018738 | .1590964 |
| #3 | .4880612 | 5.303035 | .4933536 | 5.853661 | .5013499 | .1589096 |

|        |          |          |            |          |            |            |
|--------|----------|----------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm        | ppm        |
| Avg    | 9.747206 | .5151355 | F .8994293 | 9.292649 | F .0125293 | F .0058164 |
| Stddev | .113412  | .0038192 | .0021769   | .094474  | .0028291   | .0005112   |
| %RSD   | 1.163533 | .7413945 | .2420292   | 1.016654 | 22.57966   | 8.788981   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.875428 | .5192098 | .8976343 | 9.221713 | .0157696 | .0064049 |
| #2 | 9.706153 | .5116368 | .8988029 | 9.399890 | .0105497 | .0055614 |
| #3 | 9.660039 | .5145599 | .9018507 | 9.256344 | .0112686 | .0054827 |



Sample Name: ICV01      Acquired: 1/23/2018 11:50:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0006290 | .0105330 | .0044200 | F .0001758 | -.000204 | .0044567 |
| Stddev | .0003398   | .0004473 | .0010620 | .0004360   | .000411  | .0002294 |
| %RSD   | 54.02784   | 4.246415 | 24.02675 | 248.0088   | 201.2707 | 5.147623 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0007692 | .0106227 | .0033304 | .0003210 | .000144  | .0042305 |
| #2 | .0008764 | .0109286 | .0044775 | .0005206 | -.000099 | .0044503 |
| #3 | .0002415 | .0100476 | .0054520 | -.000314 | -.000658 | .0046892 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0122119 |
| Stddev | .0000289 |
| %RSD   | .2363131 |

|    |          |
|----|----------|
| #1 | .0121835 |
| #2 | .0122411 |
| #3 | .0122111 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1072.666 | 2149.788 | 35416.28 | 7794.514 | 3460.536 |
| Stddev    | 3.554    | 13.767   | 106.93   | 51.385   | 13.948   |
| %RSD      | .3313672 | .6404019 | .3019281 | .6592449 | .4030650 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1068.568 | 2134.165 | 35309.72 | 7736.373 | 3445.364 |
| #2 | 1074.520 | 2155.055 | 35415.56 | 7813.335 | 3463.440 |
| #3 | 1074.910 | 2160.144 | 35523.58 | 7833.835 | 3472.804 |

Sample Name: ICB01      Acquired: 1/23/2018 11:54:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000203 | -.000678 | .0005123 | -.000036 | .0008602 | .0038033 | -.000726 |
| Stddev | .001418  | .000718  | .0008294 | .004164  | .0007898 | .0019303 | .000155  |
| %RSD   | 697.5269 | 105.8815 | 161.8988 | 11624.13 | 91.81675 | 50.75428 | 21.35550 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000934  | -.000699 | .0006752 | -.000476 | .0011433 | .0020763 | -.000866 |
| #2 | .000247  | .000050  | .0012481 | .004331  | .0014695 | .0058871 | -.000752 |
| #3 | -.001791 | -.001384 | -.000386 | -.003962 | -.000032 | .0034464 | -.000559 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001090 | .0002001 | .0078934 | -.000073 | .0000401 | .0016933 | .0043840 |
| Stddev | .0000349 | .0000459 | .0063649 | .000231  | .0001236 | .0007176 | .0017871 |
| %RSD   | 32.00762 | 22.91606 | 80.63534 | 316.9826 | 308.2511 | 42.37850 | 40.76477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001001 | .0001536 | .0006324 | -.000312 | -.000027 | .0008878 | .0042226 |
| #2 | .0000794 | .0002013 | .0125088 | -.000055 | -.000035 | .0022643 | .0026830 |
| #3 | .0001475 | .0002453 | .0105391 | .000148  | .000183  | .0019278 | .0062464 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001746 | .0004489 | .0001281 | .0001755 | -.076717 | -.000480 | -.002322 |
| Stddev | .0000963 | .0126312 | .0003556 | .0001166 | .084496  | .001891  | .002635  |
| %RSD   | 55.14282 | 2813.582 | 277.5595 | 66.46828 | 110.1389 | 393.8925 | 113.5212 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000799 | .0113205 | -.000264 | .0002795 | -.016973 | .001691  | -.000444 |
| #2 | .0002724 | -.013407 | .000429  | .0001975 | -.039788 | -.001767 | -.005334 |
| #3 | .0001714 | .003434  | .000220  | .0000494 | -.173391 | -.001365 | -.001187 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023472 | -.000241 | .0037929 | .0001425 | .0054114 | -.001358 | -.000264 |
| Stddev | .0332373 | .001082  | .0001421 | .0003584 | .0030152 | .000361  | .000230  |
| %RSD   | 1416.025 | 448.2283 | 3.746868 | 251.4495 | 55.71847 | 26.58215 | 87.03544 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0087898 | .000307  | .0038821 | .0002105 | .0087917 | -.000956 | -.000514 |
| #2 | .0318916 | -.001488 | .0036290 | -.000245 | .0029992 | -.001461 | -.000217 |
| #3 | -.033640 | .000457  | .0038677 | .000462  | .0044434 | -.001656 | -.000062 |

Sample Name: ICB01      Acquired: 1/23/2018 11:54:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002609 | .0029393 | -.000058 |
| Stddev | .0003348 | .0002485 | .000019  |
| %RSD   | 128.3357 | 8.455109 | 32.96302 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0005318 | .0030457 | -.000052 |
| #2 | -.000113 | .0026554 | -.000080 |
| #3 | .000364  | .0031171 | -.000043 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1111.520 | 2231.268 | 36649.82 | 7943.197 | 3749.273 |
| Stddev    | 3.108    | 10.564   | 68.97    | 37.514   | 5.358    |
| %RSD      | .2796566 | .4734548 | .1881814 | .4722837 | .1429175 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1108.942 | 2224.485 | 36610.77 | 7921.968 | 3745.002 |
| #2 | 1110.646 | 2225.879 | 36609.23 | 7921.111 | 3747.531 |
| #3 | 1114.972 | 2243.440 | 36729.45 | 7986.512 | 3755.285 |

Sample Name: ICSA01      Acquired: 1/23/2018 12:18:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070852 | -.008037 | .0006946 | -.003426 | .0048185 | 237.6158 |
| Stddev | .0029512 | .001532  | .0018768 | .003115  | .0022713 | .9687    |
| %RSD   | 41.65356 | 19.06423 | 270.2007 | 90.92126 | 47.13697 | .4076832 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0071373 | -.006454 | -.000409 | -.000536 | .0072520 | 236.9478 |
| #2 | .0041082 | -.008145 | -.000369 | -.006725 | .0027549 | 237.1728 |
| #3 | .0100100 | -.009513 | .002862  | -.003017 | .0044485 | 238.7268 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677     | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | .0052537 | .0011668 | .0006001 | 248.4758 | F .0644206 | .0008197 |
| Stddev | .0003230 | .0002048 | .0001229 | 2.5138   | .0011320   | .0001771 |
| %RSD   | 6.148467 | 17.55638 | 20.48477 | 1.011692 | 1.757126   | 21.60973 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0048867 | .0009308 | .0004615 | 245.7032 | .0632235 | .0006167 |
| #2 | .0053798 | .0012982 | .0006427 | 249.1181 | .0645648 | .0008994 |
| #3 | .0054947 | .0012715 | .0006960 | 250.6062 | .0654736 | .0009430 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0039650 | 98.44582 | .0149391 | 255.0650 | .0044725 | .0010292 |
| Stddev | .0017326 | .90709   | .0001535 | 1.6965   | .0002660 | .0001342 |
| %RSD   | 43.69854 | .9214060 | 1.027633 | .6651356 | 5.947605 | 13.03432 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0027508 | 97.43887 | .0148148 | 253.2621 | .0041756 | .0008946 |
| #2 | .0031951 | 98.69960 | .0151107 | 255.3028 | .0046891 | .0011630 |
| #3 | .0059492 | 99.19898 | .0148919 | 256.6300 | .0045529 | .0010301 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .1639839 | .0017017 | .0000543 | -.059663 | -.002741 | F .0207439 |
| Stddev | .1596660 | .0033763 | .0050812 | .028050  | .000993  | .0015502   |
| %RSD   | 97.36686 | 198.4116 | 9357.368 | 47.01322 | 36.22056 | 7.473054   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1805943 | -.002177 | .0057780 | -.085214 | -.001603 | .0189544 |
| #2 | .3146954 | .003983  | -.001690 | -.064127 | -.003429 | .0216734 |
| #3 | -.003338 | .003299  | -.003925 | -.029649 | -.003192 | .0216041 |

Sample Name: ICSA01      Acquired: 1/23/2018 12:18:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015360 | .0259353 | -.001063 | -.001852 | -.000406 | .0050523 |
| Stddev | .0005988 | .0069837 | .000904  | .000606  | .000110  | .0001813 |
| %RSD   | 38.98053 | 26.92731 | 85.05909 | 32.70906 | 27.20050 | 3.588319 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0014975 | .0299161 | -.001815 | -.002344 | -.000279 | .0048433 |
| #2 | .0009575 | .0178715 | -.001314 | -.001175 | -.000462 | .0051684 |
| #3 | .0021531 | .0300185 | -.000060 | -.002038 | -.000478 | .0051450 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1044916 |
| Stddev | .0001900 |
| %RSD   | .1818639 |

|    |          |
|----|----------|
| #1 | .1043224 |
| #2 | .1046972 |
| #3 | .1044550 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 963.3308 | 1950.504 | 31477.67 | 7648.763 | 2764.678 |
| Stddev    | 11.7062  | 13.157   | 214.57   | 7.995    | 9.805    |
| %RSD      | 1.215179 | .6745393 | .6816690 | .1045263 | .3546485 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 955.5076 | 1937.830 | 31357.93 | 7651.562 | 2754.177 |
| #2 | 957.6961 | 1949.587 | 31349.69 | 7639.745 | 2766.264 |
| #3 | 976.7888 | 1964.095 | 31725.39 | 7654.983 | 2773.593 |

Sample Name: ICSAB01      Acquired: 1/23/2018 12:24:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1036975 | .0992297 | .0516190 | .0502496 | .5732284 | 235.8994 |
| Stddev | .0027907 | .0031117 | .0021379 | .0026990 | .0018559 | .5320    |
| %RSD   | 2.691191 | 3.135860 | 4.141712 | 5.371145 | .3237541 | .2255170 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1056968 | .0962437 | .0492446 | .0504809 | .5730812 | 235.5845 |
| #2 | .1048865 | .0989921 | .0522213 | .0528255 | .5714505 | 236.5136 |
| #3 | .1005092 | .1024534 | .0533913 | .0474424 | .5751534 | 235.6000 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5084334 | .4814849 | 1.003262 | 248.7912 | .5866287 | .5004253 |
| Stddev | .0016332 | .0013446 | .001203  | .7645    | .0037249 | .0010133 |
| %RSD   | .3212293 | .2792658 | .1198906 | .3072745 | .6349635 | .2024901 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5077655 | .4820321 | 1.002213 | 248.8484 | .5826031 | .5005272 |
| #2 | .5102947 | .4799529 | 1.002999 | 247.9998 | .5873299 | .4993649 |
| #3 | .5072400 | .4824695 | 1.004575 | 249.5256 | .5899532 | .5013838 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4771499 | 97.91624 | .4837185 | 254.4340 | 1.016340 | F .0670413 |
| Stddev | .0038266 | .25024   | .0017687 | .6185    | .001623  | .0007340   |
| %RSD   | .8019659 | .2555699 | .3656365 | .2431003 | .1596625 | 1.094842   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4776371 | 97.86597 | .4817438 | 253.8073 | 1.014499 | .0676120 |
| #2 | .4807096 | 97.69494 | .4851570 | 254.4507 | 1.016962 | .0662133 |
| #3 | .4731031 | 98.18780 | .4842548 | 255.0440 | 1.017560 | .0672987 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0985537 | .4855773 | .9327707 | -.086974 | .0100653 | F .0939824 |
| Stddev | .0310391 | .0034883 | .0013591 | .026607  | .0009892 | .0009645   |
| %RSD   | 31.49459 | .7183728 | .1457056 | 30.59174 | 9.827382 | 1.026216   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0951175 | .4881881 | .9317808 | -.066432 | .0099536 | .0929002 |
| #2 | .0693756 | .4869281 | .9322111 | -.117030 | .0111056 | .0942957 |
| #3 | .1311679 | .4816156 | .9343203 | -.077460 | .0091367 | .0947512 |

Sample Name: ICSAB01      Acquired: 1/23/2018 12:24:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0812332 | .0258833 | .0672287 | F .0744252 | .0758352 | .0039857 |
| Stddev | .0000461   | .0060736 | .0006777 | .0017674   | .0014147 | .0004237 |
| %RSD   | .0566933   | 23.46513 | 1.008096 | 2.374707   | 1.865535 | 10.63144 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0811889 | .0198535 | .0670353 | .0753392 | .0750602 | .0044749 |
| #2 | .0812300 | .0319997 | .0666687 | .0755485 | .0749774 | .0037371 |
| #3 | .0812808 | .0257968 | .0679821 | .0723880 | .0774681 | .0037449 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1041091 |
| Stddev | .0001333 |
| %RSD   | .1280377 |

|    |          |
|----|----------|
| #1 | .1042102 |
| #2 | .1041592 |
| #3 | .1039581 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 965.9956 | 1940.285 | 31439.61 | 7664.811 | 2759.417 |
| Stddev    | 5.1531   | 8.537    | 198.73   | 46.145   | 2.832    |
| %RSD      | .5334450 | .4399707 | .6321012 | .6020389 | .1026397 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 961.5924 | 1934.572 | 31219.38 | 7612.557 | 2756.179 |
| #2 | 964.7312 | 1950.099 | 31493.87 | 7699.964 | 2761.436 |
| #3 | 971.6632 | 1936.185 | 31605.57 | 7681.913 | 2760.636 |

Sample Name: CCV076      Acquired: 1/23/2018 12:31:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.202445 | 4.976619 | 25.04511 | 5.214955 | 5.126683 | 395.7116 |
| Stddev | .013760  | .026611  | .01152   | .018055  | .005883  | 4.9871   |
| %RSD   | .2644850 | .5347210 | .0460033 | .3462182 | .1147624 | 1.260296 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.215215 | 4.984990 | 25.05634 | 5.235470 | 5.119914 | 390.0284 |
| #2 | 5.204246 | 4.998038 | 25.04567 | 5.207915 | 5.130570 | 399.3579 |
| #3 | 5.187873 | 4.946829 | 25.03332 | 5.201481 | 5.129566 | 397.7484 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.06043 | .5005831 | 2.571708 | 405.8965 | 15.71916 | 2.556317 |
| Stddev | .03350   | .0001801 | .006142  | 1.2223   | .06414   | .005359  |
| %RSD   | .3330149 | .0359788 | .2388476 | .3011443 | .4080118 | .2096389 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.06179 | .5006646 | 2.578637 | 404.4855 | 15.64979 | 2.562079 |
| #2 | 10.09323 | .5003767 | 2.566930 | 406.5712 | 15.73139 | 2.551481 |
| #3 | 10.02626 | .5007082 | 2.569557 | 406.6328 | 15.77629 | 2.555390 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 14.95176 | 403.4355 | 14.47863 | 412.4414 | 2.534017 | F 1.512740 |
| Stddev | .08444   | 1.6235   | .02219   | .9871    | .002413  | .004297    |
| %RSD   | .5647636 | .4024286 | .1532272 | .2393377 | .0952164 | .2840618   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.99216 | 401.6245 | 14.46788 | 411.3927 | 2.536797 | 1.508623 |
| #2 | 14.85470 | 404.7607 | 14.46386 | 412.5788 | 2.532782 | 1.512400 |
| #3 | 15.00840 | 403.9214 | 14.50414 | 413.3526 | 2.532471 | 1.517197 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 404.0508 | 2.479791 | 15.34757 | 152.6784 | 5.267159 | 4.928668 |
| Stddev | 1.0884   | .008119  | .03702   | .6962    | .016974  | .007510  |
| %RSD   | .2693819 | .3274115 | .2412185 | .4559860 | .3222606 | .1523646 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 403.8920 | 2.471464 | 15.32400 | 152.8393 | 5.285531 | 4.920547 |
| #2 | 403.0504 | 2.480222 | 15.32846 | 151.9158 | 5.263889 | 4.930095 |
| #3 | 405.2099 | 2.487685 | 15.39024 | 153.2800 | 5.252058 | 4.935362 |



Sample Name: CCV076      Acquired: 1/23/2018 12:31:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.127135 | 5.369409 | 4.785188 | 5.139691 | 5.167490 | 5.206762 |
| Stddev | .003972  | .035820  | .006486  | .013477  | .013870  | .029685  |
| %RSD   | .0774746 | .6671089 | .1355456 | .2622099 | .2684034 | .5701188 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.130136 | 5.408689 | 4.777774 | 5.155244 | 5.164380 | 5.215660 |
| #2 | 5.128638 | 5.360987 | 4.789815 | 5.132371 | 5.155439 | 5.173646 |
| #3 | 5.122630 | 5.338550 | 4.787976 | 5.131459 | 5.182650 | 5.230980 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.275717 |
| Stddev | .013790  |
| %RSD   | .2613941 |

|    |          |
|----|----------|
| #1 | 5.267806 |
| #2 | 5.291641 |
| #3 | 5.267704 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 856.2329 | 1731.805 | 29139.08 | 7334.336 | 2351.201 |
| Stddev    | 2.9490   | 4.393    | 53.70    | 23.818   | 5.470    |
| %RSD      | .3444143 | .2536549 | .1842812 | .3247412 | .2326401 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 852.8334 | 1727.120 | 29078.78 | 7313.083 | 2345.478 |
| #2 | 858.1034 | 1732.464 | 29156.74 | 7329.847 | 2351.749 |
| #3 | 857.7619 | 1735.832 | 29181.72 | 7360.079 | 2356.377 |

Sample Name: CCB076      Acquired: 1/23/2018 12:35:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014658 | -.000036 | .0029278 | .0047794 | .0011036 | .0033002 | -.000807 |
| Stddev | .0021062 | .001819  | .0011891 | .0018582 | .0013978 | .0042902 | .000257  |
| %RSD   | 143.6900 | 5100.291 | 40.61238 | 38.87874 | 126.6588 | 129.9978 | 31.86145 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028191 | .000948  | .0018868 | .0066318 | -.000409 | .0082007 | -.001097 |
| #2 | -.000961 | -.002135 | .0026730 | .0029155 | .001373  | .0014780 | -.000610 |
| #3 | .002539  | .001080  | .0042236 | .0047909 | .002347  | .0002219 | -.000713 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001181 | .0003742 | .0078671 | -.000178 | .0004167 | .0029422 | .0073887 |
| Stddev | .0000682 | .0000803 | .0044955 | .000267  | .0003616 | .0014710 | .0020269 |
| %RSD   | 57.73762 | 21.45372 | 57.14271 | 149.6548 | 86.78177 | 49.99866 | 27.43220 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001028 | .0002883 | .0038146 | .000032  | .0000053 | .0028970 | .0097123 |
| #2 | .0000588 | .0003869 | .0127027 | -.000478 | .0006840 | .0044353 | .0059838 |
| #3 | .0001926 | .0004473 | .0070840 | -.000088 | .0005607 | .0014942 | .0064702 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000302 | .0061718 | .0006046 | .0001321 | -.025175 | -.000290 | .0000765 |
| Stddev | .0002177 | .0068932 | .0005964 | .0001165 | .065772  | .000740  | .0028782 |
| %RSD   | 720.6676 | 111.6896 | 98.64117 | 88.20586 | 261.2544 | 254.9238 | 3761.663 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000185 | .0035238 | -.000034 | .0001067 | -.021814 | -.000903 | .0017136 |
| #2 | .000026  | .0009952 | .001148  | .0002592 | .038851  | .000531  | .0017628 |
| #3 | .000250  | .0139964 | .000699  | .0000303 | -.092563 | -.000498 | -.003247 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0197008 | -.001189 | .0088194 | .0011052 | .0062212 | -.000633 | .0005657 |
| Stddev | .0374512 | .000475  | .0006094 | .0004178 | .0016250 | .000483  | .0006712 |
| %RSD   | 190.0997 | 39.99973 | 6.909330 | 37.80347 | 26.12024 | 76.25413 | 118.6431 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.018416 | -.001713 | .0086189 | .0006241 | .0073930 | -.001188 | .0000153 |
| #2 | .056449  | -.000786 | .0095038 | .0013773 | .0043661 | -.000310 | .0003685 |
| #3 | .021070  | -.001067 | .0083355 | .0013141 | .0069044 | -.000401 | .0013134 |

Sample Name: CCB076      Acquired: 1/23/2018 12:35:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB076      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003076 | .0079248 | .0000226 |
| Stddev | .0003098 | .0005344 | .0000296 |
| %RSD   | 100.7183 | 6.743870 | 130.8676 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006405 | .0084618 | .0000426 |
| #2 | .0002545 | .0079198 | .0000366 |
| #3 | .0000278 | .0073929 | -.000011 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1113.896 | 2244.782 | 36443.72 | 8006.020 | 3761.098 |
| Stddev    | 6.120    | 6.743    | 160.64   | 22.690   | 5.316    |
| %RSD      | .5494277 | .3004055 | .4407957 | .2834159 | .1413405 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1107.349 | 2237.614 | 36272.51 | 7982.464 | 3756.075 |
| #2 | 1114.866 | 2251.000 | 36467.52 | 8027.732 | 3760.554 |
| #3 | 1119.473 | 2245.731 | 36591.14 | 8007.865 | 3766.665 |

Sample Name: PB105866BL      Acquired: 1/23/2018 12:39:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002955 | -.002231 | .0006059 | .0020038 | .0008801 | .0005995 | -.000742 |
| Stddev | .0017255 | .000491  | .0014206 | .0018159 | .0010393 | .0013310 | .000309  |
| %RSD   | 583.8972 | 22.00183 | 234.4578 | 90.62015 | 118.0854 | 222.0392 | 41.67424 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000451 | -.002541 | -.000540 | .0012494 | -.000157 | .0002804 | -.001096 |
| #2 | -.000931 | -.001665 | .000162  | .0006868 | .000876  | -.000543 | -.000529 |
| #3 | .002269  | -.002487 | .002196  | .0040753 | .001922  | .002061  | -.000600 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001670 | .0001125 | .0079116 | .0004407 | .0001698 | .0021381 | .0039769 |
| Stddev | .0000474 | .0000751 | .0062425 | .0001027 | .0002524 | .0010291 | .0013549 |
| %RSD   | 28.38507 | 66.78608 | 78.90367 | 23.30107 | 148.6050 | 48.13132 | 34.06813 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001338 | .0001004 | .0085876 | .0005560 | .0004191 | .0024896 | .0024143 |
| #2 | .0001460 | .0000441 | .0137885 | .0003590 | .0001760 | .0029455 | .0046911 |
| #3 | .0002213 | .0001929 | .0013586 | .0004071 | -.000086 | .0009793 | .0048251 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000105 | -.012360 | -.000053 | .0001200 | -.093127 | -.002126 | -.001355 |
| Stddev | .000244  | .033756  | .000334  | .0001049 | .018285  | .002125  | .000845  |
| %RSD   | 232.7076 | 273.1146 | 628.6994 | 87.41830 | 19.63411 | 99.95129 | 62.33499 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000230 | -.046644 | .000131  | .0001857 | -.103911 | -.001633 | -.001332 |
| #2 | -.000262 | -.011279 | .000148  | .0001753 | -.103455 | -.004455 | -.000522 |
| #3 | .000177  | .020843  | -.000439 | -.000001 | -.072015 | -.000291 | -.002212 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017001 | -.000784 | .0048204 | -.000023 | .0045380 | -.000895 | .0001349 |
| Stddev | .0150612 | .000598  | .0003524 | .000116  | .0024563 | .000402  | .0002699 |
| %RSD   | 885.9271 | 76.23220 | 7.311228 | 513.9183 | 54.12826 | 44.91832 | 200.0226 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0155635 | -.000561 | .0046802 | -.000148 | .0068459 | -.001151 | .0003625 |
| #2 | .0038619 | -.000329 | .0045596 | -.000001 | .0019562 | -.001102 | .0002055 |
| #3 | -.014325 | -.001461 | .0052213 | .000081  | .0048119 | -.000432 | -.000163 |

Sample Name: PB105866BL      Acquired: 1/23/2018 12:39:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000150 | .0035105 | -.000066 |
| Stddev | .000186  | .0003603 | .000034  |
| %RSD   | 124.0437 | 10.26456 | 52.27244 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000361 | .0038625 | -.000026 |
| #2 | -.000075 | .0031424 | -.000086 |
| #3 | -.000013 | .0035265 | -.000085 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1115.730 | 2252.716 | 36663.96 | 8048.392 | 3766.927 |
| Stddev    | 3.317    | 6.860    | 18.50    | 21.837   | 9.529    |
| %RSD      | .2973167 | .3045123 | .0504698 | .2713157 | .2529584 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1115.524 | 2247.312 | 36650.27 | 8032.634 | 3759.127 |
| #2 | 1112.520 | 2250.401 | 36656.60 | 8073.318 | 3764.106 |
| #3 | 1119.145 | 2260.433 | 36685.01 | 8039.225 | 3777.548 |

Sample Name: PB105866BS      Acquired: 1/23/2018 12:44:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0209428 | .0590240 | .0225537 | .0734360 | .1167404 | .3953277 |
| Stddev | .0040470 | .0004580 | .0008158 | .0011928 | .0013567 | .0048526 |
| %RSD   | 19.32400 | .7759165 | 3.617083 | 1.624240 | 1.162147 | 1.227481 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0163267 | .0595157 | .0226850 | .0724197 | .1178609 | .3898405 |
| #2 | .0238811 | .0586095 | .0232958 | .0747491 | .1171285 | .3970888 |
| #3 | .0226204 | .0589470 | .0216802 | .0731390 | .1152320 | .3990538 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4077984 | .0104442 | .0102152 | 10.46821 | .0234266 | .0968748 |
| Stddev | .0010681 | .0001220 | .0000080 | .07868   | .0003025 | .0004238 |
| %RSD   | .2619061 | 1.167704 | .0787791 | .7516471 | 1.291252 | .4374589 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4067137 | .0105846 | .0102059 | 10.38364 | .0233721 | .0973555 |
| #2 | .4078324 | .0103647 | .0102200 | 10.53925 | .0237527 | .0967136 |
| #3 | .4088490 | .0103832 | .0102197 | 10.48175 | .0231551 | .0965553 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0501490 | .2309878 | .0297205 | 9.906917 | .0807399 | .0178799 |
| Stddev | .0011275 | .0050514 | .0003059 | .048630  | .0001083 | .0004784 |
| %RSD   | 2.248345 | 2.186877 | 1.029356 | .4908648 | .1341897 | 2.675418 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0507393 | .2273208 | .0294310 | 9.865497 | .0806719 | .0181799 |
| #2 | .0508589 | .2288930 | .0296900 | 9.894793 | .0806831 | .0181316 |
| #3 | .0488489 | .2367496 | .0300406 | 9.960462 | .0808649 | .0173282 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.621336 | .1009730 | .1101424 | 9.090114 | .0244747 | F .0246240 |
| Stddev | .101809  | .0026316 | .0007842 | .021298  | .0018328 | .0006270   |
| %RSD   | 1.058155 | 2.606279 | .7120099 | .2343023 | 7.488480 | 2.546364   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.611867 | .1017888 | .1093342 | 9.101984 | .0255011 | .0245315 |
| #2 | 9.524593 | .0980301 | .1109002 | 9.065526 | .0255642 | .0240484 |
| #3 | 9.727549 | .1031001 | .1101927 | 9.102832 | .0223587 | .0252922 |

Sample Name: PB105866BS      Acquired: 1/23/2018 12:44:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0215488 | .1861171 | .1999010 | F .0138390 | .2013341 | .0968752 |
| Stddev | .0000244 | .0012529 | .0010235 | .0015290   | .0011021 | .0005059 |
| %RSD   | .1131424 | .6731553 | .5120233 | 11.04826   | .5473774 | .5222247 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0215763 | .1866627 | .1990848 | .0124616 | .2019155 | .0974240 |
| #2 | .0215404 | .1846839 | .2010494 | .0135711 | .2020237 | .0967743 |
| #3 | .0215298 | .1870046 | .1995690 | .0154842 | .2000631 | .0964274 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2108715 |
| Stddev | .0005063 |
| %RSD   | .2400979 |

|    |          |
|----|----------|
| #1 | .2114301 |
| #2 | .2107415 |
| #3 | .2104429 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1074.561 | 2185.091 | 35200.62 | 7940.555 | 3508.031 |
| Stddev    | 3.293    | 6.677    | 56.64    | 62.068   | 13.270   |
| %RSD      | .3064578 | .3055885 | .1609148 | .7816520 | .3782721 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1070.823 | 2177.590 | 35142.48 | 7869.638 | 3492.710 |
| #2 | 1075.825 | 2190.385 | 35255.63 | 7984.984 | 3515.865 |
| #3 | 1077.034 | 2187.299 | 35203.75 | 7967.042 | 3515.518 |

Sample Name: PB105865BL      Acquired: 1/23/2018 12:48:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000284 | -.000918 | .0016496 | .0015053 | .0014217 | .0014313 | -.000723 |
| Stddev | .001321  | .002680  | .0017442 | .0000444 | .0004673 | .0077317 | .000280  |
| %RSD   | 464.6994 | 291.9363 | 105.7357 | 2.948722 | 32.87111 | 540.1752 | 38.73957 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000499  | .001126  | .0031117 | .0014946 | .0019482 | .0103539 | -.001046 |
| #2 | .000458  | -.003952 | -.000281 | .0015541 | .0012610 | -.003297 | -.000578 |
| #3 | -.001810 | .000072  | .002118  | .0014673 | .0010559 | -.002763 | -.000546 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001660 | .0001154 | .0051155 | -.000195 | .0001101 | .0016332 | .0041218 |
| Stddev | .0000126 | .0000574 | .0056162 | .000276  | .0001187 | .0013980 | .0055734 |
| %RSD   | 7.577380 | 49.70698 | 109.7884 | 141.5841 | 107.8140 | 85.60066 | 135.2178 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001795 | .0001672 | .0115610 | -.000389 | -.000015 | .0018994 | .0092520 |
| #2 | .0001547 | .0000537 | .0025130 | .000121  | .000125  | .0001212 | .0049217 |
| #3 | .0001636 | .0001254 | .0012726 | -.000318 | .000220  | .0028789 | -.001808 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000084 | -.013045 | .0000623 | .0002770 | -.057907 | -.000998 | -.001234 |
| Stddev | .000060  | .026821  | .0000372 | .0001367 | .035524  | .000945  | .001918  |
| %RSD   | 70.86507 | 205.6034 | 59.63060 | 49.33096 | 61.34648 | 94.69214 | 155.3833 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000046 | -.038762 | .0000219 | .0002871 | -.027417 | -.001400 | -.000817 |
| #2 | -.000153 | -.015130 | .0000951 | .0004084 | -.049388 | -.001676 | .000440  |
| #3 | -.000053 | .014758  | .0000699 | .0001356 | -.096915 | .000082  | -.003327 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.026589 | -.000483 | .0029398 | -.000103 | .0050377 | -.001257 | -.000270 |
| Stddev | .024556  | .000269  | .0004567 | .000202  | .0012960 | .000295  | .000442  |
| %RSD   | 92.35426 | 55.67232 | 15.53637 | 195.2949 | 25.72656 | 23.46676 | 163.5383 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.013320 | -.000793 | .0033896 | -.000167 | .0036131 | -.001121 | .000218  |
| #2 | -.054926 | -.000326 | .0029533 | .000123  | .0053528 | -.001054 | -.000643 |
| #3 | -.011522 | -.000329 | .0024764 | -.000266 | .0061470 | -.001595 | -.000386 |



Sample Name: PB105865BL      Acquired: 1/23/2018 12:48:09      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000405 | .0015993 | -.000030 |
| Stddev | .000482  | .0004882 | .000033  |
| %RSD   | 118.9317 | 30.52530 | 110.9175 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000061  | .0021209 | -.000064 |
| #2 | -.000375 | .0011533 | -.000027 |
| #3 | -.000901 | .0015239 | .000002  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1117.276 | 2246.514 | 36486.78 | 7976.090 | 3768.006 |
| Stddev    | .206     | 9.018    | 57.80    | 14.661   | 8.763    |
| %RSD      | .0184110 | .4014064 | .1584149 | .1838094 | .2325519 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1117.453 | 2236.342 | 36433.24 | 7973.266 | 3758.031 |
| #2 | 1117.325 | 2253.527 | 36479.03 | 7963.047 | 3774.465 |
| #3 | 1117.050 | 2249.672 | 36548.06 | 7991.957 | 3771.520 |

Sample Name: PB105865BS      Acquired: 1/23/2018 12:52:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0221760 | .0562019 | .0220414 | .0732255 | .1173435 | .4175074 |
| Stddev | .0026710 | .0012891 | .0014820 | .0012503 | .0007639 | .0024903 |
| %RSD   | 12.04460 | 2.293647 | 6.723841 | 1.707505 | .6509691 | .5964666 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0204067 | .0554765 | .0203347 | .0729807 | .1164731 | .4203215 |
| #2 | .0208729 | .0554389 | .0230035 | .0721157 | .1176550 | .4155883 |
| #3 | .0252485 | .0576902 | .0227861 | .0745801 | .1179024 | .4166124 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4065952 | .0105385 | .0104120 | 10.46337 | .0243846 | .0969298 |
| Stddev | .0016235 | .0000581 | .0000729 | .03033   | .0004302 | .0004636 |
| %RSD   | .3992996 | .5509455 | .7001023 | .2899092 | 1.764083 | .4782732 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4072647 | .0105906 | .0104095 | 10.43202 | .0248813 | .0974387 |
| #2 | .4077769 | .0105489 | .0104861 | 10.46552 | .0241357 | .0968193 |
| #3 | .4047440 | .0104759 | .0103404 | 10.49257 | .0241368 | .0965315 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0514105 | .2489943 | .0309074 | 9.834434 | .0808072 | .0186614 |
| Stddev | .0027105 | .0137562 | .0004138 | .031582  | .0006294 | .0004470 |
| %RSD   | 5.272373 | 5.524719 | 1.338780 | .3211418 | .7788456 | 2.395117 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0544052 | .2368916 | .0305623 | 9.851953 | .0807794 | .0190201 |
| #2 | .0507011 | .2639550 | .0307936 | 9.797975 | .0814500 | .0188035 |
| #3 | .0491251 | .2461363 | .0313661 | 9.853374 | .0801922 | .0181607 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.547011 | .0975328 | .1089342 | 9.021407 | F .0268054 | F .0241093 |
| Stddev | .144230  | .0034046 | .0032442 | .104477  | .0003388   | .0006568   |
| %RSD   | 1.510739 | 3.490711 | 2.978143 | 1.158103 | 1.263888   | 2.724248   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.664891 | .0941203 | .1057886 | 9.081426 | .0264560 | .0248677 |
| #2 | 9.589957 | .0975487 | .1122688 | 9.082027 | .0271325 | .0237257 |
| #3 | 9.386186 | .1009294 | .1087452 | 8.900768 | .0268276 | .0237346 |

Sample Name: PB105865BS      Acquired: 1/23/2018 12:52:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0219830 | .1864364 | .1999260 | F .0143631 | .2031931 | .0949056 |
| Stddev | .0002975 | .0024138 | .0012387 | .0006989   | .0003702 | .0006631 |
| %RSD   | 1.353250 | 1.294731 | .6195667 | 4.866105   | .1822155 | .6986689 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0222922 | .1839978 | .1989112 | .0141049 | .2034544 | .0955347 |
| #2 | .0219581 | .1888247 | .1995605 | .0138301 | .2033555 | .0949691 |
| #3 | .0216987 | .1864869 | .2013063 | .0151544 | .2027694 | .0942131 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2111345 |
| Stddev | .0005553 |
| %RSD   | .2630124 |

|    |          |
|----|----------|
| #1 | .2114979 |
| #2 | .2114103 |
| #3 | .2104953 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1075.416 | 2183.425 | 35172.65 | 7962.133 | 3502.835 |
| Stddev    | 4.174    | 6.491    | 159.49   | 51.368   | 3.153    |
| %RSD      | .3881700 | .2972739 | .4534435 | .6451569 | .0900100 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1071.674 | 2190.773 | 34992.34 | 7907.100 | 3503.499 |
| #2 | 1074.657 | 2181.028 | 35230.35 | 7970.488 | 3505.603 |
| #3 | 1079.918 | 2178.474 | 35295.26 | 8008.812 | 3499.403 |

Sample Name: J1224-18      Acquired: 1/23/2018 12:56:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0227609 | -.004887 | .4219471 | .0042850 | .0022149 | 69.14036 | 1.989644 |
| Stddev | .0020689 | .002470  | .0028092 | .0005446 | .0005306 | .22239   | .001195  |
| %RSD   | 9.089526 | 50.53450 | .6657725 | 12.71027 | 23.95595 | .3216460 | .0600769 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0234209 | -.002712 | .4222011 | .0038015 | .0024719 | 68.92044 | 1.990622 |
| #2 | .0204426 | -.004377 | .4246207 | .0048750 | .0025680 | 69.36513 | 1.988312 |
| #3 | .0244193 | -.007572 | .4190195 | .0041783 | .0016047 | 69.13550 | 1.989999 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058636 | .0022788 | 37.89565 | .0803339 | .0341934 | .0664114 | 69.97154 |
| Stddev | .0000515 | .0000481 | .09786   | .0011896 | .0002791 | .0021283 | .13392   |
| %RSD   | .8775866 | 2.112084 | .2582242 | 1.480816 | .8162873 | 3.204677 | .1913887 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0058804 | .0022317 | 37.81132 | .0800819 | .0342395 | .0671183 | 69.90752 |
| #2 | .0058058 | .0022767 | 38.00294 | .0792904 | .0338941 | .0640196 | 70.12545 |
| #3 | .0059045 | .0023279 | 37.87267 | .0816293 | .0344465 | .0680963 | 69.88165 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.683963 | 7.783457 | .0597224 | .0006788 | .6077964 | .1260934 | .2118113 |
| Stddev | .007254  | .008084  | .0002599 | .0001860 | .1187844 | .0016064 | .0016554 |
| %RSD   | .1969099 | .1038604 | .4352363 | 27.39543 | 19.54345 | 1.274009 | .7815536 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.676389 | 7.780986 | .0598957 | .0006674 | .4821386 | .1279376 | .2105991 |
| #2 | 3.690849 | 7.792489 | .0598479 | .0008702 | .6230090 | .1253433 | .2111374 |
| #3 | 3.684650 | 7.776898 | .0594235 | .0004988 | .7182416 | .1249991 | .2136973 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.119196 | 3.812226 | .0192774 | .0015151 | 3.153819 | 1.916343 | .0047168 |
| Stddev | .031454  | .022590  | .0008028 | .0001804 | .022712  | .018288  | .0014662 |
| %RSD   | 1.008409 | .5925794 | 4.164533 | 11.90626 | .7201316 | .9542919 | 31.08493 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.086962 | 3.810903 | .0192575 | .0014630 | 3.148450 | 1.914625 | .0060850 |
| #2 | 3.120819 | 3.790326 | .0200901 | .0017159 | 3.134273 | 1.898976 | .0048961 |
| #3 | 3.149807 | 3.835449 | .0184848 | .0013666 | 3.178734 | 1.935429 | .0031691 |

Sample Name: J1224-18      Acquired: 1/23/2018 12:56:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1011862 | .0486074 | .2010923 |
| Stddev | .0028294 | .0008234 | .0003748 |
| %RSD   | 2.796248 | 1.694051 | .1863794 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1042465 | .0489706 | .2015131 |
| #2 | .1006470 | .0491867 | .2009696 |
| #3 | .0986652 | .0476648 | .2007942 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1133.667 | 2273.276 | 38113.14 | 9091.627 | 3247.171 |
| Stddev    | 5.639    | 2.680    | 67.73    | 26.779   | 1.834    |
| %RSD      | .4973698 | .1179090 | .1777079 | .2945441 | .0564804 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1128.712 | 2272.225 | 38170.28 | 9076.839 | 3249.037 |
| #2 | 1132.487 | 2276.323 | 38130.80 | 9075.503 | 3247.103 |
| #3 | 1139.802 | 2271.281 | 38038.32 | 9122.539 | 3245.371 |

Sample Name: J1224-19      Acquired: 1/23/2018 13:00:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A18      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0095054 | -.003292 | .0886784 | .0032779 | .0009206 | 36.98434 | 1.257987 |
| Stddev | .0027603 | .001359  | .0019701 | .0011199 | .0002895 | .15641   | .003759  |
| %RSD   | 29.03934 | 41.27562 | 2.221632 | 34.16577 | 31.44348 | .4229134 | .2987724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0084967 | -.002286 | .0864796 | .0019852 | .0009916 | 37.13816 | 1.262321 |
| #2 | .0073913 | -.002752 | .0902830 | .0039538 | .0011680 | 36.82546 | 1.255633 |
| #3 | .0126282 | -.004838 | .0892726 | .0038947 | .0006023 | 36.98940 | 1.256006 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034958 | .0011767 | 15.58267 | .0414396 | .0123042 | .0376972 | 26.12477 |
| Stddev | .0000621 | .0000830 | .11279   | .0005347 | .0001701 | .0007200 | .09323   |
| %RSD   | 1.776820 | 7.050190 | .7238388 | 1.290312 | 1.382424 | 1.909916 | .3568575 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035670 | .0010841 | 15.45676 | .0412296 | .0121438 | .0373474 | 26.04669 |
| #2 | .0034530 | .0012442 | 15.61679 | .0420474 | .0122862 | .0385253 | 26.09963 |
| #3 | .0034673 | .0012016 | 15.67446 | .0410418 | .0124826 | .0372190 | 26.22799 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8902548 | 4.928193 | .0317888 | .0003797 | .4748518 | .0593215 | .1290844 |
| Stddev | .0026664 | .038174  | .0003315 | .0002173 | .0209436 | .0019818 | .0058852 |
| %RSD   | .2995148 | .7746055 | 1.042930 | 57.21195 | 4.410546 | 3.340712 | 4.559206 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8878103 | 4.952137 | .0318544 | .0006078 | .4559714 | .0599261 | .1240755 |
| #2 | .8898559 | 4.884170 | .0314294 | .0001751 | .4712046 | .0571079 | .1276114 |
| #3 | .8930982 | 4.948271 | .0320826 | .0003564 | .4973795 | .0609305 | .1355661 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.022547 | 2.090450 | .0090973 | .0012542 | 3.286494 | 2.043855 | .0039146 |
| Stddev | .034620  | .022236  | .0001953 | .0004142 | .010752  | .008574  | .0007922 |
| %RSD   | 1.711694 | 1.063700 | 2.146288 | 33.02548 | .3271466 | .4194823 | 20.23614 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.052715 | 2.108625 | .0090723 | .0008243 | 3.286770 | 2.035972 | .0030466 |
| #2 | 1.984748 | 2.097068 | .0093039 | .0012878 | 3.297105 | 2.052983 | .0045985 |
| #3 | 2.030177 | 2.065656 | .0089158 | .0016506 | 3.275607 | 2.042609 | .0040986 |

Sample Name: J1224-19      Acquired: 1/23/2018 13:00:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A18      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0840478 | .0224272 | .1121978 |
| Stddev | .0002237 | .0002987 | .0001932 |
| %RSD   | .2661195 | 1.331906 | .1722257 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0843052 | .0227619 | .1124208 |
| #2 | .0839373 | .0223318 | .1120932 |
| #3 | .0839009 | .0221878 | .1120794 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1100.230 | 2225.812 | 37119.22 | 8736.887 | 3399.898 |
| Stddev    | 9.960    | 12.575   | 69.26    | 7.941    | 9.386    |
| %RSD      | .9052498 | .5649462 | .1865782 | .0908923 | .2760815 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1106.814 | 2213.148 | 37196.05 | 8741.650 | 3394.264 |
| #2 | 1105.105 | 2238.295 | 37100.05 | 8727.720 | 3410.734 |
| #3 | 1088.772 | 2225.994 | 37061.57 | 8741.292 | 3394.697 |

Sample Name: CCV077      Acquired: 1/23/2018 13:43:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV077      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.136871 | 5.244484 | 26.68722 | 5.047854 | 5.125431 | 366.8524 |
| Stddev | .011979  | .003382  | .02452   | .008166  | .018284  | 1.7019   |
| %RSD   | .2332006 | .0644881 | .0918748 | .1617724 | .3567344 | .4639064 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.135210 | 5.241473 | 26.65969 | 5.052864 | 5.139971 | 364.9202 |
| #2 | 5.125809 | 5.243836 | 26.69525 | 5.052268 | 5.131419 | 367.5082 |
| #3 | 5.149594 | 5.248144 | 26.70672 | 5.038431 | 5.104904 | 368.1288 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.06875 | .5202219 | 2.736216 | 415.0202 | 15.76114 | 2.722019 |
| Stddev | .05537   | .0030334 | .009125  | 2.4926   | .03555   | .006556  |
| %RSD   | .5499473 | .5830951 | .3335071 | .6006008 | .2255750 | .2408508 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.00931 | .5229277 | 2.728877 | 412.2001 | 15.72470 | 2.717809 |
| #2 | 10.11888 | .5207951 | 2.733337 | 416.9286 | 15.79574 | 2.718675 |
| #3 | 10.07805 | .5169428 | 2.746434 | 415.9319 | 15.76298 | 2.729573 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 16.08696 | 405.0597 | 14.81320 | 419.6710 | 2.697547 | F 1.566842 |
| Stddev | .03360   | 2.5282   | .06935   | 1.1318   | .004521  | .006763    |
| %RSD   | .2088839 | .6241433 | .4681568 | .2696920 | .1676077 | .4316435   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 16.12569 | 402.1580 | 14.73474 | 418.4773 | 2.696850 | 1.566290 |
| #2 | 16.06553 | 406.7877 | 14.86629 | 420.7286 | 2.693415 | 1.560372 |
| #3 | 16.06967 | 406.2333 | 14.83858 | 419.8072 | 2.702377 | 1.573865 |

|        |          |            |          |          |            |          |
|--------|----------|------------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924     | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm        | ppm      |
| Avg    | 404.5539 | F 2.046152 | 14.27572 | 153.3268 | F 5.638325 | 5.042701 |
| Stddev | .7844    | .005020    | .30070   | .2655    | .014367    | .018744  |
| %RSD   | .1938975 | .2453357   | 2.106400 | .1731404 | .2548134   | .3717044 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 403.6962 | 2.041288 | 14.03948 | 153.6282 | 5.637486 | 5.056885 |
| #2 | 405.2350 | 2.051315 | 14.17346 | 153.2246 | 5.624396 | 5.049767 |
| #3 | 404.7306 | 2.045852 | 14.61422 | 153.1276 | 5.653094 | 5.021452 |



Sample Name: CCV077      Acquired: 1/23/2018 13:43:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV077      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.062282 | 5.575930 | 4.985799 | 5.460749 | 5.206937 | 5.207515 |
| Stddev | .010366  | .018134  | .031563  | .002579  | .010884  | .012329  |
| %RSD   | .2047662 | .3252260 | .6330677 | .0472298 | .2090222 | .2367609 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.072019 | 5.566798 | 5.020487 | 5.463674 | 5.198793 | 5.218698 |
| #2 | 5.063443 | 5.564177 | 4.978142 | 5.459774 | 5.219298 | 5.194294 |
| #3 | 5.051385 | 5.596815 | 4.958770 | 5.458800 | 5.202719 | 5.209551 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.184833 |
| Stddev | .064257  |
| %RSD   | 1.239320 |

|    |          |
|----|----------|
| #1 | 5.167102 |
| #2 | 5.256094 |
| #3 | 5.131304 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 791.3810 | 1793.554 | 28666.63 | 7275.324 | 2266.787 |
| Stddev    | 7.3554   | 2.024    | 122.29   | 62.823   | 3.399    |
| %RSD      | .9294406 | .1128347 | .4265812 | .8635076 | .1499632 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 793.1574 | 1791.887 | 28671.56 | 7228.661 | 2269.101 |
| #2 | 797.6855 | 1792.968 | 28786.37 | 7250.556 | 2268.375 |
| #3 | 783.3001 | 1795.806 | 28541.95 | 7346.756 | 2262.884 |

Sample Name: CCB077      Acquired: 1/23/2018 13:48:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB077      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015445 | -.000396 | .0030166 | .0022262 | .0008434 | .0459700 | .0009001 |
| Stddev | .0031753 | .001059  | .0008439 | .0001445 | .0008775 | .0028189 | .0001518 |
| %RSD   | 205.5831 | 267.1923 | 27.97645 | 6.491512 | 104.0456 | 6.131999 | 16.86913 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051682 | -.001390 | .0037731 | .0023421 | .0015534 | .0470917 | .0010074 |
| #2 | .0002166 | -.000516 | .0031704 | .0022722 | -.000138 | .0480553 | .0009665 |
| #3 | -.000751 | .000718  | .0021063 | .0020643 | .001115  | .0427629 | .0007263 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001380 | .0003661 | .0535202 | .0017536 | .0001534 | -.005491 | .0571503 |
| Stddev | .0000247 | .0000389 | .0028515 | .0003507 | .0002768 | .000380  | .0101637 |
| %RSD   | 17.89727 | 10.61891 | 5.327929 | 19.99611 | 180.4577 | 6.927503 | 17.78412 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001635 | .0003531 | .0567303 | .0013601 | .0004701 | -.005401 | .0685266 |
| #2 | .0001142 | .0003354 | .0512806 | .0018680 | -.000042 | -.005163 | .0489653 |
| #3 | .0001364 | .0004098 | .0525496 | .0020329 | .000032  | -.005908 | .0539588 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016594 | .0647618 | .0002860 | .0003002 | .3680391 | -.000417 | -.005421 |
| Stddev | .0001251 | .0066417 | .0001778 | .0002465 | .0670636 | .001591  | .002913  |
| %RSD   | 7.535411 | 10.25565 | 62.14628 | 82.09989 | 18.22188 | 381.1110 | 53.74329 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016539 | .0599848 | .0003682 | .0004450 | .2909465 | -.000474 | -.002708 |
| #2 | .0017872 | .0619543 | .0000821 | .0000156 | .4002544 | -.001979 | -.008500 |
| #3 | .0015373 | .0723462 | .0004078 | .0004399 | .4129164 | .001201  | -.005054 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.390247 | -.001562 | .0088081 | .0010303 | .0057486 | -.000063 | .0009467 |
| Stddev | .014483  | .003396  | .0010539 | .0001107 | .0003087 | .001146  | .0009484 |
| %RSD   | 1.041721 | 217.5013 | 11.96461 | 10.74467 | 5.370553 | 1826.374 | 100.1869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.399012 | -.004882 | .0099434 | .0009245 | .0059609 | .001258  | .0001433 |
| #2 | 1.373531 | -.001710 | .0086196 | .0010211 | .0058905 | -.000799 | .0007037 |
| #3 | 1.398198 | .001906  | .0078612 | .0011453 | .0053945 | -.000647 | .0019929 |

Sample Name: CCB077      Acquired: 1/23/2018 13:48:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB077      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0008429 | .0073426 | .0006080 |
| Stddev | .0004322 | .0001291 | .0000339 |
| %RSD   | 51.27377 | 1.757923 | 5.579828 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0003526 | .0072171 | .0006423 |
| #2 | .0011685 | .0073358 | .0006074 |
| #3 | .0010076 | .0074750 | .0005744 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 986.8932 | 2269.978 | 34760.47 | 7783.564 | 3567.243 |
| Stddev    | 3.5949   | 8.384    | 125.42   | 65.586   | 9.802    |
| %RSD      | .3642607 | .3693231 | .3608253 | .8426251 | .2747761 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 986.2463 | 2262.957 | 34623.19 | 7708.096 | 3558.487 |
| #2 | 990.7676 | 2267.716 | 34869.07 | 7815.827 | 3565.409 |
| #3 | 983.6657 | 2279.260 | 34789.15 | 7826.770 | 3577.831 |

Sample Name: J1224-20      Acquired: 1/23/2018 13:55:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A19      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0332292 | -.005373 | .1507305 | .0046399 | .0022608 | 47.61168 | 1.497214 |
| Stddev | .0062648 | .000956  | .0072345 | .0023247 | .0018397 | .07667   | .002764  |
| %RSD   | 18.85317 | 17.80143 | 4.799602 | 50.10185 | 81.37424 | .1610310 | .1846050 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0352480 | -.006434 | .1558662 | .0043128 | .0043503 | 47.57078 | 1.495581 |
| #2 | .0382356 | -.005109 | .1538684 | .0024961 | .0015478 | 47.70013 | 1.495655 |
| #3 | .0262039 | -.004576 | .1424569 | .0071109 | .0008844 | 47.56414 | 1.500405 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0049673 | .0010234 | 16.09743 | .0626553 | .0199984 | .0337382 | 60.12910 |
| Stddev | .0001466 | .0000911 | .13240   | .0006412 | .0008310 | .0006044 | .15804   |
| %RSD   | 2.950926 | 8.899747 | .8225130 | 1.023341 | 4.155366 | 1.791397 | .2628409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0050539 | .0011278 | 15.95472 | .0632994 | .0206786 | .0331542 | 59.94965 |
| #2 | .0050501 | .0009818 | 16.21628 | .0626496 | .0202444 | .0343611 | 60.24757 |
| #3 | .0047981 | .0009606 | 16.12128 | .0620171 | .0190722 | .0336993 | 60.19007 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.377251 | 6.813152 | .0405528 | .0001754 | .9277745 | .0807786 | .1435644 |
| Stddev | .003946  | .046262  | .0017464 | .0002358 | .0113717 | .0021439 | .0013858 |
| %RSD   | .2864921 | .6790079 | 4.306432 | 134.4228 | 1.225694 | 2.654071 | .9652540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.373145 | 6.790237 | .0417561 | -.000039 | .9150937 | .0788996 | .1450518 |
| #2 | 1.377593 | 6.782819 | .0413526 | .000428  | .9311633 | .0803223 | .1433317 |
| #3 | 1.381014 | 6.866398 | .0385498 | .000138  | .9370666 | .0831140 | .1423098 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.897411 | 2.417976 | .0136930 | .0013226 | 2.704931 | 2.179962 | .0051352 |
| Stddev | .017293  | .125358  | .0012608 | .0005695 | .114684  | .020486  | .0012791 |
| %RSD   | .5968575 | 5.184418 | 9.207629 | 43.05684 | 4.239807 | .9397456 | 24.90866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.912830 | 2.492083 | .0122571 | .0019711 | 2.767112 | 2.182269 | .0046830 |
| #2 | 2.878713 | 2.488606 | .0146191 | .0009040 | 2.775096 | 2.199197 | .0041436 |
| #3 | 2.900689 | 2.273239 | .0142028 | .0010928 | 2.572586 | 2.158421 | .0065790 |

Sample Name: J1224-20      Acquired: 1/23/2018 13:55:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A19      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0922054 | .0355736 | .1203096 |
| Stddev | .0016948 | .0003235 | .0002607 |
| %RSD   | 1.838046 | .9093543 | .2166830 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0911974 | .0353593 | .1202474 |
| #2 | .0941620 | .0359457 | .1205958 |
| #3 | .0912566 | .0354158 | .1200856 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 985.8809 | 2361.124 | 35660.97 | 8633.102 | 3268.941 |
| Stddev    | 3.8117   | 131.562  | 56.50    | 22.345   | 152.733  |
| %RSD      | .3866282 | 5.571990 | .1584436 | .2588269 | 4.672251 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 986.7110 | 2286.158 | 35596.01 | 8608.764 | 3177.588 |
| #2 | 981.7226 | 2284.181 | 35688.15 | 8637.853 | 3183.972 |
| #3 | 989.2092 | 2513.034 | 35698.75 | 8652.689 | 3445.264 |

Sample Name: J1224-21      Acquired: 1/23/2018 13:59:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A20      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0622182 | -.008865 | .3399159 | .0097396 | .0039481 | 64.62484 | 1.867150 |
| Stddev | .0040559 | .001973  | .0021986 | .0012160 | .0016279 | .06688   | .002684  |
| %RSD   | 6.518840 | 22.25757 | .6468039 | 12.48528 | 41.23139 | .1034863 | .1437243 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0576205 | -.010786 | .3410066 | .0111414 | .0028641 | 64.68244 | 1.866636 |
| #2 | .0637448 | -.006843 | .3413559 | .0091095 | .0031603 | 64.64058 | 1.864760 |
| #3 | .0652893 | -.008965 | .3373853 | .0089681 | .0058200 | 64.55149 | 1.870053 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0067951 | .0009470 | 16.31012 | .0922355 | .0621562 | .0731303 | 115.0556 |
| Stddev | .0000199 | .0000809 | .12264   | .0002500 | .0002813 | .0009882 | .4931    |
| %RSD   | .2924526 | 8.537652 | .7519011 | .2710342 | .4525860 | 1.351230 | .4285776 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067723 | .0010045 | 16.17561 | .0920079 | .0620146 | .0732828 | 114.5057 |
| #2 | .0068090 | .0008546 | 16.33905 | .0921956 | .0624801 | .0720747 | 115.2028 |
| #3 | .0068040 | .0009820 | 16.41571 | .0925030 | .0619738 | .0740333 | 115.4584 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.716797 | 9.190260 | .0555354 | .0001322 | 1.091530 | .1502595 | .1977788 |
| Stddev | .023737  | .079680  | .0004407 | .0001247 | .025159  | .0003929 | .0053798 |
| %RSD   | .3075955 | .8670073 | .7934744 | 94.29336 | 2.304913 | .2614844 | 2.720111 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.689411 | 9.110315 | .0560442 | .0001192 | 1.072944 | .1506442 | .1929890 |
| #2 | 7.729534 | 9.269673 | .0552863 | .0000146 | 1.081488 | .1498589 | .2035994 |
| #3 | 7.731446 | 9.190792 | .0552757 | .0002629 | 1.120159 | .1502755 | .1967479 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.653640 | 3.111250 | .0267734 | .0026253 | 2.787119 | 2.268244 | .0071457 |
| Stddev | .028655  | .003318  | .0017727 | .0002825 | .010167  | .042028  | .0011014 |
| %RSD   | .7842796 | .1066382 | 6.621141 | 10.75969 | .3647906 | 1.852889 | 15.41314 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.686576 | 3.114093 | .0262833 | .0028659 | 2.787417 | 2.275541 | .0080979 |
| #2 | 3.639915 | 3.107605 | .0252973 | .0026957 | 2.776806 | 2.306146 | .0073998 |
| #3 | 3.634430 | 3.112053 | .0287395 | .0023143 | 2.797134 | 2.223045 | .0059395 |

Sample Name: J1224-21      Acquired: 1/23/2018 13:59:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A20      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1311620 | .0434187 | .1286401 |
| Stddev | .0007421 | .0006972 | .0001218 |
| %RSD   | .5657582 | 1.605789 | .0946601 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1304921 | .0427330 | .1285069 |
| #2 | .1310344 | .0441269 | .1287457 |
| #3 | .1319596 | .0433961 | .1286676 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 990.8430 | 2284.427 | 35991.49 | 8714.637 | 3101.275 |
| Stddev    | 7.4804   | 7.276    | 134.56   | 34.867   | 9.192    |
| %RSD      | .7549574 | .3184875 | .3738760 | .4000966 | .2963927 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 983.6057 | 2281.662 | 35840.99 | 8677.036 | 3090.788 |
| #2 | 998.5449 | 2292.680 | 36100.19 | 8720.972 | 3107.935 |
| #3 | 990.3785 | 2278.939 | 36033.29 | 8745.902 | 3105.102 |

Sample Name: J1224-22      Acquired: 1/23/2018 14:04:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A21      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0508846 | -.010617 | .2130857 | .0057325 | .0018539 | 51.14766 | 1.236666 |
| Stddev | .0026098 | .000623  | .0024312 | .0014814 | .0011009 | .07669   | .003427  |
| %RSD   | 5.128775 | 5.865781 | 1.140948 | 25.84283 | 59.38154 | .1499437 | .2771020 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0529934 | -.009947 | .2120135 | .0060232 | .0025498 | 51.09090 | 1.233661 |
| #2 | .0479659 | -.011179 | .2158687 | .0041273 | .0024272 | 51.23491 | 1.235938 |
| #3 | .0516944 | -.010725 | .2113750 | .0070471 | .0005847 | 51.11717 | 1.240398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041470 | .0000361 | 12.65874 | .0894831 | .0253571 | .0333267 | 94.50287 |
| Stddev | .0000732 | .0000314 | .05836   | .0003223 | .0002378 | .0004998 | .41883   |
| %RSD   | 1.765752 | 87.21195 | .4610101 | .3601462 | .9378766 | 1.499694 | .4431962 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0040951 | .0000436 | 12.59321 | .0894693 | .0250864 | .0335196 | 94.27775 |
| #2 | .0042308 | .0000015 | 12.67793 | .0898121 | .0255326 | .0337013 | 94.24474 |
| #3 | .0041152 | .0000630 | 12.70509 | .0891680 | .0254523 | .0327592 | 94.98612 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.520421 | 7.921706 | .0442217 | .0004060 | .9156970 | .1517382 | .1283714 |
| Stddev | .010910  | .026619  | .0006704 | .0003927 | .0649455 | .0012747 | .0035739 |
| %RSD   | .7175651 | .3360230 | 1.516043 | 96.72145 | 7.092461 | .8400492 | 2.784037 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.512055 | 7.926744 | .0439513 | .0004662 | .8485164 | .1526550 | .1283185 |
| #2 | 1.516446 | 7.892929 | .0437287 | .0007652 | .9781488 | .1502826 | .1248242 |
| #3 | 1.532761 | 7.945446 | .0449851 | -.000013 | .9204258 | .1522771 | .1319714 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.532006 | 1.735602 | .0221777 | .0039449 | 1.579916 | 2.486317 | .0049223 |
| Stddev | .014354  | .004139  | .0022836 | .0001810 | .013530  | .020340  | .0007802 |
| %RSD   | .5669168 | .2384657 | 10.29706 | 4.587983 | .8564002 | .8180768 | 15.84953 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.526641 | 1.732553 | .0203101 | .0037411 | 1.593804 | 2.502061 | .0050172 |
| #2 | 2.548271 | 1.733940 | .0214993 | .0040870 | 1.566774 | 2.463351 | .0040991 |
| #3 | 2.521107 | 1.740314 | .0247237 | .0040066 | 1.579171 | 2.493537 | .0056507 |



Sample Name: J1224-22      Acquired: 1/23/2018 14:04:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A21      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1837703 | .0427579 | .1168239 |
| Stddev | .0015755 | .0004549 | .0001696 |
| %RSD   | .8573165 | 1.063964 | .1452126 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1836740 | .0423214 | .1166341 |
| #2 | .1853917 | .0432293 | .1169607 |
| #3 | .1822451 | .0427230 | .1168770 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 931.6739 | 2155.508 | 34133.46 | 8269.038 | 3098.202 |
| Stddev    | 3.1557   | 1.526    | 85.10    | 17.368   | 4.489    |
| %RSD      | .3387172 | .0708131 | .2493192 | .2100352 | .1448945 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 928.0790 | 2153.922 | 34065.66 | 8249.969 | 3093.186 |
| #2 | 933.9873 | 2156.967 | 34105.77 | 8273.194 | 3101.842 |
| #3 | 932.9553 | 2155.634 | 34228.96 | 8283.950 | 3099.578 |

Sample Name: J1226-11      Acquired: 1/23/2018 14:11:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6D42      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000445 | .0006787 | .0003503 | -.001742 | -.000490 | .0099533 | -.000120 |
| Stddev | .001991  | .0013638 | .0001060 | .001718  | .000408  | .0015594 | .000162  |
| %RSD   | 447.2459 | 200.9465 | 30.26953 | 98.58762 | 83.18236 | 15.66722 | 135.3406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001842 | .0017320 | .0004426 | -.002718 | -.000079 | .0091330 | -.000138 |
| #2 | .001835  | .0011659 | .0003738 | .000241  | -.000894 | .0089753 | .000051  |
| #3 | -.001329 | -.000862 | .0002345 | -.002751 | -.000497 | .0117517 | -.000273 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002001 | .0000809 | .0143595 | -.000125 | .0000369 | -.006682 | .0041610 |
| Stddev | .0000916 | .0001305 | .0018002 | .000512  | .0001275 | .000924  | .0064800 |
| %RSD   | 45.78337 | 161.3127 | 12.53685 | 410.5345 | 345.1002 | 13.83102 | 155.7329 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001670 | .0002056 | .0124006 | -.000498 | .0000319 | -.006357 | -.001411 |
| #2 | .0003036 | -.000055 | .0147366 | -.000336 | .0001669 | -.007725 | .002623  |
| #3 | .0001295 | .000092  | .0159414 | .000459  | -.000088 | -.005965 | .011272  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000010 | .0092678 | .0002622 | .0000609 | .2336509 | .0004103 | -.001620 |
| Stddev | .0001026 | .0210321 | .0003802 | .0001613 | .0588721 | .0001495 | .001257  |
| %RSD   | 10248.43 | 226.9358 | 144.9906 | 264.8850 | 25.19659 | 36.45150 | 77.61418 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000003 | -.006736 | -.000166 | -.000034 | .1757414 | .0005810 | -.002485 |
| #2 | -.000100 | .001450  | .000559  | .000247  | .2934405 | .0003027 | -.000178 |
| #3 | .000105  | .033089  | .000394  | -.000031 | .2317709 | .0003471 | -.002197 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.460873 | -.002865 | -.000125 | .0001020 | -.006564 | -.000336 | -.000395 |
| Stddev | .007687  | .002246  | .000173  | .0000367 | .000190  | .000684  | .000527  |
| %RSD   | 1.667938 | 78.40493 | 138.5097 | 35.96936 | 2.892192 | 203.4302 | 133.6352 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.457634 | -.004556 | -.000157 | .0001268 | -.006443 | -.000983 | .000210  |
| #2 | -.469649 | -.003722 | -.000280 | .0001193 | -.006467 | -.000405 | -.000758 |
| #3 | -.455335 | -.000316 | .000062  | .0000598 | -.006783 | .000379  | -.000636 |

Sample Name: J1226-11      Acquired: 1/23/2018 14:11:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6D42      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002491 | -.005659 | -.000028 |
| Stddev | .0004403 | .000305  | .000020  |
| %RSD   | 176.7820 | 5.394593 | 70.43237 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000253 | -.005307 | -.000012 |
| #2 | .000568  | -.005831 | -.000050 |
| #3 | .000432  | -.005840 | -.000022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1027.139 | 2336.231 | 35976.80 | 8250.254 | 3724.000 |
| Stddev    | 3.828    | 11.774   | 69.68    | 54.476   | 9.012    |
| %RSD      | .3727335 | .5039643 | .1936872 | .6602929 | .2419867 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1027.652 | 2349.224 | 36007.82 | 8312.682 | 3733.703 |
| #2 | 1023.079 | 2333.198 | 35896.99 | 8225.722 | 3722.405 |
| #3 | 1030.685 | 2326.270 | 36025.58 | 8212.358 | 3715.893 |

Sample Name: J1226-12      Acquired: 1/23/2018 14:16:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6D43      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026896 | -.000295 | -.000020 | -.000720 | .0005059 | .0065810 | -.000201 |
| Stddev | .0011379 | .001423  | .001313  | .000523  | .0007325 | .0027790 | .000103  |
| %RSD   | 42.30718 | 482.4161 | 6458.881 | 72.65048 | 144.8033 | 42.22814 | 51.10340 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0040007 | .000576  | -.000136 | -.000824 | .0013153 | .0070308 | -.000247 |
| #2 | .0019608 | .000476  | -.001271 | -.000153 | -.000111 | .0036044 | -.000083 |
| #3 | .0021072 | -.001937 | .001346  | -.001184 | .000314  | .0091076 | -.000273 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001396 | .0001441 | .0096077 | -.000124 | -.000070 | -.006597 | .0021993 |
| Stddev | .0000885 | .0000841 | .0091922 | .000269  | .000045  | .000638  | .0075119 |
| %RSD   | 63.42274 | 58.39809 | 95.67511 | 216.3887 | 64.70324 | 9.666257 | 341.5650 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000468 | .0001377 | .0200530 | -.000315 | -.000076 | -.007287 | .0099562 |
| #2 | .0002232 | .0002312 | .0027515 | -.000240 | -.000112 | -.006030 | .0016826 |
| #3 | .0001487 | .0000633 | .0060186 | .000183  | -.000022 | -.006473 | -.005041 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000152 | .0022957 | -.000167 | .0000524 | .3527787 | -.000252 | -.006058 |
| Stddev | .000166  | .0169678 | .000413  | .0000859 | .0875040 | .002462  | .002920  |
| %RSD   | 108.6231 | 739.1287 | 248.0970 | 164.0189 | 24.80423 | 976.5665 | 48.19654 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000269 | .0162560 | -.000095 | .0001474 | .2784998 | -.001416 | -.009283 |
| #2 | -.000225 | .0072207 | .000206  | .0000293 | .4492388 | -.001917 | -.005298 |
| #3 | .000037  | -.016590 | -.000611 | -.000020 | .3305974 | .002576  | -.003594 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.452793 | -.003029 | -.000394 | .0001475 | -.007749 | .0030396 | -.000628 |
| Stddev | .041387  | .000686  | .000474  | .0002144 | .004354  | .0006880 | .001386  |
| %RSD   | 9.140326 | 22.65361 | 120.2518 | 145.3510 | 56.18349 | 22.63313 | 220.8591 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.487779 | -.003219 | .000151  | -.000078 | -.006429 | .0025774 | .000774  |
| #2 | -.463492 | -.002268 | -.000625 | .000348  | -.004209 | .0027112 | -.001998 |
| #3 | -.407107 | -.003600 | -.000709 | .000173  | -.012610 | .0038302 | -.000659 |

Sample Name: J1226-12      Acquired: 1/23/2018 14:16:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6D43      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003672 | -.005402 | -.000050 |
| Stddev | .0003690 | .000175  | .000036  |
| %RSD   | 100.5063 | 3.240057 | 70.69093 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000053 | -.005495 | -.000072 |
| #2 | .000641  | -.005200 | -.000070 |
| #3 | .000513  | -.005510 | -.000009 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 998.3038 | 2249.861 | 35389.11 | 8117.683 | 3606.755 |
| Stddev    | 7.9770   | 9.933    | 204.02   | 28.087   | 8.975    |
| %RSD      | .7990509 | .4415098 | .5765116 | .3459957 | .2488464 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 992.7754 | 2258.028 | 35200.08 | 8122.486 | 3610.417 |
| #2 | 994.6876 | 2252.752 | 35361.85 | 8143.058 | 3613.321 |
| #3 | 1007.448 | 2238.803 | 35605.39 | 8087.504 | 3596.528 |

Sample Name: J1226-21      Acquired: 1/23/2018 14:21:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6D44      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041531 | .0018520 | -.000321 | .0003601 | .0000565 | .0048090 | -.000567 |
| Stddev | .0021218 | .0012154 | .000407  | .0038039 | .0002699 | .0044414 | .000343  |
| %RSD   | 51.08966 | 65.62756 | 126.6695 | 1056.224 | 477.8418 | 92.35661 | 60.35978 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0021756 | .0019679 | -.000241 | -.003010 | -.000082 | .0095711 | -.000239 |
| #2 | .0063945 | .0005828 | .000039  | -.000394 | .000367  | .0040764 | -.000541 |
| #3 | .0038893 | .0030052 | -.000763 | .004484  | -.000116 | .0007794 | -.000923 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001570 | .0001372 | .0029273 | -.000373 | -.000160 | -.006277 | -.002253 |
| Stddev | .0000259 | .0000342 | .0053514 | .000493  | .000045  | .000513  | .002429  |
| %RSD   | 16.49077 | 24.89115 | 182.8099 | 132.2306 | 28.10493 | 8.178186 | 107.7945 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001272 | .0001018 | .0086689 | -.000730 | -.000193 | -.005822 | -.000397 |
| #2 | .0001692 | .0001699 | .0020345 | .000190  | -.000179 | -.006833 | -.005002 |
| #3 | .0001745 | .0001400 | -.001922 | -.000579 | -.000109 | -.006175 | -.001361 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000287 | -.009655 | -.000017 | -.000073 | .2226142 | -.001560 | -.003545 |
| Stddev | .000145  | .005775  | .000244  | .000085  | .1432996 | .001477  | .001434  |
| %RSD   | 50.66230 | 59.81912 | 1412.880 | 115.5284 | 64.37129 | 94.68223 | 40.44050 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000415 | -.016265 | -.000174 | .000002  | .3880567 | -.002549 | -.002632 |
| #2 | -.000316 | -.007117 | .000263  | -.000165 | .1424144 | -.002269 | -.002806 |
| #3 | -.000129 | -.005583 | -.000141 | -.000057 | .1373714 | .000138  | -.005198 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.458904 | -.003053 | -.000163 | -.000033 | -.008957 | -.000113 | -.001606 |
| Stddev | .008954  | .001421  | .000672  | .000265  | .003573  | .000717  | .000589  |
| %RSD   | 1.951080 | 46.53610 | 412.3771 | 805.6154 | 39.88842 | 631.8115 | 36.69801 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.468333 | -.001868 | -.000821 | .000044  | -.004954 | -.000403 | -.001310 |
| #2 | -.450517 | -.004628 | .000523  | .000185  | -.011824 | .000703  | -.002284 |
| #3 | -.457862 | -.002663 | -.000192 | -.000327 | -.010094 | -.000640 | -.001223 |

Sample Name: J1226-21      Acquired: 1/23/2018 14:21:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6D44      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002832 | -.005895 | -.000071 |
| Stddev | .0001234 | .000453  | .000004  |
| %RSD   | 43.57545 | 7.687732 | 5.943363 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0001436 | -.006413 | -.000066 |
| #2 | .0003777 | -.005573 | -.000071 |
| #3 | .0003283 | -.005698 | -.000075 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 997.1295 | 2253.655 | 35319.90 | 8155.718 | 3624.346 |
| Stddev    | 3.7123   | 13.000   | 117.93   | 53.390   | 15.306   |
| %RSD      | .3722970 | .5768474 | .3338952 | .6546296 | .4223113 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1001.376 | 2267.750 | 35394.10 | 8217.364 | 3638.532 |
| #2 | 995.514  | 2251.081 | 35381.68 | 8125.433 | 3626.381 |
| #3 | 994.499  | 2242.134 | 35183.91 | 8124.357 | 3608.124 |

Sample Name: CCV078      Acquired: 1/23/2018 14:36:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV078      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.976716 | 4.977826 | 25.93858 | 4.953899 | 4.958383 | 369.3119 |
| Stddev | .008324  | .016944  | .04088   | .013751  | .023229  | 4.5741   |
| %RSD   | .1672559 | .3403921 | .1576040 | .2775752 | .4684825 | 1.238551 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.968034 | 4.962168 | 25.91368 | 4.941188 | 4.945428 | 364.7816 |
| #2 | 4.984628 | 4.975495 | 25.91629 | 4.952014 | 4.985201 | 369.2256 |
| #3 | 4.977486 | 4.995815 | 25.98575 | 4.968495 | 4.944520 | 373.9286 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.936276 | .5173812 | 2.653472 | 402.6372 | 14.83509 | 2.670154 |
| Stddev | .086408  | .0019333 | .011366  | 1.7335   | .03639   | .003639  |
| %RSD   | .8696208 | .3736618 | .4283619 | .4305473 | .2452883 | .1363022 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.860890 | .5178382 | 2.657256 | 400.9852 | 14.85580 | 2.666768 |
| #2 | 9.917364 | .5190451 | 2.640696 | 404.4421 | 14.85639 | 2.669691 |
| #3 | 10.03057 | .5152604 | 2.662464 | 402.4843 | 14.79307 | 2.674003 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 16.16449 | 406.9110 | 14.60938 | 423.2783 | 2.645636 | F 1.465963 |
| Stddev | .02797   | 1.6356   | .07529   | 2.1591   | .003059  | .003085    |
| %RSD   | .1730601 | .4019451 | .5153268 | .5100866 | .1156377 | .2104617   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 16.16793 | 405.2519 | 14.54231 | 421.1956 | 2.644927 | 1.468620 |
| #2 | 16.19058 | 408.5219 | 14.69081 | 425.5064 | 2.642994 | 1.466688 |
| #3 | 16.13495 | 406.9591 | 14.59502 | 423.1327 | 2.648988 | 1.462579 |

|        |          |            |            |          |          |            |
|--------|----------|------------|------------|----------|----------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm        |
| Avg    | 405.8881 | F 1.991221 | F 13.06977 | 148.7734 | 5.414968 | F 5.719844 |
| Stddev | 1.1155   | .013099    | .11153     | .0336    | .008785  | .015916    |
| %RSD   | .2748323 | .6578563   | .8533391   | .0225647 | .1622365 | .2782612   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 404.6209 | 2.006029 | 13.16082 | 148.8045 | 5.424846 | 5.715610 |
| #2 | 406.7217 | 1.986484 | 12.94537 | 148.7378 | 5.412027 | 5.737449 |
| #3 | 406.3217 | 1.981148 | 13.10310 | 148.7779 | 5.408030 | 5.706473 |



Sample Name: CCV078      Acquired: 1/23/2018 14:36:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV078      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.852525 | 5.472458 | 4.909247 | 5.300133 | 5.097170 | 4.696242 |
| Stddev | .000687  | .015436  | .006272  | .016716  | .017102  | .009605  |
| %RSD   | .0141522 | .2820657 | .1277600 | .3153867 | .3355153 | .2045212 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.851742 | 5.487559 | 4.913797 | 5.282113 | 5.109168 | 4.707229 |
| #2 | 4.853025 | 5.473108 | 4.911852 | 5.315134 | 5.104754 | 4.689437 |
| #3 | 4.852808 | 5.456708 | 4.902092 | 5.303151 | 5.077588 | 4.692061 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.164644 |
| Stddev | .025118  |
| %RSD   | .4863445 |

|    |          |
|----|----------|
| #1 | 5.136456 |
| #2 | 5.172824 |
| #3 | 5.184653 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 789.8249 | 1740.120 | 28807.11 | 7061.671 | 2182.273 |
| Stddev    | 7.3541   | 1.471    | 34.06    | 7.045    | 1.289    |
| %RSD      | .9311058 | .0845356 | .1182242 | .0997691 | .0590659 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 783.0619 | 1741.069 | 28779.53 | 7059.293 | 2183.060 |
| #2 | 797.6538 | 1738.425 | 28845.18 | 7069.597 | 2182.974 |
| #3 | 788.7589 | 1740.865 | 28796.63 | 7056.121 | 2180.786 |

Sample Name: CCB078      Acquired: 1/23/2018 14:40:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB078      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007573 | .0006137 | .0059066 | .0037376 | .0060905 | .0341129 | -.000124 |
| Stddev | .0024788 | .0018340 | .0015090 | .0015111 | .0006294 | .0018068 | .000138  |
| %RSD   | 327.3268 | 298.8403 | 25.54757 | 40.42839 | 10.33434 | 5.296419 | 111.1419 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035318 | -.001083 | .0041785 | .0054335 | .0066008 | .0340646 | -.000277 |
| #2 | -.000021 | .002560  | .0069637 | .0032451 | .0053872 | .0323307 | -.000009 |
| #3 | -.001239 | .000364  | .0065775 | .0025343 | .0062835 | .0359432 | -.000087 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000108 | .0006377 | .0364897 | .0011062 | .0002674 | -.005312 | .0404491 |
| Stddev | .0000734 | .0000821 | .0046851 | .0006021 | .0000635 | .001341  | .0069936 |
| %RSD   | 677.3922 | 12.87434 | 12.83949 | 54.43555 | 23.73734 | 25.24281 | 17.28993 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000858 | .0006135 | .0393123 | .0007812 | .0003342 | -.005432 | .0482143 |
| #2 | .0000076 | .0007292 | .0390753 | .0007363 | .0002079 | -.006589 | .0346463 |
| #3 | -.000061 | .0005705 | .0310815 | .0018010 | .0002602 | -.003915 | .0384868 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014157 | .0386371 | .0003934 | -.002740 | .4434670 | -.000267 | -.003379 |
| Stddev | .0005721 | .0139679 | .0002471 | .000218  | .1052368 | .000507  | .001062  |
| %RSD   | 40.41472 | 36.15138 | 62.82687 | 7.948235 | 23.73046 | 189.9450 | 31.44033 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015949 | .0236870 | .0005224 | -.002525 | .5588933 | -.000734 | -.002162 |
| #2 | .0018767 | .0513535 | .0001084 | -.002961 | .4186530 | -.000337 | -.003854 |
| #3 | .0007753 | .0408709 | .0005492 | -.002735 | .3528546 | .000271  | -.004122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.405522 | -.001948 | .0098548 | .0011695 | -.021361 | .0012842 | .0009384 |
| Stddev | .054814  | .002189  | .0004788 | .0002508 | .001486  | .0003930 | .0001622 |
| %RSD   | 3.899870 | 112.3548 | 4.858054 | 21.44908 | 6.957925 | 30.59911 | 17.28214 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.369425 | -.001513 | .0103518 | .0009452 | -.019648 | .0017221 | .0009883 |
| #2 | 1.378546 | -.000010 | .0098160 | .0011228 | -.022304 | .0009623 | .0007572 |
| #3 | 1.468596 | -.004323 | .0093967 | .0014404 | -.022132 | .0011683 | .0010699 |

Sample Name: CCB078      Acquired: 1/23/2018 14:40:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB078      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002985 | -.001533 | .0006470 |
| Stddev | .0002691 | .000311  | .0000047 |
| %RSD   | 90.15152 | 20.31969 | .7201095 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006025 | -.001586 | .0006491 |
| #2 | .0002026 | -.001198 | .0006503 |
| #3 | .0000905 | -.001814 | .0006417 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 972.0450 | 2145.029 | 34580.09 | 7612.295 | 3429.657 |
| Stddev    | 1.8744   | 6.307    | 115.44   | 11.985   | 4.347    |
| %RSD      | .1928341 | .2940140 | .3338412 | .1574402 | .1267355 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 970.3445 | 2137.974 | 34464.43 | 7598.748 | 3424.884 |
| #2 | 971.7356 | 2150.119 | 34580.54 | 7616.621 | 3430.700 |
| #3 | 974.0549 | 2146.995 | 34695.31 | 7621.516 | 3433.388 |

Sample Name: J1225-01      Acquired: 1/23/2018 14:45:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A63      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1713502 | -.014505 | .3036041 | -.001664 | .0052585 | 131.3898 | 4.171915 |
| Stddev | .0005507 | .006857  | .0020507 | .001743  | .0008429 | .5045    | .020920  |
| %RSD   | .3213894 | 47.27419 | .6754608 | 104.7443 | 16.02914 | .3839730 | .5014512 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1707323 | -.014868 | .3056306 | -.003501 | .0044891 | 131.4841 | 4.187647 |
| #2 | .1717891 | -.021174 | .3036517 | -.000033 | .0051271 | 130.8448 | 4.148173 |
| #3 | .1715293 | -.007474 | .3015300 | -.001458 | .0061594 | 131.8405 | 4.179925 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0129325 | .0024608 | 113.3169 | .2328546 | .1746829 | .1540378 | 252.0277 |
| Stddev | .0000725 | .0000947 | .4414    | .0009192 | .0003520 | .0017693 | 1.3049   |
| %RSD   | .5603478 | 3.849677 | .3895562 | .3947395 | .2015186 | 1.148642 | .5177770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0130152 | .0024466 | 112.9544 | .2333424 | .1747531 | .1535859 | 251.0087 |
| #2 | .0129025 | .0025618 | 113.1878 | .2334271 | .1743011 | .1525383 | 251.5759 |
| #3 | .0128798 | .0023740 | 113.8085 | .2317944 | .1749945 | .1559893 | 253.4985 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.06070 | 22.15569 | .1365902 | -.019119 | 2.733452 | .2977082 | .3363668 |
| Stddev | .07201   | .12435   | .0006960 | .000415  | .022047  | .0024789 | .0088986 |
| %RSD   | .4220608 | .5612748 | .5095751 | 2.171149 | .8065544 | .8326472 | 2.645514 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.99154 | 22.07199 | .1359892 | -.019201 | 2.716118 | .2954224 | .3260937 |
| #2 | 17.05531 | 22.09648 | .1364286 | -.019486 | 2.725972 | .3003431 | .3416839 |
| #3 | 17.13525 | 22.29858 | .1373528 | -.018669 | 2.758266 | .2973590 | .3413229 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.366828 | .3317014 | .4787326 | -.000388 | 1.393157 | 4.073881 | .0083855 |
| Stddev | .022621  | .0057811 | .0040575 | .000274  | .011680  | .037897  | .0018544 |
| %RSD   | .4214969 | 1.742853 | .8475509 | 70.48374 | .8383703 | .9302503 | 22.11484 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.347715 | .3319797 | .4742340 | -.000433 | 1.379767 | 4.102344 | .0103263 |
| #2 | 5.391803 | .3257863 | .4798481 | -.000637 | 1.401245 | 4.088435 | .0081987 |
| #3 | 5.360966 | .3373384 | .4821157 | -.000095 | 1.398460 | 4.030864 | .0066315 |

Sample Name: J1225-01      Acquired: 1/23/2018 14:45:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A63      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1705441 | .0624959 | .3601631 |
| Stddev | .0009847 | .0008254 | .0015336 |
| %RSD   | .5773891 | 1.320661 | .4258020 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1710550 | .0621271 | .3606438 |
| #2 | .1694090 | .0619192 | .3584467 |
| #3 | .1711684 | .0634413 | .3613987 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1010.401 | 2224.052 | 36235.46 | 8605.389 | 2711.616 |
| Stddev    | 7.888    | 12.924   | 92.61    | 46.999   | 6.872    |
| %RSD      | .7807081 | .5810963 | .2555745 | .5461607 | .2534390 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1001.457 | 2209.844 | 36157.50 | 8551.323 | 2703.708 |
| #2 | 1013.380 | 2227.204 | 36211.06 | 8636.489 | 2716.140 |
| #3 | 1016.367 | 2235.109 | 36337.83 | 8628.355 | 2715.001 |

Sample Name: J1225-02      Acquired: 1/23/2018 14:52:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A64      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1433840 | -.025448 | .1737900 | -.003062 | .0048733 | 94.89662 | 4.519325 |
| Stddev | .0032922 | .002532  | .0018516 | .001760  | .0021761 | .26782   | .014990  |
| %RSD   | 2.296097 | 9.948504 | 1.065443 | 57.46852 | 44.65375 | .2822225 | .3316940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1397163 | -.024217 | .1733445 | -.004472 | .0026884 | 94.64216 | 4.536634 |
| #2 | .1443521 | -.028360 | .1758237 | -.001090 | .0070405 | 95.17605 | 4.510788 |
| #3 | .1460837 | -.023767 | .1722017 | -.003623 | .0048909 | 94.87166 | 4.510553 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0142351 | .0061677 | 39.07687 | .1247409 | .1943227 | .1546483 | 213.6857 |
| Stddev | .0000732 | .0000172 | .15456   | .0003474 | .0002353 | .0021843 | .6490    |
| %RSD   | .5143992 | .2781359 | .3955182 | .2784903 | .1210866 | 1.412413 | .3037312 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0143196 | .0061869 | 39.03578 | .1243402 | .1945836 | .1571652 | 214.3604 |
| #2 | .0141940 | .0061538 | 38.94701 | .1249254 | .1942579 | .1535311 | 213.0658 |
| #3 | .0141916 | .0061625 | 39.24782 | .1249571 | .1941265 | .1532486 | 213.6310 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.471681 | 39.60531 | .3934398 | -.016435 | 3.185699 | .2009638 | .3053536 |
| Stddev | .017413  | .16906   | .0012112 | .000092  | .026434  | .0002685 | .0067382 |
| %RSD   | .2690709 | .4268606 | .3078500 | .5626321 | .8297569 | .1335863 | 2.206702 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.490386 | 39.69678 | .3923782 | -.016419 | 3.213324 | .2008659 | .2993854 |
| #2 | 6.455939 | 39.41023 | .3931822 | -.016534 | 3.160644 | .2012674 | .3126608 |
| #3 | 6.468717 | 39.70893 | .3947591 | -.016352 | 3.183131 | .2007579 | .3040147 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.168029 | 1.803717 | .4019044 | .0100084 | .9596675 | 2.008006 | .0108512 |
| Stddev | .061441  | .008103  | .0011515 | .0007914 | .0050277 | .018137  | .0021482 |
| %RSD   | .7522089 | .4492459 | .2865207 | 7.907862 | .5238964 | .9032410 | 19.79671 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.131337 | 1.801860 | .4028592 | .0108400 | .9554347 | 1.992437 | .0105190 |
| #2 | 8.238961 | 1.796703 | .4006256 | .0092644 | .9583429 | 2.027922 | .0088885 |
| #3 | 8.133790 | 1.812587 | .4022284 | .0099207 | .9652248 | 2.003660 | .0131461 |

Sample Name: J1225-02      Acquired: 1/23/2018 14:52:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A64      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2495155 | .1012644 | .2792349 |
| Stddev | .0022762 | .0003891 | .0005495 |
| %RSD   | .9122634 | .3842850 | .1967949 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2514986 | .1008433 | .2789637 |
| #2 | .2470301 | .1013392 | .2798673 |
| #3 | .2500179 | .1016108 | .2788737 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1199.972 | 2655.515 | 43552.89 | 10252.71 | 2721.523 |
| Stddev    | 3.853    | 8.622    | 173.60   | 33.17    | 6.911    |
| %RSD      | .3211129 | .3246888 | .3985884 | .3235143 | .2539342 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1202.069 | 2645.610 | 43410.25 | 10219.15 | 2714.206 |
| #2 | 1195.525 | 2661.340 | 43502.25 | 10253.49 | 2727.939 |
| #3 | 1202.323 | 2659.595 | 43746.18 | 10285.47 | 2722.424 |

Sample Name: J1225-03      Acquired: 1/23/2018 14:56:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2194857 | -.028478 | .2776934 | -.004196 | .0066135 | 125.1927 | 4.126290 |
| Stddev | .0045337 | .002277  | .0017909 | .002909  | .0012353 | .2961    | .009645  |
| %RSD   | 2.065618 | 7.996654 | .6449167 | 69.31806 | 18.67839 | .2365249 | .2337540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2234628 | -.026269 | .2774806 | -.006775 | .0058507 | 125.4249 | 4.133015 |
| #2 | .2204453 | -.028349 | .2795811 | -.001043 | .0080387 | 125.2939 | 4.115239 |
| #3 | .2145490 | -.030818 | .2760183 | -.004772 | .0059511 | 124.8593 | 4.130615 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0157842 | .0074025 | 115.2392 | .2762654 | .1761973 | .3093797 | 236.9627 |
| Stddev | .0002619 | .0002017 | .4787    | .0007278 | .0009451 | .0016801 | .8959    |
| %RSD   | 1.659104 | 2.725155 | .4154317 | .2634304 | .5363787 | .5430410 | .3780773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0159365 | .0073557 | 114.6885 | .2759148 | .1751994 | .3113192 | 235.9327 |
| #2 | .0159342 | .0076235 | 115.5562 | .2757793 | .1770788 | .3083732 | 237.3941 |
| #3 | .0154818 | .0072283 | 115.4729 | .2771021 | .1763138 | .3084467 | 237.5613 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.839651 | 77.55103 | .4507107 | -.017658 | 4.436773 | .2500261 | .8218288 |
| Stddev | .007148  | .20795   | .0019729 | .000298  | .090941  | .0024064 | .0052624 |
| %RSD   | .1861545 | .2681405 | .4377390 | 1.684834 | 2.049713 | .9624570 | .6403276 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.841932 | 77.31532 | .4488444 | -.017728 | 4.521202 | .2515295 | .8237247 |
| #2 | 3.845381 | 77.62922 | .4505124 | -.017331 | 4.340483 | .2512982 | .8258806 |
| #3 | 3.831642 | 77.70855 | .4527753 | -.017914 | 4.448633 | .2472506 | .8158812 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.86782 | 4.618353 | .4569810 | .0023856 | .4650952 | 1.847947 | .0122341 |
| Stddev | .03164   | .028570  | .0025256 | .0002553 | .0004862 | .007628  | .0011631 |
| %RSD   | .1875906 | .6186244 | .5526664 | 10.70268 | .1045430 | .4127703 | 9.506781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.90388 | 4.604233 | .4541020 | .0020928 | .4649714 | 1.853726 | .0117271 |
| #2 | 16.84469 | 4.599592 | .4588233 | .0025021 | .4646829 | 1.850813 | .0135646 |
| #3 | 16.85488 | 4.651234 | .4580176 | .0025619 | .4656314 | 1.839301 | .0114106 |



Sample Name: J1225-03      Acquired: 1/23/2018 14:56:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A65      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2965901 | .1873950 | .4292464 |
| Stddev | .0014608 | .0011216 | .0004285 |
| %RSD   | .4925331 | .5985159 | .0998234 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2973757 | .1880851 | .4295869 |
| #2 | .2974900 | .1861009 | .4293871 |
| #3 | .2949046 | .1879990 | .4287653 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1084.619 | 2381.592 | 39341.87 | 9394.146 | 2609.624 |
| Stddev    | 7.096    | 3.589    | 19.40    | 30.040   | 3.164    |
| %RSD      | .6542134 | .1506945 | .0493144 | .3197747 | .1212335 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1076.430 | 2383.377 | 39319.52 | 9389.275 | 2612.419 |
| #2 | 1088.954 | 2377.460 | 39354.36 | 9366.839 | 2606.190 |
| #3 | 1088.472 | 2383.938 | 39351.73 | 9426.324 | 2610.264 |

Sample Name: J1225-04      Acquired: 1/23/2018 15:00:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A66      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0440853 | -.012204 | .1481370 | .0006096 | .0051600 | 102.4130 | 2.722455 |
| Stddev | .0051121 | .003032  | .0016439 | .0032817 | .0009034 | .0922    | .001934  |
| %RSD   | 11.59589 | 24.84366 | 1.109694 | 538.3063 | 17.50826 | .0900317 | .0710340 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0446146 | -.013524 | .1481070 | .0032419 | .0042621 | 102.3483 | 2.724320 |
| #2 | .0387292 | -.014351 | .1497957 | .0016542 | .0060688 | 102.5186 | 2.720459 |
| #3 | .0489122 | -.008736 | .1465084 | -.003067 | .0051490 | 102.3723 | 2.722587 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0107562 | .0048772 | 483.0523 | .1471856 | .0956672 | .1641018 | 113.4526 |
| Stddev | .0002089 | .0001358 | .3634    | .0009715 | .0002170 | .0003289 | .1076    |
| %RSD   | 1.942105 | 2.784963 | .0752219 | .6600258 | .2267811 | .2004088 | .0948144 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105428 | .0050201 | 482.7425 | .1474268 | .0957239 | .1637354 | 113.4403 |
| #2 | .0107655 | .0048617 | 482.9621 | .1461163 | .0954275 | .1641986 | 113.3516 |
| #3 | .0109603 | .0047497 | 483.4522 | .1480137 | .0958501 | .1643714 | 113.5657 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.799147 | 60.69377 | .2412340 | -.010660 | 3.721293 | .1273821 | .4827666 |
| Stddev | .004866  | .09448   | .0008055 | .000210  | .061474  | .0045197 | .0026294 |
| %RSD   | .2704473 | .1556611 | .3339264 | 1.966970 | 1.651964 | 3.548136 | .5446540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.793722 | 60.62735 | .2406929 | -.010425 | 3.658009 | .1324783 | .4820417 |
| #2 | 1.800596 | 60.80192 | .2408493 | -.010827 | 3.780782 | .1238597 | .4805756 |
| #3 | 1.803124 | 60.65202 | .2421598 | -.010728 | 3.725087 | .1258083 | .4856823 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.97755 | 3.380241 | .2223494 | .0001813 | .6274220 | 2.201765 | .0045845 |
| Stddev | .07854   | .004870  | .0017641 | .0005539 | .0130038 | .002794  | .0014594 |
| %RSD   | .4915759 | .1440837 | .7933843 | 305.5167 | 2.072569 | .1268830 | 31.83380 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.06732 | 3.376475 | .2205695 | .0005886 | .6384850 | 2.198684 | .0053374 |
| #2 | 15.94382 | 3.385741 | .2223817 | -.000449 | .6306828 | 2.204134 | .0029024 |
| #3 | 15.92151 | 3.378508 | .2240972 | .000405  | .6130982 | 2.202477 | .0055138 |

Sample Name: J1225-04      Acquired: 1/23/2018 15:00:41      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A66      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2034586 | .1341548 | .5928093 |
| Stddev | .0009968 | .0002881 | .0008111 |
| %RSD   | .4899236 | .2147886 | .1368231 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2033242 | .1344286 | .5937197 |
| #2 | .2045157 | .1338542 | .5921637 |
| #3 | .2025358 | .1341817 | .5925445 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 965.1367 | 2123.705 | 34503.52 | 8382.289 | 2491.227 |
| Stddev    | 8.6602   | 9.879    | 92.69    | 35.402   | 8.459    |
| %RSD      | .8972982 | .4651926 | .2686277 | .4223408 | .3395477 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 959.9433 | 2112.310 | 34422.67 | 8345.716 | 2481.465 |
| #2 | 960.3327 | 2129.869 | 34483.21 | 8384.760 | 2496.410 |
| #3 | 975.1341 | 2128.936 | 34604.68 | 8416.390 | 2495.804 |

Sample Name: J1225-05      Acquired: 1/23/2018 15:05:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A67      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0505946 | -.013717 | .1815920 | .0020196 | .0043880 | 109.3458 | 2.803010 |
| Stddev | .0022468 | .001379  | .0047334 | .0015789 | .0023336 | .1447    | .005194  |
| %RSD   | 4.440798 | 10.05566 | 2.606612 | 78.17819 | 53.18108 | .1323356 | .1853027 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0486921 | -.012763 | .1812724 | .0004521 | .0047731 | 109.1866 | 2.808627 |
| #2 | .0530735 | -.015299 | .1864771 | .0036096 | .0065051 | 109.3814 | 2.802023 |
| #3 | .0500183 | -.013090 | .1770265 | .0019971 | .0018858 | 109.4694 | 2.798381 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0132374 | .0025824 | 114.6806 | .1609672 | .1042732 | .1620151 | 146.0663 |
| Stddev | .0001289 | .0002102 | .2289    | .0007901 | .0005583 | .0017795 | .2624    |
| %RSD   | .9736264 | 8.139663 | .1996059 | .4908406 | .5353779 | 1.098369 | .1796296 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0133858 | .0024670 | 114.6239 | .1601143 | .1036302 | .1610899 | 146.2821 |
| #2 | .0131728 | .0024553 | 114.9325 | .1616741 | .1046352 | .1608887 | 146.1426 |
| #3 | .0131536 | .0028251 | 114.4854 | .1611132 | .1045541 | .1640666 | 145.7742 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.671120 | 72.65864 | .2895583 | -.012335 | 3.572876 | .1217537 | .5165546 |
| Stddev | .005099  | .04341   | .0016728 | .000181  | .026478  | .0021048 | .0057212 |
| %RSD   | .1908873 | .0597459 | .5777105 | 1.463512 | .7410718 | 1.728769 | 1.107567 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.673262 | 72.61912 | .2877584 | -.012225 | 3.593038 | .1241195 | .5107953 |
| #2 | 2.674798 | 72.70510 | .2910652 | -.012543 | 3.582698 | .1210534 | .5222369 |
| #3 | 2.665300 | 72.65170 | .2898514 | -.012236 | 3.542890 | .1200883 | .5166316 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.99908 | 2.511958 | .2864577 | -.000011 | .1582137 | 2.168581 | .0069163 |
| Stddev | .02934   | .018559  | .0013911 | .000601  | .0051828 | .043358  | .0016384 |
| %RSD   | .1629942 | .7388241 | .4856325 | 5696.002 | 3.275838 | 1.999350 | 23.68949 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.00011 | 2.503190 | .2873160 | .000669  | .1522358 | 2.196677 | .0081394 |
| #2 | 18.02790 | 2.499408 | .2872046 | -.000228 | .1609578 | 2.190419 | .0050548 |
| #3 | 17.96925 | 2.533277 | .2848527 | -.000473 | .1614476 | 2.118646 | .0075547 |

Sample Name: J1225-05      Acquired: 1/23/2018 15:05:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A67      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2104248 | .1626062 | .4236694 |
| Stddev | .0004384 | .0004406 | .0002713 |
| %RSD   | .2083439 | .2709327 | .0640455 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2104140 | .1622255 | .4239612 |
| #2 | .2108686 | .1625044 | .4236224 |
| #3 | .2099920 | .1630888 | .4234246 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 985.1910 | 2153.773 | 35594.47 | 8464.763 | 2684.655 |
| Stddev    | 4.6187   | 5.971    | 123.08   | 29.344   | 4.839    |
| %RSD      | .4688174 | .2772159 | .3457852 | .3466571 | .1802471 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 982.7266 | 2150.611 | 35518.61 | 8443.247 | 2685.709 |
| #2 | 982.3272 | 2150.049 | 35528.32 | 8452.852 | 2679.376 |
| #3 | 990.5193 | 2160.660 | 35736.48 | 8498.189 | 2688.880 |

Sample Name: J1225-06      Acquired: 1/23/2018 15:09:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A68      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6391438 | -.012841 | .2482699 | .0005018 | .0039905 | 81.05077 | 2.289860 |
| Stddev | .0013637 | .000978  | .0028377 | .0012448 | .0010756 | .19038   | .009693  |
| %RSD   | .2133624 | 7.616132 | 1.142970 | 248.0654 | 26.95464 | .2348903 | .4233107 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6378905 | -.013911 | .2449984 | -.000637 | .0028429 | 81.26740 | 2.299211 |
| #2 | .6405960 | -.012617 | .2497478 | .001831  | .0049757 | 80.91008 | 2.290511 |
| #3 | .6389449 | -.011994 | .2500636 | .000312  | .0041528 | 80.97481 | 2.279857 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0078399 | .0041451 | 292.2830 | .6885274 | .0796686 | .3737043 | 126.7549 |
| Stddev | .0000673 | .0002334 | .4375    | .0009826 | .0003988 | .0019136 | .1003    |
| %RSD   | .8589166 | 5.630277 | .1496801 | .1427095 | .5006174 | .5120728 | .0791066 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0078808 | .0043065 | 291.8433 | .6878889 | .0800514 | .3755713 | 126.8288 |
| #2 | .0077622 | .0038775 | 292.7183 | .6896589 | .0796989 | .3717472 | 126.7952 |
| #3 | .0078767 | .0042513 | 292.2875 | .6880345 | .0792555 | .3737946 | 126.6408 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.368827 | 52.30600 | .1805087 | -.011184 | 2.705646 | .1177641 | 1.526757 |
| Stddev | .008816  | .10642   | .0006505 | .000216  | .079151  | .0008124 | .006160  |
| %RSD   | .3721598 | .2034652 | .3603888 | 1.934252 | 2.925384 | .6898778 | .4034911 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.370117 | 52.24488 | .1798262 | -.011325 | 2.683539 | .1187007 | 1.519916 |
| #2 | 2.376927 | 52.42889 | .1805782 | -.011293 | 2.793500 | .1172493 | 1.528490 |
| #3 | 2.359437 | 52.24423 | .1811217 | -.010935 | 2.639899 | .1173424 | 1.531865 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.95732 | 2.945332 | .2514329 | .0014362 | 1.025182 | 2.227648 | .0043394 |
| Stddev | .04288   | .029412  | .0017830 | .0001008 | .005810  | .018221  | .0022485 |
| %RSD   | .3913514 | .9985821 | .7091324 | 7.015516 | .5666838 | .8179292 | 51.81517 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.99666 | 2.911456 | .2533584 | .0014097 | 1.019509 | 2.242138 | .0022906 |
| #2 | 10.96369 | 2.960181 | .2511014 | .0015476 | 1.031119 | 2.233614 | .0039827 |
| #3 | 10.91161 | 2.964359 | .2498389 | .0013514 | 1.024917 | 2.207193 | .0067449 |

Sample Name: J1225-06      Acquired: 1/23/2018 15:09:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A68      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2796867 | .1088550 | .5125748 |
| Stddev | .0006907 | .0007492 | .0015849 |
| %RSD   | .2469623 | .6882364 | .3092066 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2803210 | .1096906 | .5144012 |
| #2 | .2789508 | .1086312 | .5117636 |
| #3 | .2797885 | .1082433 | .5115597 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 949.1693 | 2089.703 | 34531.84 | 8380.694 | 2558.511 |
| Stddev    | 6.6362   | 2.263    | 96.39    | 47.253   | 2.922    |
| %RSD      | .6991630 | .1083000 | .2791238 | .5638351 | .1142034 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 949.3408 | 2087.103 | 34470.46 | 8339.621 | 2557.008 |
| #2 | 942.4489 | 2090.772 | 34482.13 | 8370.123 | 2556.647 |
| #3 | 955.7181 | 2091.233 | 34642.93 | 8432.337 | 2561.878 |

Sample Name: J1225-07      Acquired: 1/23/2018 15:13:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A69      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0357127 | -.011532 | .0731090 | -.000595 | .0025976 | 59.74172 | 1.693619 |
| Stddev | .0046321 | .002005  | .0018459 | .002154  | .0009680 | .29794   | .002190  |
| %RSD   | 12.97045 | 17.38185 | 2.524816 | 361.9197 | 37.26666 | .4987144 | .1292955 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0319142 | -.010401 | .0716177 | -.000791 | .0034570 | 59.45666 | 1.691192 |
| #2 | .0408731 | -.010349 | .0725358 | .001650  | .0015489 | 59.71744 | 1.694218 |
| #3 | .0343508 | -.013847 | .0751734 | -.002645 | .0027868 | 60.05105 | 1.695447 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063548 | .0013937 | 124.8824 | .1029751 | .0623693 | .1076527 | 118.0518 |
| Stddev | .0000539 | .0000722 | .4259    | .0016085 | .0005383 | .0018106 | .3044    |
| %RSD   | .8486800 | 5.178983 | .3410220 | 1.562038 | .8630301 | 1.681865 | .2578592 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063671 | .0013109 | 124.5087 | .1011930 | .0617537 | .1056586 | 117.7879 |
| #2 | .0062958 | .0014435 | 125.3461 | .1043192 | .0627513 | .1081060 | 118.3848 |
| #3 | .0064016 | .0014267 | 124.7926 | .1034132 | .0626027 | .1091937 | 117.9825 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.121854 | 63.82644 | .1563067 | -.010413 | 2.208771 | .1001537 | .2572257 |
| Stddev | .003314  | .13778   | .0012838 | .000282  | .052929  | .0001131 | .0020474 |
| %RSD   | .1561918 | .2158608 | .8213056 | 2.710663 | 2.396311 | .1129082 | .7959623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.119011 | 63.98141 | .1569207 | -.010111 | 2.180819 | .1000369 | .2549798 |
| #2 | 2.125494 | 63.78009 | .1548313 | -.010458 | 2.175679 | .1002626 | .2577091 |
| #3 | 2.121057 | 63.71781 | .1571681 | -.010670 | 2.269817 | .1001614 | .2589881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.697537 | 3.388064 | .2358261 | .0005920 | .2947235 | 2.250195 | .0040600 |
| Stddev | .051169  | .031540  | .0009676 | .0001359 | .0049531 | .010161  | .0013495 |
| %RSD   | .5276508 | .9309019 | .4102918 | 22.96035 | 1.680597 | .4515426 | 33.23877 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.655708 | 3.400680 | .2369431 | .0005236 | .2909597 | 2.254148 | .0047105 |
| #2 | 9.682312 | 3.352169 | .2352451 | .0007485 | .2928759 | 2.257785 | .0025085 |
| #3 | 9.754590 | 3.411343 | .2352902 | .0005038 | .3003348 | 2.238652 | .0049611 |



Sample Name: J1225-07      Acquired: 1/23/2018 15:13:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A69      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4438235 | .0987643 | .2858791 |
| Stddev | .0035668 | .0008570 | .0008711 |
| %RSD   | .8036455 | .8677001 | .3047164 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4398735 | .0977752 | .2848753 |
| #2 | .4447886 | .0992323 | .2864371 |
| #3 | .4468084 | .0992854 | .2863248 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 948.8383 | 2083.323 | 34655.18 | 8207.858 | 2740.226 |
| Stddev    | 5.1677   | 9.679    | 50.08    | 24.877   | 4.189    |
| %RSD      | .5446325 | .4645748 | .1445149 | .3030901 | .1528720 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 953.7769 | 2074.857 | 34710.51 | 8185.862 | 2736.460 |
| #2 | 949.2695 | 2093.874 | 34642.05 | 8202.855 | 2744.738 |
| #3 | 943.4686 | 2081.238 | 34612.96 | 8234.856 | 2739.481 |

Sample Name: J1225-08      Acquired: 1/23/2018 15:19:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A70      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0621348 | -.017674 | .1118966 | .0006787 | .0026805 | 68.07812 | 2.142791 |
| Stddev | .0008466 | .003074  | .0009866 | .0012238 | .0015439 | .18455   | .010708  |
| %RSD   | 1.362531 | 17.39469 | .8817541 | 180.2976 | 57.59631 | .2710893 | .4997165 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0614454 | -.020389 | .1107680 | -.000416 | .0044263 | 68.28993 | 2.150421 |
| #2 | .0618794 | -.014336 | .1125960 | .002000  | .0021204 | 67.95192 | 2.130550 |
| #3 | .0630798 | -.018297 | .1123256 | .000452  | .0014949 | 67.99250 | 2.147403 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0082895 | .0028715 | 94.71816 | .1206976 | .0816943 | .1407654 | 176.5661 |
| Stddev | .0000270 | .0001687 | .53470   | .0005982 | .0001711 | .0027273 | .8711    |
| %RSD   | .3256952 | 5.876310 | .5645176 | .4956487 | .2094531 | 1.937453 | .4933751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0083114 | .0030309 | 94.13314 | .1200758 | .0818800 | .1415316 | 176.0254 |
| #2 | .0082977 | .0028887 | 94.83973 | .1207479 | .0816600 | .1377369 | 176.1019 |
| #3 | .0082593 | .0026948 | 95.18160 | .1212691 | .0815429 | .1430276 | 177.5710 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.247990 | 65.30484 | .2015590 | -.013899 | 2.612893 | .1398360 | .3324006 |
| Stddev | .017533  | .22717   | .0007664 | .000238  | .033087  | .0025150 | .0054647 |
| %RSD   | .3340879 | .3478661 | .3802145 | 1.713273 | 1.266299 | 1.798526 | 1.644017 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.238962 | 65.23600 | .2020859 | -.013998 | 2.617141 | .1417872 | .3386106 |
| #2 | 5.236811 | 65.12004 | .2019113 | -.014071 | 2.577887 | .1369977 | .3302653 |
| #3 | 5.268197 | 65.55846 | .2006799 | -.013627 | 2.643651 | .1407232 | .3283260 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.99260 | 3.998301 | .3417255 | .0014232 | .2536826 | 2.121777 | .0044590 |
| Stddev | .06619   | .010379  | .0042783 | .0006185 | .0069906 | .005828  | .0007103 |
| %RSD   | .5519480 | .2595780 | 1.251980 | 43.46057 | 2.755654 | .2746900 | 15.92884 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.06901 | 3.986416 | .3381734 | .0008862 | .2580318 | 2.115490 | .0039225 |
| #2 | 11.95276 | 4.002914 | .3405280 | .0020995 | .2456189 | 2.127001 | .0052645 |
| #3 | 11.95603 | 4.005573 | .3464749 | .0012839 | .2573971 | 2.122839 | .0041899 |

Sample Name: J1225-08      Acquired: 1/23/2018 15:19:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A70      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4595754 | .1154795 | .3150602 |
| Stddev | .0033220 | .0017225 | .0009273 |
| %RSD   | .7228333 | 1.491576 | .2943323 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4610890 | .1169296 | .3157997 |
| #2 | .4618710 | .1135756 | .3140198 |
| #3 | .4557662 | .1159333 | .3153611 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 954.9087 | 2105.484 | 34924.28 | 8279.807 | 2716.561 |
| Stddev    | 18.1169  | 4.662    | 203.72   | 36.570   | 5.051    |
| %RSD      | 1.897234 | .2214366 | .5833107 | .4416765 | .1859396 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 942.8551 | 2101.669 | 34738.97 | 8238.421 | 2710.788 |
| #2 | 946.1283 | 2110.681 | 34891.46 | 8293.234 | 2720.167 |
| #3 | 975.7427 | 2104.102 | 35142.42 | 8307.765 | 2718.729 |

Sample Name: J1225-09      Acquired: 1/23/2018 15:24:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A71      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0704164 | -.014939 | .1858613 | .0003797 | .0031663 | 116.8743 | 2.325422 |
| Stddev | .0062397 | .005248  | .0005409 | .0022758 | .0019064 | .3103    | .014150  |
| %RSD   | 8.861105 | 35.13223 | .2910433 | 599.4325 | 60.20941 | .2654950 | .6084804 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0774914 | -.008964 | .1864844 | -.002248 | .0044370 | 117.2288 | 2.341728 |
| #2 | .0680585 | -.017050 | .1855125 | .001730  | .0009742 | 116.6521 | 2.318166 |
| #3 | .0656993 | -.018803 | .1855869 | .001656  | .0040878 | 116.7419 | 2.316372 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0112997 | .0051838 | 214.4342 | .1976905 | .1584243 | .2405102 | 172.1005 |
| Stddev | .0001452 | .0000986 | 1.5951   | .0012900 | .0002170 | .0025376 | .7465    |
| %RSD   | 1.284920 | 1.901861 | .7438582 | .6525110 | .1369910 | 1.055099 | .4337390 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0111366 | .0051039 | 213.2823 | .1967688 | .1586317 | .2433486 | 172.1140 |
| #2 | .0114151 | .0052940 | 213.7657 | .1991647 | .1584426 | .2397212 | 171.3475 |
| #3 | .0113472 | .0051536 | 216.2548 | .1971381 | .1581988 | .2384607 | 172.8402 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.764651 | 81.93304 | .3098743 | -.013690 | 3.224674 | .1557032 | .5683922 |
| Stddev | .045176  | .25674   | .0010883 | .000339  | .082780  | .0002758 | .0090434 |
| %RSD   | .4626482 | .3133531 | .3511992 | 2.473325 | 2.567085 | .1771537 | 1.591054 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.740764 | 81.91007 | .3087105 | -.013395 | 3.279256 | .1553859 | .5611016 |
| #2 | 9.736434 | 81.68855 | .3108668 | -.014060 | 3.265340 | .1558859 | .5785120 |
| #3 | 9.816756 | 82.20049 | .3100455 | -.013616 | 3.129426 | .1558378 | .5655629 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.73688 | 4.313953 | .3361752 | .0013634 | .5738345 | 2.374657 | .0092075 |
| Stddev | .09218   | .026087  | .0020148 | .0001847 | .0038199 | .013061  | .0014529 |
| %RSD   | .4240889 | .6047009 | .5993303 | 13.54620 | .6656772 | .5500020 | 15.77973 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.83965 | 4.316575 | .3350571 | .0013730 | .5707695 | 2.378155 | .0103835 |
| #2 | 21.70947 | 4.286653 | .3349674 | .0011741 | .5781140 | 2.385612 | .0075833 |
| #3 | 21.66150 | 4.338628 | .3385011 | .0015431 | .5726199 | 2.360203 | .0096557 |

Sample Name: J1225-09      Acquired: 1/23/2018 15:24:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A71      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3038130 | .1772678 | .6471097 |
| Stddev | .0016756 | .0023352 | .0038447 |
| %RSD   | .5515261 | 1.317333 | .5941275 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3019915 | .1798180 | .6515373 |
| #2 | .3041588 | .1767513 | .6451760 |
| #3 | .3052888 | .1752341 | .6446158 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 993.8303 | 2177.800 | 36135.44 | 8682.914 | 2544.550 |
| Stddev    | 7.0752   | 6.169    | 213.59   | 28.300   | 3.126    |
| %RSD      | .7119144 | .2832884 | .5910955 | .3259236 | .1228386 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 995.8492 | 2171.976 | 35911.34 | 8651.293 | 2541.340 |
| #2 | 985.9651 | 2177.160 | 36158.27 | 8705.864 | 2544.726 |
| #3 | 999.6767 | 2184.265 | 36336.70 | 8691.584 | 2547.584 |

Sample Name: J1225-10      Acquired: 1/23/2018 15:28:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A72      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1399871 | -.025480 | .2002109 | .0017419 | .0061663 | 106.4734 | 1.761178 |
| Stddev | .0012196 | .002437  | .0027836 | .0023226 | .0014776 | .4341    | .012041  |
| %RSD   | .8712090 | 9.564688 | 1.390318 | 133.3389 | 23.96173 | .4076925 | .6837098 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1413150 | -.025480 | .2018771 | -.000706 | .0047086 | 106.3633 | 1.760479 |
| #2 | .1389170 | -.027917 | .2017582 | .003915  | .0061272 | 106.1050 | 1.749501 |
| #3 | .1397294 | -.023043 | .1969974 | .002016  | .0076630 | 106.9519 | 1.773553 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0119868 | .0043297 | 51.41032 | .1691283 | .1325786 | .1942025 | 194.0463 |
| Stddev | .0001159 | .0002620 | .36987   | .0004168 | .0004104 | .0018813 | 1.4837   |
| %RSD   | .9668759 | 6.051419 | .7194485 | .2464254 | .3095116 | .9687233 | .7645948 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0121105 | .0040317 | 51.43218 | .1687846 | .1322039 | .1943196 | 194.4945 |
| #2 | .0119691 | .0045239 | 51.03000 | .1695919 | .1325148 | .1960225 | 192.3903 |
| #3 | .0118808 | .0044334 | 51.76877 | .1690085 | .1330171 | .1922654 | 195.2543 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.605120 | 75.57187 | .3219610 | -.014377 | 2.740920 | .2038842 | .5319531 |
| Stddev | .021617  | .50346   | .0004136 | .000165  | .032209  | .0035942 | .0066811 |
| %RSD   | .8297951 | .6661981 | .1284732 | 1.148340 | 1.175109 | 1.762861 | 1.255954 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.613724 | 75.84525 | .3224350 | -.014337 | 2.767623 | .2076793 | .5244806 |
| #2 | 2.580526 | 74.99086 | .3216732 | -.014558 | 2.749988 | .2005320 | .5340289 |
| #3 | 2.621110 | 75.87950 | .3217749 | -.014236 | 2.705149 | .2034413 | .5373500 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.32830 | 4.865261 | .3807851 | .0004041 | .2794217 | 2.012431 | .0115997 |
| Stddev | .12046   | .040258  | .0045822 | .0001340 | .0057508 | .010988  | .0013107 |
| %RSD   | .5925852 | .8274493 | 1.203363 | 33.17000 | 2.058111 | .5460147 | 11.29964 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.30903 | 4.897379 | .3817405 | .0005425 | .2772750 | 2.012344 | .0127860 |
| #2 | 20.21863 | 4.878305 | .3758005 | .0003947 | .2859371 | 2.001487 | .0118206 |
| #3 | 20.45723 | 4.820099 | .3848143 | .0002749 | .2750531 | 2.023463 | .0101926 |

Sample Name: J1225-10      Acquired: 1/23/2018 15:28:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A72      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4416938 | .1858348 | .3460400 |
| Stddev | .0017234 | .0011037 | .0012399 |
| %RSD   | .3901676 | .5939171 | .3583221 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4408257 | .1852001 | .3458809 |
| #2 | .4405771 | .1851952 | .3448872 |
| #3 | .4436786 | .1871093 | .3473518 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1060.206 | 2335.497 | 38844.81 | 9261.911 | 2672.692 |
| Stddev    | 4.293    | 4.730    | 131.92   | 48.764   | 7.195    |
| %RSD      | .4048827 | .2025132 | .3396067 | .5265031 | .2691984 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1061.320 | 2330.041 | 38737.29 | 9216.318 | 2665.549 |
| #2 | 1063.831 | 2338.432 | 38805.13 | 9313.324 | 2672.588 |
| #3 | 1055.466 | 2338.019 | 38992.02 | 9256.091 | 2679.938 |

Sample Name: J1225-11      Acquired: 1/23/2018 15:33:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A73      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1122169 | -.021019 | .1787107 | -.000340 | .0058131 | 112.8275 | 2.020815 |
| Stddev | .0026332 | .005017  | .0019604 | .002650  | .0007846 | .1594    | .018241  |
| %RSD   | 2.346494 | 23.87044 | 1.096970 | 779.3563 | 13.49758 | .1413061 | .9026363 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1138069 | -.025971 | .1807148 | .002667  | .0051055 | 112.9956 | 2.040518 |
| #2 | .1091775 | -.021147 | .1786202 | -.001353 | .0066569 | 112.6784 | 2.004518 |
| #3 | .1136664 | -.015939 | .1767971 | -.002334 | .0056770 | 112.8086 | 2.017408 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0115526 | .0061102 | 167.6160 | .2130320 | .1365039 | .2069842 | 192.0058 |
| Stddev | .0000989 | .0001470 | .9492    | .0011057 | .0004914 | .0007316 | 1.5805   |
| %RSD   | .8556940 | 2.406245 | .5663163 | .5190421 | .3600109 | .3534433 | .8231514 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0116484 | .0060858 | 168.5958 | .2135532 | .1365454 | .2077594 | 193.7680 |
| #2 | .0115584 | .0059769 | 167.5514 | .2137808 | .1359930 | .2063059 | 191.5358 |
| #3 | .0114509 | .0062679 | 166.7006 | .2117620 | .1369732 | .2068873 | 190.7136 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.876292 | 93.86393 | .3265306 | -.014216 | 2.979812 | .1592319 | .5734066 |
| Stddev | .026289  | .48983   | .0005159 | .000194  | .135803  | .0015266 | .0070629 |
| %RSD   | .6782035 | .5218528 | .1580041 | 1.363313 | 4.557435 | .9587341 | 1.231743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.905620 | 94.42936 | .3267188 | -.014164 | 3.127578 | .1576688 | .5703684 |
| #2 | 3.868414 | 93.59363 | .3259470 | -.014053 | 2.860471 | .1593077 | .5683712 |
| #3 | 3.854843 | 93.56881 | .3269260 | -.014430 | 2.951388 | .1607192 | .5814802 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.89630 | 3.785792 | .3778750 | .0004471 | .5759562 | 2.508927 | .0067978 |
| Stddev | .11103   | .029229  | .0027687 | .0007607 | .0055054 | .020464  | .0009843 |
| %RSD   | .5580599 | .7720589 | .7326980 | 170.1639 | .9558764 | .8156488 | 14.48034 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.98820 | 3.767117 | .3810423 | .0011222 | .5707289 | 2.528252 | .0063090 |
| #2 | 19.77292 | 3.770784 | .3759148 | -.000377 | .5754369 | 2.511042 | .0061536 |
| #3 | 19.92777 | 3.819476 | .3766678 | .000596  | .5817029 | 2.487488 | .0079309 |



Sample Name: J1225-11      Acquired: 1/23/2018 15:33:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A73      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4390005 | .2049700 | .4859497 |
| Stddev | .0021933 | .0018291 | .0015920 |
| %RSD   | .4996078 | .8923615 | .3276118 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4377683 | .2066306 | .4877626 |
| #2 | .4377005 | .2030095 | .4847798 |
| #3 | .4415328 | .2052700 | .4853066 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 957.4092 | 2085.881 | 35393.33 | 8489.430 | 2513.614 |
| Stddev    | 3.8556   | 2.611    | 127.91   | 58.501   | 1.055    |
| %RSD      | .4027079 | .1251741 | .3614024 | .6891064 | .0419564 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 953.4369 | 2088.290 | 35245.63 | 8428.355 | 2514.430 |
| #2 | 957.6544 | 2086.247 | 35467.57 | 8494.971 | 2512.423 |
| #3 | 961.1363 | 2083.106 | 35466.80 | 8544.963 | 2513.988 |

Sample Name: J1225-12      Acquired: 1/23/2018 15:37:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A74      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2227723 | -.018706 | .1822679 | .0008302 | .0048433 | 91.81964 | 1.984184 |
| Stddev | .0024790 | .003101  | .0036601 | .0009543 | .0004698 | .12349   | .002825  |
| %RSD   | 1.112795 | 16.58011 | 2.008113 | 114.9482 | 9.699527 | .1344969 | .1423543 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2203059 | -.021372 | .1863000 | .0002187 | .0044259 | 91.75681 | 1.985364 |
| #2 | .2227474 | -.015302 | .1813485 | .0003421 | .0047520 | 91.74019 | 1.986227 |
| #3 | .2252637 | -.019444 | .1791551 | .0019298 | .0053521 | 91.96192 | 1.980961 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0093945 | .0034433 | 105.7991 | .3290851 | .1025444 | .2801239 | 160.7466 |
| Stddev | .0001482 | .0000839 | .2403    | .0015802 | .0004847 | .0010567 | .4041    |
| %RSD   | 1.576990 | 2.437393 | .2271206 | .4801834 | .4727166 | .3772123 | .2514068 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0093824 | .0035232 | 105.5689 | .3275910 | .1030924 | .2789175 | 160.2972 |
| #2 | .0095484 | .0034509 | 105.7802 | .3307393 | .1023693 | .2805691 | 161.0801 |
| #3 | .0092528 | .0033559 | 106.0483 | .3289251 | .1021715 | .2808851 | 160.8625 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.121555 | 74.99176 | .2480428 | -.012455 | 2.583175 | .1467965 | .7245121 |
| Stddev | .007126  | .25802   | .0004568 | .000147  | .118787  | .0006386 | .0057024 |
| %RSD   | .2282859 | .3440580 | .1841789 | 1.179371 | 4.598493 | .4350187 | .7870657 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.115197 | 74.84219 | .2478736 | -.012538 | 2.452294 | .1473542 | .7309573 |
| #2 | 3.120210 | 75.28969 | .2476946 | -.012541 | 2.684153 | .1460999 | .7224566 |
| #3 | 3.129257 | 74.84340 | .2485601 | -.012286 | 2.613079 | .1469354 | .7201224 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.98223 | 3.335281 | .3161468 | .0018273 | .4339251 | 2.461180 | .0057769 |
| Stddev | .04598   | .026346  | .0004411 | .0004376 | .0094803 | .004595  | .0001727 |
| %RSD   | .2877036 | .7899086 | .1395193 | 23.95029 | 2.184782 | .1867108 | 2.990085 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.92939 | 3.357018 | .3163141 | .0015347 | .4345028 | 2.466481 | .0059617 |
| #2 | 16.00424 | 3.342844 | .3164798 | .0023304 | .4431034 | 2.458723 | .0057495 |
| #3 | 16.01308 | 3.305981 | .3156466 | .0016168 | .4241692 | 2.458334 | .0056195 |

Sample Name: J1225-12      Acquired: 1/23/2018 15:37:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A74      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4563519 | .1572414 | .3838778 |
| Stddev | .0012281 | .0006626 | .0000524 |
| %RSD   | .2691201 | .4213657 | .0136452 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4568407 | .1572275 | .3838182 |
| #2 | .4549546 | .1579108 | .3838990 |
| #3 | .4572603 | .1565859 | .3839163 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 931.2897 | 2048.133 | 34559.79 | 8294.765 | 2592.831 |
| Stddev    | 6.8429   | 17.158   | 69.38    | 21.986   | 18.421   |
| %RSD      | .7347745 | .8377363 | .2007480 | .2650626 | .7104708 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 923.6050 | 2028.646 | 34503.90 | 8278.825 | 2571.713 |
| #2 | 936.7241 | 2060.972 | 34538.04 | 8285.622 | 2601.180 |
| #3 | 933.5399 | 2054.781 | 34637.44 | 8319.847 | 2605.599 |

Sample Name: J1225-13      Acquired: 1/23/2018 15:41:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A75      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0382027 | -.015176 | .1242302 | .0021533 | .0029563 | 70.85883 | 1.635986 |
| Stddev | .0020264 | .002701  | .0016759 | .0007993 | .0024056 | .13437   | .003429  |
| %RSD   | 5.304194 | 17.79745 | 1.349036 | 37.12144 | 81.36973 | .1896274 | .2095934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0403922 | -.012767 | .1223696 | .0017521 | .0057338 | 71.01223 | 1.639534 |
| #2 | .0363934 | -.014665 | .1256214 | .0030738 | .0015389 | 70.80234 | 1.635732 |
| #3 | .0378224 | -.018096 | .1246994 | .0016341 | .0015963 | 70.76194 | 1.632691 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076074 | .0040485 | 206.3914 | .1233593 | .0888167 | .1645983 | 128.6889 |
| Stddev | .0000348 | .0001553 | .6942    | .0009102 | .0004667 | .0008113 | .3881    |
| %RSD   | .4576884 | 3.837013 | .3363746 | .7378296 | .5254759 | .4929246 | .3016056 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0076439 | .0039393 | 205.7375 | .1236586 | .0882928 | .1637370 | 128.3988 |
| #2 | .0075746 | .0039799 | 206.3169 | .1240822 | .0891880 | .1653482 | 129.1298 |
| #3 | .0076037 | .0042263 | 207.1200 | .1223372 | .0889693 | .1647097 | 128.5381 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.837807 | 73.65303 | .2164749 | -.010554 | 2.423093 | .1109094 | .4210143 |
| Stddev | .008702  | .16924   | .0006576 | .000192  | .042002  | .0005140 | .0058631 |
| %RSD   | .3066291 | .2297822 | .3037882 | 1.821831 | 1.733423 | .4633984 | 1.392608 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.827895 | 73.48607 | .2164637 | -.010336 | 2.471543 | .1114865 | .4235390 |
| #2 | 2.841338 | 73.82446 | .2171381 | -.010625 | 2.400776 | .1107404 | .4143118 |
| #3 | 2.844188 | 73.64856 | .2158230 | -.010700 | 2.396959 | .1105012 | .4251922 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.84621 | 4.278855 | .2446310 | -.000527 | .5161964 | 2.141223 | .0024868 |
| Stddev | .01768   | .016701  | .0011505 | .000124  | .0034564 | .004561  | .0002924 |
| %RSD   | .1276634 | .3903144 | .4702915 | 23.60659 | .6695917 | .2129925 | 11.75792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.86408 | 4.268801 | .2435149 | -.000477 | .5167054 | 2.137165 | .0024489 |
| #2 | 13.84582 | 4.298134 | .2458130 | -.000668 | .5193701 | 2.146158 | .0022152 |
| #3 | 13.82873 | 4.269630 | .2445650 | -.000435 | .5125137 | 2.140344 | .0027963 |

Sample Name: J1225-13      Acquired: 1/23/2018 15:41:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A75      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4164257 | .1062570 | .5476110 |
| Stddev | .0015113 | .0008167 | .0018049 |
| %RSD   | .3629228 | .7685701 | .3295941 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4173554 | .1066222 | .5492890 |
| #2 | .4172399 | .1068274 | .5478425 |
| #3 | .4146819 | .1053215 | .5457015 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 958.7789 | 2093.410 | 35260.40 | 8507.573 | 2574.729 |
| Stddev    | 2.9557   | 8.757    | 60.57    | 17.068   | 10.287   |
| %RSD      | .3082804 | .4183301 | .1717695 | .2006243 | .3995522 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 956.6510 | 2093.137 | 35234.31 | 8494.111 | 2572.006 |
| #2 | 957.5318 | 2084.793 | 35217.25 | 8501.837 | 2566.077 |
| #3 | 962.1538 | 2102.301 | 35329.64 | 8526.770 | 2586.104 |

Sample Name: J1225-14      Acquired: 1/23/2018 15:45:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0684072 | -.014815 | .1018304 | .0019497 | .0032015 | 53.02603 | 1.548361 |
| Stddev | .0031477 | .000627  | .0037792 | .0005808 | .0005293 | .25766   | .005287  |
| %RSD   | 4.601347 | 4.235386 | 3.711309 | 29.79021 | 16.53185 | .4859159 | .3414848 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0716643 | -.014114 | .1010202 | .0025780 | .0038050 | 52.73894 | 1.550618 |
| #2 | .0653818 | -.015008 | .0985220 | .0018389 | .0029834 | 53.10193 | 1.552146 |
| #3 | .0681755 | -.015323 | .1059490 | .0014323 | .0028161 | 53.23722 | 1.542320 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055101 | .0025411 | 167.4068 | .1591120 | .0639954 | .1308929 | 100.9969 |
| Stddev | .0001642 | .0001238 | 1.1371   | .0007281 | .0006532 | .0008853 | .3812    |
| %RSD   | 2.979922 | 4.872404 | .6792454 | .4576229 | 1.020782 | .6763600 | .3774473 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0054087 | .0026196 | 166.1220 | .1593018 | .0635967 | .1300406 | 100.5641 |
| #2 | .0056996 | .0023984 | 167.8149 | .1597263 | .0636402 | .1318079 | 101.1436 |
| #3 | .0054221 | .0026054 | 168.2836 | .1583077 | .0647493 | .1308304 | 101.2829 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.979021 | 68.29831 | .1596393 | -.009014 | 1.926185 | .1082358 | .3686767 |
| Stddev | .0111106 | .14400   | .0008346 | .000174  | .066039  | .0018100 | .0037031 |
| %RSD   | .5611637 | .2108345 | .5228235 | 1.925886 | 3.428513 | 1.672284 | 1.004437 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.970228 | 68.13911 | .1605325 | -.009195 | 1.927339 | .1061840 | .3674406 |
| #2 | 1.975334 | 68.41947 | .1588792 | -.008999 | 1.991639 | .1089175 | .3728398 |
| #3 | 1.991501 | 68.33633 | .1595064 | -.008849 | 1.859575 | .1096060 | .3657497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.72457 | 4.069271 | .1997752 | .0007518 | .7344360 | 2.270356 | .0073105 |
| Stddev | .04757   | .018904  | .0004637 | .0001240 | .0062827 | .011408  | .0025487 |
| %RSD   | .4435367 | .4645509 | .2320972 | 16.49932 | .8554441 | .5024880 | 34.86310 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.66993 | 4.063307 | .1995139 | .0006086 | .7399663 | 2.273782 | .0048177 |
| #2 | 10.75673 | 4.054067 | .2003105 | .0008265 | .7357372 | 2.279658 | .0072024 |
| #3 | 10.74705 | 4.090437 | .1995010 | .0008202 | .7276046 | 2.257627 | .0099116 |

Sample Name: J1225-14      Acquired: 1/23/2018 15:45:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6662274 | .0926456 | .3838919 |
| Stddev | .0041839 | .0003834 | .0006136 |
| %RSD   | .6280030 | .4137861 | .1598426 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6624579 | .0923542 | .3832685 |
| #2 | .6707291 | .0930799 | .3844952 |
| #3 | .6654951 | .0925028 | .3839120 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 910.3273 | 1993.729 | 33776.43 | 8219.511 | 2596.320 |
| Stddev    | 6.4450   | 5.398    | 182.59   | 28.391   | 7.179    |
| %RSD      | .7079891 | .2707567 | .5405880 | .3454068 | .2764887 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 903.1792 | 1989.492 | 33571.41 | 8202.742 | 2588.622 |
| #2 | 915.6949 | 1991.888 | 33921.55 | 8203.500 | 2597.505 |
| #3 | 912.1078 | 1999.807 | 33836.33 | 8252.291 | 2602.832 |

Sample Name: J1225-15      Acquired: 1/23/2018 15:49:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0715510 | -.015339 | .1008296 | .0004975 | .0032356 | 52.82413 | 1.528447 |
| Stddev | .0006812 | .001448  | .0005760 | .0043745 | .0017899 | .18817   | .004040  |
| %RSD   | .9520865 | 9.442047 | .5712367 | 879.3114 | 55.31819 | .3562190 | .2643441 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0723195 | -.014642 | .1001646 | .0041665 | .0052185 | 52.60685 | 1.524419 |
| #2 | .0713119 | -.017004 | .1011724 | -.004344 | .0017395 | 52.93378 | 1.532499 |
| #3 | .0710215 | -.014370 | .1011518 | .001670  | .0027487 | 52.93174 | 1.528423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0054845 | .0025885 | 166.2190 | .1590272 | .0633010 | .1294124 | 99.96353 |
| Stddev | .0000737 | .0000764 | 1.5405   | .0009143 | .0003459 | .0012231 | .46297   |
| %RSD   | 1.344388 | 2.951948 | .9268111 | .5749338 | .5465026 | .9451349 | .4631429 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0055246 | .0025005 | 167.7084 | .1597034 | .0630740 | .1286014 | 100.3679 |
| #2 | .0053994 | .0026274 | 164.6319 | .1593911 | .0636992 | .1308192 | 99.4585  |
| #3 | .0055295 | .0026376 | 166.3165 | .1579869 | .0631299 | .1288165 | 100.0641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.960925 | 67.69055 | .1591571 | -.009018 | 1.889628 | .1095596 | .3706357 |
| Stddev | .012913  | .26422   | .0005746 | .000282  | .113410  | .0002480 | .0137063 |
| %RSD   | .6585357 | .3903352 | .3610394 | 3.123043 | 6.001687 | .2263735 | 3.698061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.972322 | 67.87121 | .1592403 | -.009012 | 1.788355 | .1092885 | .3859887 |
| #2 | 1.946900 | 67.38730 | .1585454 | -.009302 | 1.868366 | .1096151 | .3662879 |
| #3 | 1.963552 | 67.81313 | .1596856 | -.008739 | 2.012164 | .1097751 | .3596307 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.59921 | 4.083291 | .1970223 | .0008022 | .7315148 | 2.262790 | .0068799 |
| Stddev | .12485   | .043042  | .0020652 | .0003861 | .0057976 | .023859  | .0021417 |
| %RSD   | 1.177955 | 1.054112 | 1.048192 | 48.12653 | .7925536 | 1.054393 | 31.12973 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.45505 | 4.051227 | .1991644 | .0008436 | .7341587 | 2.260642 | .0090623 |
| #2 | 10.67232 | 4.066436 | .1950438 | .0003971 | .7248665 | 2.287649 | .0067962 |
| #3 | 10.67027 | 4.132210 | .1968587 | .0011659 | .7355192 | 2.240077 | .0047813 |



Sample Name: J1225-15      Acquired: 1/23/2018 15:49:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A76D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6676381 | .0909514 | .3809678 |
| Stddev | .0032039 | .0008423 | .0013003 |
| %RSD   | .4798897 | .9260469 | .3413150 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6712938 | .0905808 | .3797098 |
| #2 | .6663027 | .0919154 | .3823067 |
| #3 | .6653180 | .0903579 | .3808871 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 919.4058 | 1996.868 | 34184.96 | 8339.100 | 2604.094 |
| Stddev    | 4.9204   | 1.302    | 112.87   | 12.131   | 5.600    |
| %RSD      | .5351712 | .0652089 | .3301770 | .1454658 | .2150590 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 916.3627 | 1998.368 | 34100.48 | 8353.056 | 2597.830 |
| #2 | 916.7722 | 1996.205 | 34141.24 | 8333.154 | 2608.616 |
| #3 | 925.0824 | 1996.031 | 34313.15 | 8331.089 | 2605.837 |

Sample Name: J1225-16      Acquired: 1/23/2018 15:53:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1404075 | .0867626 | .1383381 | .0945488 | .1763711 | 55.50638 | 5.279002 |
| Stddev | .0010264 | .0032788 | .0025711 | .0027368 | .0017746 | .05154   | .026269  |
| %RSD   | .7310359 | 3.779072 | 1.858553 | 2.894604 | 1.006156 | .0928539 | .4976187 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1394780 | .0843333 | .1402486 | .0915331 | .1757093 | 55.52361 | 5.300825 |
| #2 | .1415091 | .0854625 | .1354149 | .0952382 | .1783815 | 55.44843 | 5.286337 |
| #3 | .1402355 | .0904921 | .1393510 | .0968749 | .1750225 | 55.54709 | 5.249845 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0904705 | .1022485 | 163.4996 | .5061511 | 1.098250 | .5975785 | 100.6524 |
| Stddev | .0008461 | .0007666 | .6854    | .0033143 | .005380  | .0029034 | .3046    |
| %RSD   | .9352099 | .7497518 | .4192279 | .6547970 | .4898416 | .4858557 | .3026667 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0902956 | .1014170 | 162.9921 | .5061910 | 1.094519 | .5966482 | 100.5472 |
| #2 | .0897255 | .1024013 | 163.2273 | .5028170 | 1.095814 | .6008330 | 100.4143 |
| #3 | .0913903 | .1029272 | 164.2793 | .5094452 | 1.104417 | .5952543 | 100.9957 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.760033 | 66.94899 | 1.202338 | .0653396 | 1.927066 | .8327681 | 1.078907 |
| Stddev | .009582  | .13920   | .007096  | .0003569 | .043999  | .0051307 | .019591  |
| %RSD   | .3471829 | .2079223 | .5901700 | .5462851 | 2.283230 | .6160972 | 1.815844 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.753291 | 67.08545 | 1.198024 | .0649946 | 1.943462 | .8269219 | 1.056290 |
| #2 | 2.755806 | 66.80720 | 1.198463 | .0653169 | 1.960513 | .8348609 | 1.090644 |
| #3 | 2.771002 | 66.95432 | 1.210528 | .0657074 | 1.877223 | .8365217 | 1.089786 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.44334 | 4.091716 | .1968670 | .0008659 | .7652145 | 1.722184 | .0083710 |
| Stddev | .05095   | .013316  | .0005657 | .0001391 | .0046456 | .013948  | .0018901 |
| %RSD   | .4878274 | .3254350 | .2873726 | 16.06341 | .6071007 | .8099013 | 22.57944 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.49939 | 4.083455 | .1967687 | .0009589 | .7691127 | 1.714181 | .0062784 |
| #2 | 10.39984 | 4.107077 | .1963569 | .0007060 | .7664567 | 1.714081 | .0099542 |
| #3 | 10.43079 | 4.084616 | .1974755 | .0009329 | .7600740 | 1.738290 | .0088804 |

Sample Name: J1225-16      Acquired: 1/23/2018 15:53:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6376255 | .0920643 | .3758133 |
| Stddev | .0028361 | .0009246 | .0008766 |
| %RSD   | .4447906 | 1.004299 | .2332493 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6346009 | .0931307 | .3768229 |
| #2 | .6380505 | .0914865 | .3753710 |
| #3 | .6402252 | .0915758 | .3752459 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 916.1429 | 2021.149 | 33983.31 | 8226.563 | 2628.825 |
| Stddev    | 6.0669   | 35.130   | 41.33    | 35.459   | 28.816   |
| %RSD      | .6622236 | 1.738118 | .1216297 | .4310295 | 1.096158 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 919.1630 | 1988.723 | 33939.49 | 8190.131 | 2601.264 |
| #2 | 909.1587 | 2016.255 | 33988.84 | 8260.961 | 2626.462 |
| #3 | 920.1071 | 2058.470 | 34021.60 | 8228.598 | 2658.750 |

Sample Name: J1225-14LX5      Acquired: 1/23/2018 15:57:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A76L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0182244 | -.002419 | .0202149 | -.000190 | .0005537 | 11.07761 | .3230850 |
| Stddev | .0008506 | .001904  | .0012982 | .001082  | .0006091 | .03217   | .0008994 |
| %RSD   | 4.667130 | 78.69643 | 6.422169 | 568.6502 | 110.0166 | .2903637 | .2783831 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0181920 | -.000479 | .0216900 | -.000308 | .0009883 | 11.11216 | .3229237 |
| #2 | .0173905 | -.002495 | .0192461 | -.001209 | .0008152 | 11.04853 | .3222771 |
| #3 | .0190907 | -.004284 | .0197087 | .000946  | -.000143 | 11.07213 | .3240541 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013202 | .0004105 | 36.90236 | .0360330 | .0121141 | .0227471 | 22.62767 |
| Stddev | .0000706 | .0000834 | .31082   | .0003691 | .0000736 | .0011119 | .05571   |
| %RSD   | 5.347241 | 20.31299 | .8422718 | 1.024276 | .6073812 | 4.888266 | .2461889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013812 | .0004428 | 36.55535 | .0358600 | .0121709 | .0220278 | 22.56579 |
| #2 | .0012429 | .0003158 | 36.99651 | .0364568 | .0121403 | .0221857 | 22.64337 |
| #3 | .0013365 | .0004729 | 37.15522 | .0357823 | .0120310 | .0240278 | 22.67383 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4415522 | 14.63785 | .0317807 | -.003959 | .6763065 | .0219409 | .0745736 |
| Stddev | .0043322 | .02358   | .0003766 | .000033  | .0415804 | .0024780 | .0005133 |
| %RSD   | .9811196 | .1611051 | 1.185072 | .8229697 | 6.148156 | 11.29392 | .6883428 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4368330 | 14.64786 | .0314890 | -.003996 | .6479798 | .0200441 | .0750903 |
| #2 | .4424750 | 14.61091 | .0322059 | -.003935 | .7240425 | .0247446 | .0740638 |
| #3 | .4453487 | 14.65477 | .0316471 | -.003946 | .6568971 | .0210340 | .0745667 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.339459 | .7866315 | .0425060 | .0005071 | .1319536 | .4235759 | .0010419 |
| Stddev | .028941  | .0043318 | .0002544 | .0003512 | .0036207 | .0054384 | .0008482 |
| %RSD   | .8666495 | .5506773 | .5984886 | 69.26193 | 2.743928 | 1.283936 | 81.40960 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.331788 | .7849633 | .0423066 | .0006748 | .1288563 | .4172968 | .0009713 |
| #2 | 3.315125 | .7915494 | .0424189 | .0001034 | .1310703 | .4266375 | .0019231 |
| #3 | 3.371463 | .7833817 | .0427925 | .0007429 | .1359342 | .4267935 | .0002312 |

Sample Name: J1225-14LX5      Acquired: 1/23/2018 15:57:21      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A76L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1416717 | .0162678 | .0822468 |
| Stddev | .0012302 | .0003322 | .0002510 |
| %RSD   | .8683414 | 2.042213 | .3052079 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1406654 | .0165077 | .0825211 |
| #2 | .1430431 | .0158886 | .0821908 |
| #3 | .1413065 | .0164071 | .0820286 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 936.4370 | 2080.563 | 33939.08 | 7730.321 | 3067.629 |
| Stddev    | 5.3605   | 11.539   | 139.44   | 11.478   | 10.396   |
| %RSD      | .5724353 | .5545971 | .4108595 | .1484775 | .3388875 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 931.7773 | 2068.248 | 33787.77 | 7718.095 | 3058.405 |
| #2 | 935.2385 | 2082.316 | 33967.06 | 7740.865 | 3065.587 |
| #3 | 942.2954 | 2091.125 | 34062.41 | 7732.004 | 3078.894 |

Sample Name: J1225-17      Acquired: 1/23/2018 16:01:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0301615 | -.010614 | .0832605 | .0014476 | .0041949 | 40.90952 | 1.677416 |
| Stddev | .0059917 | .002979  | .0007983 | .0029912 | .0012485 | .07881   | .006067  |
| %RSD   | 19.86529 | 28.07158 | .9588414 | 206.6318 | 29.76231 | .1926516 | .3617088 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0283961 | -.007273 | .0833133 | -.001274 | .0045344 | 40.99359 | 1.683776 |
| #2 | .0252508 | -.011572 | .0840312 | .000967  | .0028118 | 40.89765 | 1.676781 |
| #3 | .0368375 | -.012996 | .0824371 | .004650  | .0052385 | 40.83732 | 1.671691 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047385 | .0025229 | 160.0706 | .0832122 | .0498944 | .0763733 | 88.67987 |
| Stddev | .0001210 | .0001088 | .7018    | .0007663 | .0006314 | .0008775 | .25315   |
| %RSD   | 2.553277 | 4.312987 | .4384558 | .9209375 | 1.265528 | 1.148984 | .2854597 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046023 | .0026291 | 160.1298 | .0838700 | .0494820 | .0770205 | 88.72141 |
| #2 | .0048335 | .0024117 | 160.7410 | .0823707 | .0506213 | .0767247 | 88.90967 |
| #3 | .0047797 | .0025279 | 159.3411 | .0833959 | .0495799 | .0753745 | 88.40852 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.362287 | 64.02711 | .1310434 | -.008141 | 1.936839 | .0935292 | .2364418 |
| Stddev | .003552  | .19197   | .0003319 | .000188  | .020193  | .0012541 | .0045091 |
| %RSD   | .2607273 | .2998217 | .2532894 | 2.308338 | 1.042582 | 1.340878 | 1.907084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.363203 | 64.00727 | .1307156 | -.008343 | 1.936346 | .0934161 | .2383740 |
| #2 | 1.365291 | 64.22823 | .1310353 | -.008107 | 1.957275 | .0923355 | .2312885 |
| #3 | 1.358367 | 63.84583 | .1313793 | -.007972 | 1.916897 | .0948361 | .2396628 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.02654 | 4.339074 | .1727218 | .0004256 | 1.515445 | 1.575200 | .0006358 |
| Stddev | .06678   | .030401  | .0003868 | .0002033 | .009070  | .005239  | .0019257 |
| %RSD   | .6660023 | .7006429 | .2239350 | 47.76884 | .5985052 | .3326079 | 302.8828 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.97164  | 4.341976 | .1726999 | .0003841 | 1.517198 | 1.569153 | -.000349 |
| #2 | 10.10088 | 4.367920 | .1731190 | .0006465 | 1.523511 | 1.578391 | -.000598 |
| #3 | 10.00709 | 4.307325 | .1723464 | .0002463 | 1.505627 | 1.578056 | .002855  |

Sample Name: J1225-17      Acquired: 1/23/2018 16:01:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A77      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7897164 | .0690888 | .3683019 |
| Stddev | .0029474 | .0009581 | .0008123 |
| %RSD   | .3732284 | 1.386702 | .2205464 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7920780 | .0701425 | .3692043 |
| #2 | .7906580 | .0688540 | .3680723 |
| #3 | .7864132 | .0682701 | .3676292 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 977.3574 | 2096.448 | 35444.54 | 8326.483 | 2708.161 |
| Stddev    | 9.0747   | 7.760    | 142.99   | 19.561   | 9.148    |
| %RSD      | .9284899 | .3701336 | .4034215 | .2349273 | .3378046 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 967.4316 | 2097.736 | 35279.63 | 8348.464 | 2706.738 |
| #2 | 985.2288 | 2103.482 | 35519.96 | 8319.993 | 2717.937 |
| #3 | 979.4116 | 2088.124 | 35534.02 | 8310.991 | 2699.807 |

Sample Name: J1225-18      Acquired: 1/23/2018 16:05:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A79      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1202986 | -.013930 | 34.10733 | .0022465 | .0050901 | 48.19351 | 3.255717 |
| Stddev | .0030408 | .003658  | .05294   | .0011243 | .0013246 | .18393   | .003796  |
| %RSD   | 2.527700 | 26.26022 | .1552109 | 50.04553 | 26.02254 | .3816590 | .1166030 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1169310 | -.010062 | 34.15685 | .0034560 | .0036483 | 47.98162 | 3.254516 |
| #2 | .1211218 | -.017333 | 34.05153 | .0012332 | .0062530 | 48.31200 | 3.259969 |
| #3 | .1228431 | -.014395 | 34.11362 | .0020504 | .0053689 | 48.28692 | 3.252667 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044037 | .0175135 | 325.0575 | .5769243 | .0497800 | .9202000 | 95.24850 |
| Stddev | .0001623 | .0001460 | .9135    | .0046757 | .0005521 | .0006094 | .38735   |
| %RSD   | 3.686259 | .8335601 | .2810396 | .8104554 | 1.109118 | .0662256 | .4066694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0042329 | .0174232 | 324.0579 | .5718560 | .0502491 | .9205739 | 94.85947 |
| #2 | .0044221 | .0174353 | 325.2657 | .5778468 | .0491715 | .9194967 | 95.25187 |
| #3 | .0045560 | .0176819 | 325.8491 | .5810699 | .0499194 | .9205292 | 95.63414 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.025263 | 8.930666 | .1136349 | -.007594 | 4.284824 | .1073998 | 1.505012 |
| Stddev | .001978  | .083275  | .0009305 | .000248  | .089326  | .0015564 | .013426  |
| %RSD   | .1929246 | .9324624 | .8188340 | 3.267565 | 2.084706 | 1.449124 | .8920787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.023131 | 8.948191 | .1140015 | -.007749 | 4.349699 | .1084506 | 1.520051 |
| #2 | 1.027039 | 9.003783 | .1143261 | -.007725 | 4.182942 | .1056118 | 1.494233 |
| #3 | 1.025620 | 8.840022 | .1125769 | -.007308 | 4.321831 | .1081371 | 1.500751 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.203053 | 1.348257 | .1885255 | .0065864 | 29.87431 | 4.426784 | .0962813 |
| Stddev | .047446  | .006747  | .0012622 | .0001402 | .06429   | .054397  | .0012528 |
| %RSD   | .7648742 | .5004398 | .6695316 | 2.128483 | .2151945 | 1.228809 | 1.301159 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.152335 | 1.351309 | .1889051 | .0067259 | 29.91120 | 4.372869 | .0953557 |
| #2 | 6.246352 | 1.352938 | .1871171 | .0065878 | 29.80007 | 4.481650 | .0977068 |
| #3 | 6.210473 | 1.340523 | .1895544 | .0064455 | 29.91165 | 4.425833 | .0957813 |



Sample Name: J1225-18      Acquired: 1/23/2018 16:05:38      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A79      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3462554 | .0371878 | 1.465427 |
| Stddev | .0022714 | .0002505 | .003161  |
| %RSD   | .6559856 | .6735392 | .2156896 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3439366 | .0374474 | 1.462295 |
| #2 | .3484762 | .0369476 | 1.468616 |
| #3 | .3463535 | .0371686 | 1.465370 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 873.3945 | 1930.188 | 32802.73 | 7918.100 | 2585.296 |
| Stddev    | 16.1963  | 16.366   | 356.66   | 45.139   | 17.273   |
| %RSD      | 1.854413 | .8478747 | 1.087285 | .5700775 | .6681227 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 855.7585 | 1915.084 | 32413.70 | 7903.892 | 2567.043 |
| #2 | 876.8225 | 1927.905 | 32880.23 | 7881.774 | 2587.459 |
| #3 | 887.6023 | 1947.575 | 33114.27 | 7968.634 | 2601.385 |

Sample Name: J1225-19      Acquired: 1/23/2018 16:09:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0791356 | -.015574 | .2040209 | .0036417 | .0048612 | 139.5018 | 2.516314 |
| Stddev | .0047786 | .003293  | .0034401 | .0028971 | .0035416 | .4079    | .025170  |
| %RSD   | 6.038447 | 21.14607 | 1.686150 | 79.55290 | 72.85474 | .2923960 | 1.000275 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0744777 | -.016185 | .2019756 | .0012741 | .0086391 | 139.8692 | 2.541008 |
| #2 | .0789029 | -.018518 | .2020945 | .0068722 | .0043279 | 139.0629 | 2.490693 |
| #3 | .0840263 | -.012018 | .2079926 | .0027789 | .0016165 | 139.5734 | 2.517240 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0047094 | .0023900 | 43.98701 | .2691703 | .0274281 | .2102223 | 168.1822 |
| Stddev | .0002138 | .0001177 | .22367   | .0022001 | .0003804 | .0024970 | .9757    |
| %RSD   | 4.540495 | 4.924337 | .5084982 | .8173710 | 1.386844 | 1.187787 | .5801536 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044985 | .0024829 | 43.95493 | .2668161 | .0270215 | .2130074 | 169.0406 |
| #2 | .0049261 | .0022577 | 44.22499 | .2711744 | .0277753 | .2081836 | 168.3850 |
| #3 | .0047037 | .0024294 | 43.78111 | .2695205 | .0274876 | .2094759 | 167.1211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5290329 | 13.50519 | .1067627 | -.011846 | 4.895344 | .3899739 | .3636493 |
| Stddev | .0008046 | .06528   | .0002097 | .000260  | .083738  | .0012832 | .0064653 |
| %RSD   | .1520987 | .4833642 | .1964176 | 2.196499 | 1.710554 | .3290402 | 1.777885 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5295760 | 13.53673 | .1069032 | -.011769 | 4.960000 | .3889651 | .3602453 |
| #2 | .5294141 | 13.54871 | .1068632 | -.011633 | 4.800753 | .3914181 | .3711054 |
| #3 | .5281084 | 13.43013 | .1065216 | -.012136 | 4.925278 | .3895384 | .3595972 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.498569 | .2383308 | .3017805 | .0005365 | 22.96031 | 2.621533 | .0060713 |
| Stddev | .053217  | .0070360 | .0035219 | .0006722 | .06013   | .022445  | .0014171 |
| %RSD   | .8189014 | 2.952178 | 1.167053 | 125.2841 | .2618737 | .8561821 | 23.34163 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.553878 | .2322433 | .3030908 | -.000228 | 22.93100 | 2.647268 | .0063249 |
| #2 | 6.447726 | .2460341 | .3044595 | .001034  | 23.02947 | 2.606006 | .0073445 |
| #3 | 6.494104 | .2367150 | .2977912 | .000804  | 22.92045 | 2.611325 | .0045445 |

Sample Name: J1225-19      Acquired: 1/23/2018 16:09:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A80      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1958973 | .0679202 | .5978914 |
| Stddev | .0008574 | .0009562 | .0027205 |
| %RSD   | .4376916 | 1.407848 | .4550180 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1964256 | .0685854 | .6007566 |
| #2 | .1963583 | .0668244 | .5953434 |
| #3 | .1949080 | .0683508 | .5975743 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 941.5445 | 2035.798 | 33602.75 | 7858.380 | 2829.515 |
| Stddev    | 8.0825   | 2.649    | 133.15   | 44.650   | 1.150    |
| %RSD      | .8584298 | .1301388 | .3962337 | .5681783 | .0406544 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 943.2403 | 2038.323 | 33632.41 | 7808.224 | 2828.212 |
| #2 | 932.7487 | 2036.031 | 33457.27 | 7893.796 | 2829.942 |
| #3 | 948.6446 | 2033.040 | 33718.56 | 7873.121 | 2830.391 |

Sample Name: CCV079      Acquired: 1/23/2018 16:13:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV079      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.049878 | 4.955164 | 26.02424 | 5.251928 | 4.927879 | 372.2739 |
| Stddev | .028790  | .027072  | .06146   | .015831  | .005908  | .7258    |
| %RSD   | .5701144 | .5463451 | .2361719 | .3014380 | .1198876 | .1949736 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.078283 | 4.952577 | 25.99111 | 5.234110 | 4.933401 | 372.9077 |
| #2 | 5.020718 | 4.929478 | 25.98646 | 5.257300 | 4.921649 | 372.4318 |
| #3 | 5.050632 | 4.983437 | 26.09516 | 5.264375 | 4.928586 | 371.4821 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.936986 | .5162169 | 2.728591 | 390.8374 | 14.79588 | 2.705893 |
| Stddev | .043849  | .0023157 | .006832  | 4.3984   | .05371   | .005244  |
| %RSD   | .4412726 | .4485937 | .2503818 | 1.125382 | .3630139 | .1938100 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.944016 | .5188786 | 2.723545 | 385.9130 | 14.73479 | 2.702313 |
| #2 | 9.976896 | .5146644 | 2.725862 | 394.3760 | 14.83569 | 2.703453 |
| #3 | 9.890047 | .5151077 | 2.736365 | 392.2232 | 14.81716 | 2.711912 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 15.87627 | 408.8465 | 14.05860 | 413.3219 | 2.690221 | F 1.457748 |
| Stddev | .04449   | 3.7794   | .14283   | 3.1600   | .004328  | .004656    |
| %RSD   | .2802028 | .9244048 | 1.015977 | .7645401 | .1608710 | .3193998   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.92750 | 404.5676 | 13.90047 | 409.9156 | 2.689208 | 1.462176 |
| #2 | 15.84741 | 411.7288 | 14.17824 | 416.1579 | 2.686490 | 1.452893 |
| #3 | 15.85389 | 410.2433 | 14.09710 | 413.8923 | 2.694966 | 1.458174 |

|        |          |            |            |          |          |            |
|--------|----------|------------|------------|----------|----------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm        |
| Avg    | 408.8046 | F 1.995817 | F 12.35198 | 153.1677 | 5.426565 | F 5.680482 |
| Stddev | .7566    | .008510    | .04706     | .4856    | .011184  | .009320    |
| %RSD   | .1850821 | .4264160   | .3810091   | .3170664 | .2060896 | .1640792   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 408.0229 | 1.987461 | 12.31390 | 153.7043 | 5.413653 | 5.691029 |
| #2 | 409.5333 | 2.004474 | 12.40459 | 152.7584 | 5.432865 | 5.677064 |
| #3 | 408.8575 | 1.995515 | 12.33744 | 153.0404 | 5.433178 | 5.673353 |

Sample Name: CCV079      Acquired: 1/23/2018 16:13:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV079      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.988773 | 5.716472 | 4.818724 | 5.369340 | 5.076175 | 4.974001 |
| Stddev | .005458  | .048308  | .023774  | .013014  | .014863  | .031644  |
| %RSD   | .1094051 | .8450637 | .4933737 | .2423843 | .2927917 | .6361979 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.988709 | 5.723692 | 4.845791 | 5.362297 | 5.059441 | 5.007178 |
| #2 | 4.983348 | 5.664961 | 4.801221 | 5.361366 | 5.081242 | 4.944153 |
| #3 | 4.994263 | 5.760764 | 4.809160 | 5.384358 | 5.087841 | 4.970672 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.298948 |
| Stddev | .018857  |
| %RSD   | .3558640 |

|    |          |
|----|----------|
| #1 | 5.286508 |
| #2 | 5.320644 |
| #3 | 5.289691 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 771.8194 | 1689.944 | 28587.35 | 6927.159 | 2144.487 |
| Stddev    | 9.3113   | 5.092    | 119.69   | 59.430   | 6.204    |
| %RSD      | 1.206415 | .3012858 | .4186770 | .8579203 | .2892990 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 761.7934 | 1684.464 | 28452.43 | 6861.402 | 2137.355 |
| #2 | 773.4695 | 1690.840 | 28628.89 | 6943.041 | 2148.633 |
| #3 | 780.1954 | 1694.528 | 28680.74 | 6977.034 | 2147.474 |

Sample Name: CCB079      Acquired: 1/23/2018 16:17:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB079      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000063 | -.001005 | -.001440 | .0002913 | .0007717 | .0107472 | -.001172 |
| Stddev | .0013092 | .001830  | .000915  | .0022394 | .0005366 | .0038078 | .000176  |
| %RSD   | 20740.92 | 182.0426 | 63.53852 | 768.7917 | 69.53102 | 35.43095 | 15.05515 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003310 | -.001934 | -.002427 | -.001435 | .0002540 | .0090173 | -.001198 |
| #2 | .0011226 | .001103  | -.001272 | .002822  | .0013254 | .0081114 | -.001333 |
| #3 | -.001435 | -.002186 | -.000621 | -.000513 | .0007359 | .0151129 | -.000983 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000530 | .0000306 | .0021092 | .0000897 | -.000234 | -.005870 | .0034280 |
| Stddev | .0000517 | .0000807 | .0023561 | .0005511 | .000177  | .000594  | .0013257 |
| %RSD   | 97.39368 | 263.7373 | 111.7092 | 614.2035 | 75.44078 | 10.12555 | 38.67137 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000006 | -.000028 | .0005700 | -.000384 | -.000418 | -.005891 | .0049468 |
| #2 | .000080  | -.000003 | .0048216 | .000695  | -.000219 | -.006453 | .0025039 |
| #3 | .000086  | .000123  | .0009359 | -.000042 | -.000065 | -.005265 | .0028332 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000079 | -.011176 | -.000235 | -.002779 | .3257270 | -.002285 | -.003907 |
| Stddev | .000298  | .024413  | .000220  | .000331  | .1158170 | .003346  | .003593  |
| %RSD   | 376.7420 | 218.4490 | 93.60840 | 11.89565 | 35.55645 | 146.4316 | 91.94914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000033 | -.033996 | -.000473 | -.003119 | .2961592 | .000699  | -.007307 |
| #2 | .000193  | .014567  | -.000037 | -.002458 | .2275602 | -.005903 | -.000149 |
| #3 | -.000398 | -.014097 | -.000196 | -.002760 | .4534617 | -.001651 | -.004266 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.512646 | -.003938 | .0068370 | .0002681 | -.017834 | .0007027 | .0000507 |
| Stddev | .013289  | .001270  | .0006734 | .0004369 | .000441  | .0021750 | .0003235 |
| %RSD   | .8785023 | 32.23595 | 9.849784 | 162.9579 | 2.474283 | 309.5054 | 638.0669 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.510246 | -.003228 | .0076021 | .0007501 | -.017400 | -.000692 | .0000317 |
| #2 | 1.500721 | -.005404 | .0063345 | -.000102 | -.018283 | -.000409 | -.000263 |
| #3 | 1.526971 | -.003183 | .0065743 | .000156  | -.017818 | .003209  | .000383  |

Sample Name: CCB079      Acquired: 1/23/2018 16:17:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB079      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0005762 | -.003142 | .0002261 |
| Stddev | .0002675 | .000211  | .0000459 |
| %RSD   | 46.41551 | 6.705961 | 20.30866 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0005686 | -.002935 | .0002570 |
| #2 | .0003126 | -.003137 | .0002480 |
| #3 | .0008474 | -.003356 | .0001733 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 970.5036 | 2141.825 | 34871.97 | 7628.198 | 3455.603 |
| Stddev    | 8.1370   | 10.779   | 177.98   | 19.858   | 9.139    |
| %RSD      | .8384296 | .5032818 | .5103851 | .2603228 | .2644599 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 962.5525 | 2129.544 | 34689.74 | 7605.958 | 3445.921 |
| #2 | 970.1437 | 2146.211 | 34880.77 | 7634.484 | 3456.810 |
| #3 | 978.8145 | 2149.720 | 35045.38 | 7644.152 | 3464.079 |

Sample Name: PB105887BL      Acquired: 1/23/2018 16:22:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004784 | -.002809 | .0006354 | .0018969 | .0003537 | .0057685 | -.001101 |
| Stddev | .0011559 | .000859  | .0014744 | .0001484 | .0011817 | .0020251 | .000101  |
| %RSD   | 241.5871 | 30.55826 | 232.0490 | 7.822138 | 334.1133 | 35.10685 | 9.145555 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003801 | -.001917 | .0012673 | .0020272 | -.000951 | .0065281 | -.001092 |
| #2 | -.000625 | -.002881 | .0016885 | .0019280 | .001353  | .0073040 | -.001206 |
| #3 | .001680  | -.003630 | -.001050 | .0017354 | .000659  | .0034734 | -.001005 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000249 | .0000733 | .0004500 | .0001424 | -.000372 | -.005958 | .0037694 |
| Stddev | .0000150 | .0000261 | .0038565 | .0005856 | .000174  | .000711  | .0011548 |
| %RSD   | 60.31585 | 35.58751 | 856.9914 | 411.2694 | 46.87746 | 11.93991 | 30.63650 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000423 | .0000962 | .0047694 | -.000035 | -.000446 | -.005737 | .0033188 |
| #2 | .0000168 | .0000449 | -.002648 | -.000334 | -.000173 | -.005383 | .0029078 |
| #3 | .0000158 | .0000787 | -.000772 | .000796  | -.000497 | -.006753 | .0050816 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002374 | .0017317 | -.000027 | -.002650 | .3018745 | -.000492 | -.003641 |
| Stddev | .0000188 | .0034611 | .000331  | .000108  | .0512893 | .001768  | .002614  |
| %RSD   | 7.901845 | 199.8633 | 1219.424 | 4.083259 | 16.99027 | 359.1280 | 71.79139 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002591 | -.002261 | -.000143 | -.002771 | .3447343 | -.002480 | -.004993 |
| #2 | .0002260 | .003580  | .000346  | -.002563 | .3158406 | .000100  | -.000628 |
| #3 | .0002272 | .003876  | -.000284 | -.002616 | .2450487 | .000904  | -.005303 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.504892 | -.000405 | .0022631 | .0002954 | -.020052 | -.000951 | -.000055 |
| Stddev | .047461  | .001280  | .0010982 | .0001159 | .001427  | .001402  | .000359  |
| %RSD   | 3.153796 | 316.4036 | 48.52653 | 39.24542 | 7.118900 | 147.4456 | 657.9162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.491548 | -.001437 | .0035234 | .0004159 | -.021629 | -.000102 | .000136  |
| #2 | 1.465532 | .001028  | .0017546 | .0001846 | -.019680 | -.000182 | -.000469 |
| #3 | 1.557597 | -.000804 | .0015113 | .0002857 | -.018847 | -.002570 | .000170  |



Sample Name: PB105887BL      Acquired: 1/23/2018 16:22:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003434 | -.003585 | .0002191 |
| Stddev | .0004726 | .000480  | .0000456 |
| %RSD   | 137.6219 | 13.39986 | 20.80463 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0007770 | -.003030 | .0002695 |
| #2 | -.000160 | -.003854 | .0002069 |
| #3 | .000414  | -.003869 | .0001808 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 981.4967 | 2144.769 | 34967.85 | 7568.646 | 3448.132 |
| Stddev    | 13.7894  | 15.483   | 278.40   | 52.410   | 17.617   |
| %RSD      | 1.404939 | .7219081 | .7961665 | .6924672 | .5109129 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 966.9077 | 2126.894 | 34686.01 | 7512.586 | 3427.811 |
| #2 | 983.2667 | 2153.997 | 34974.86 | 7576.933 | 3457.476 |
| #3 | 994.3157 | 2153.417 | 35242.68 | 7616.419 | 3459.108 |

Sample Name: PB105887BS      Acquired: 1/23/2018 16:26:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0207556 | .0563311 | .0211688 | .0748765 | .1156180 | .3801514 |
| Stddev | .0012703 | .0017893 | .0004865 | .0020834 | .0029830 | .0027267 |
| %RSD   | 6.120177 | 3.176449 | 2.298432 | 2.782488 | 2.580080 | .7172524 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0217812 | .0572649 | .0208228 | .0771809 | .1121884 | .3827656 |
| #2 | .0193346 | .0574604 | .0217251 | .0743225 | .1170555 | .3773247 |
| #3 | .0211509 | .0542680 | .0209585 | .0731260 | .1176100 | .3803640 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4078145 | .0109652 | .0108064 | 10.36056 | .0241844 | .1042155 |
| Stddev | .0002287 | .0001454 | .0000654 | .13161   | .0003949 | .0001892 |
| %RSD   | .0560691 | 1.325891 | .6054681 | 1.270334 | 1.632776 | .1815136 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4080545 | .0108614 | .0108342 | 10.22151 | .0240330 | .1043235 |
| #2 | .4075992 | .0109028 | .0108534 | 10.37696 | .0238877 | .1043259 |
| #3 | .4077896 | .0111313 | .0107317 | 10.48320 | .0246326 | .1039971 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0470883 | .2381647 | .0306463 | 10.23541 | .0876869 | .0156519 |
| Stddev | .0013578 | .0102036 | .0006236 | .11914   | .0005022 | .0002709 |
| %RSD   | 2.883459 | 4.284260 | 2.034722 | 1.163975 | .5727250 | 1.731023 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0456027 | .2321177 | .0300213 | 10.15922 | .0872567 | .0153518 |
| #2 | .0482650 | .2324311 | .0306492 | 10.17431 | .0875654 | .0158786 |
| #3 | .0473971 | .2499454 | .0312684 | 10.37271 | .0882388 | .0157253 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.30875 | .0827813 | .0917322 | 10.83467 | .0251044 | F .0242212 |
| Stddev | .07170   | .0020416 | .0034760 | .01553   | .0009166 | .0009899   |
| %RSD   | .6955488 | 2.466219 | 3.789316 | .1433049 | 3.651264 | 4.086725   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.37166 | .0816732 | .0922659 | 10.82712 | .0261497 | .0230841 |
| #2 | 10.23068 | .0851373 | .0949105 | 10.85253 | .0244378 | .0248901 |
| #3 | 10.32391 | .0815333 | .0880202 | 10.82437 | .0247257 | .0246895 |

Sample Name: PB105887BS      Acquired: 1/23/2018 16:26:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0217184 | .1791026 | .2063959 | F .0152035 | .2023641 | .0886089 |
| Stddev | .0003365 | .0006275 | .0017718 | .0006107   | .0010320 | .0011988 |
| %RSD   | 1.549428 | .3503620 | .8584385 | 4.016641   | .5099588 | 1.352861 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0213326 | .1796940 | .2082330 | .0152274 | .2018529 | .0899578 |
| #2 | .0218713 | .1791695 | .2046976 | .0158019 | .2016876 | .0882036 |
| #3 | .0219513 | .1784443 | .2062571 | .0145813 | .2035520 | .0876654 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2148160 |
| Stddev | .0009122 |
| %RSD   | .4246277 |

|    |          |
|----|----------|
| #1 | .2156669 |
| #2 | .2149281 |
| #3 | .2138530 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 969.0951 | 2129.441 | 34394.42 | 7653.218 | 3264.782 |
| Stddev    | 6.0560   | 2.834    | 152.57   | 31.838   | 4.905    |
| %RSD      | .6249157 | .1330735 | .4435795 | .4160051 | .1502434 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 962.1799 | 2126.407 | 34218.29 | 7618.225 | 3260.359 |
| #2 | 971.6525 | 2132.020 | 34485.98 | 7660.954 | 3263.931 |
| #3 | 973.4530 | 2129.895 | 34478.97 | 7680.475 | 3270.057 |

Sample Name: J1226-01      Acquired: 1/23/2018 16:30:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3549227 | -.040008 | .8580822 | .0055030 | .0095288 | 114.9499 | 2.827546 |
| Stddev | .0017358 | .002434  | .0059206 | .0028232 | .0023438 | .1130    | .013010  |
| %RSD   | .4890602 | 6.084416 | .6899764 | 51.30213 | 24.59659 | .0982841 | .4601265 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3562624 | -.037200 | .8534831 | .0078433 | .0070751 | 114.9234 | 2.815236 |
| #2 | .3529618 | -.041315 | .8647623 | .0023675 | .0097669 | 114.8526 | 2.841159 |
| #3 | .3555438 | -.041510 | .8560012 | .0062983 | .0117445 | 115.0738 | 2.826242 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0162473 | .0124104 | 85.54446 | .6765873 | .2964189 | .2649626 | 440.8097 |
| Stddev | .0002626 | .0002460 | .24399   | .0017556 | .0001290 | .0016269 | 1.7280   |
| %RSD   | 1.616020 | 1.981898 | .2852170 | .2594715 | .0435320 | .6140097 | .3920133 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0162379 | .0124692 | 85.34924 | .6755972 | .2965641 | .2631375 | 438.8778 |
| #2 | .0165145 | .0121403 | 85.46616 | .6755505 | .2963173 | .2654894 | 441.3433 |
| #3 | .0159896 | .0126216 | 85.81799 | .6786143 | .2963753 | .2662607 | 442.2080 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.159370 | 13.72291 | .1159359 | -.027429 | 2.285350 | .5923908 | 10.56969 |
| Stddev | .014224  | .07259   | .0012641 | .000273  | .088155  | .0020942 | .10489   |
| %RSD   | .2309287 | .5289453 | 1.090391 | .9936954 | 3.857391 | .3535202 | .9923836 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.143050 | 13.65933 | .1154148 | -.027534 | 2.387120 | .5934484 | 10.63172 |
| #2 | 6.165935 | 13.70741 | .1150155 | -.027633 | 2.232607 | .5899787 | 10.44859 |
| #3 | 6.169125 | 13.80200 | .1173773 | -.027119 | 2.236323 | .5937454 | 10.62877 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.207091 | 3.108849 | .7972693 | .0092648 | 3.696839 | 1.860323 | .0099662 |
| Stddev | .038738  | .024072  | .0048084 | .0003023 | .024359  | .008124  | .0016791 |
| %RSD   | .5374988 | .7742952 | .6031086 | 3.262645 | .6589275 | .4366777 | 16.84856 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.181502 | 3.091527 | .7918317 | .0090663 | 3.679790 | 1.855798 | .0118579 |
| #2 | 7.251658 | 3.136336 | .7990160 | .0091153 | 3.724739 | 1.855469 | .0086520 |
| #3 | 7.188112 | 3.098685 | .8009602 | .0096127 | 3.685990 | 1.869701 | .0093886 |

Sample Name: J1226-01      Acquired: 1/23/2018 16:30:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A95      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1589634 | .0350906 | .4556487 |
| Stddev | .0016634 | .0003702 | .0005592 |
| %RSD   | 1.046410 | 1.055054 | .1227339 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1602770 | .0352013 | .4550774 |
| #2 | .1570930 | .0353929 | .4556736 |
| #3 | .1595201 | .0346777 | .4561950 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 972.9951 | 2089.496 | 35854.53 | 8500.502 | 2700.754 |
| Stddev    | 5.0579   | 2.125    | 164.57   | 6.765    | 1.748    |
| %RSD      | .5198311 | .1016889 | .4590063 | .0795880 | .0647350 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 975.6985 | 2088.616 | 35943.90 | 8506.803 | 2698.968 |
| #2 | 976.1270 | 2087.952 | 35955.08 | 8493.352 | 2700.831 |
| #3 | 967.1600 | 2091.919 | 35664.60 | 8501.352 | 2702.462 |

Sample Name: J1226-02      Acquired: 1/23/2018 16:34:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0680517 | -.018988 | .1719509 | -.001689 | .0042015 | 108.2360 | 2.669875 |
| Stddev | .0022520 | .001283  | .0026619 | .001389  | .0014789 | 1.2768   | .033093  |
| %RSD   | 3.309217 | 6.757787 | 1.548079 | 82.23205 | 35.19958 | 1.179610 | 1.239511 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0678159 | -.019091 | .1691935 | -.003228 | .0030458 | 108.8568 | 2.685845 |
| #2 | .0704123 | -.017656 | .1745057 | -.001313 | .0036906 | 106.7675 | 2.631825 |
| #3 | .0659269 | -.020216 | .1721535 | -.000527 | .0058682 | 109.0836 | 2.691953 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0123986 | .0037374 | 33.79315 | .1427149 | .1370028 | .0840845 | 184.5957 |
| Stddev | .0000394 | .0001318 | .16396   | .0013491 | .0003249 | .0022559 | 1.3781   |
| %RSD   | .3174446 | 3.525209 | .4851982 | .9453386 | .2371732 | 2.682887 | .7465471 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0124382 | .0038515 | 33.88519 | .1442342 | .1366552 | .0839096 | 184.9716 |
| #2 | .0123980 | .0037676 | 33.60385 | .1422535 | .1370544 | .0819211 | 183.0686 |
| #3 | .0123595 | .0035932 | 33.89042 | .1416570 | .1372989 | .0864227 | 185.7468 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.601154 | 20.22752 | .1490308 | -.014263 | 1.835689 | .2256353 | .2932722 |
| Stddev | .041002  | .17312   | .0001202 | .000043  | .089966  | .0031119 | .0072692 |
| %RSD   | .8911291 | .8558841 | .0806750 | .2986599 | 4.900942 | 1.379187 | 2.478668 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.614508 | 20.31355 | .1489336 | -.014248 | 1.832881 | .2271170 | .3000278 |
| #2 | 4.555139 | 20.02823 | .1489936 | -.014231 | 1.747160 | .2220594 | .2855801 |
| #3 | 4.633814 | 20.34078 | .1491653 | -.014312 | 1.927026 | .2277295 | .2942087 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.171602 | .2785368 | .3309380 | .0012890 | .7996762 | 1.928207 | .0172856 |
| Stddev | .103569  | .0032462 | .0053004 | .0002257 | .0104235 | .024364  | .0008591 |
| %RSD   | 2.002648 | 1.165436 | 1.601639 | 17.51010 | 1.303465 | 1.263572 | 4.970285 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.207312 | .2801665 | .3294155 | .0014194 | .8018023 | 1.909344 | .0165757 |
| #2 | 5.054903 | .2806453 | .3265655 | .0010284 | .8088727 | 1.955715 | .0182407 |
| #3 | 5.252592 | .2747987 | .3368331 | .0014192 | .7883536 | 1.919563 | .0170403 |

Sample Name: J1226-02      Acquired: 1/23/2018 16:34:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A96      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1652042 | .0501065 | .2942440 |
| Stddev | .0019109 | .0009745 | .0035543 |
| %RSD   | 1.156703 | 1.944801 | 1.207943 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1672721 | .0507673 | .2956126 |
| #2 | .1635035 | .0489874 | .2902089 |
| #3 | .1648371 | .0505649 | .2969105 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1150.292 | 2471.323 | 40840.98 | 9541.212 | 2862.726 |
| Stddev    | 4.429    | 14.693   | 81.95    | 50.894   | 8.516    |
| %RSD      | .3850672 | .5945442 | .2006661 | .5334156 | .2974935 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1145.446 | 2455.751 | 40751.40 | 9482.901 | 2855.494 |
| #2 | 1151.299 | 2473.277 | 40912.20 | 9576.701 | 2860.571 |
| #3 | 1154.132 | 2484.942 | 40859.34 | 9564.035 | 2872.113 |

Sample Name: J1226-03      Acquired: 1/23/2018 16:38:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A96D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0728453 | -.019918 | .1729595 | .0002032 | .0033372 | 109.5433 | 2.707176 |
| Stddev | .0054550 | .001960  | .0007785 | .0010352 | .0014882 | .2208    | .012048  |
| %RSD   | 7.488404 | 9.839342 | .4501211 | 509.4072 | 44.59396 | .2016081 | .4450368 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0708879 | -.018723 | .1736179 | -.000317 | .0017334 | 109.4483 | 2.712441 |
| #2 | .0686391 | -.022180 | .1731604 | .001395  | .0036047 | 109.7957 | 2.715695 |
| #3 | .0790089 | -.018852 | .1721002 | -.000469 | .0046735 | 109.3858 | 2.693392 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0124960 | .0036225 | 34.07027 | .1431666 | .1381365 | .0851885 | 186.5910 |
| Stddev | .0001657 | .0001226 | .21800   | .0003325 | .0002276 | .0023976 | .3404    |
| %RSD   | 1.325919 | 3.383275 | .6398565 | .2322476 | .1647903 | 2.814506 | .1824357 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0125672 | .0037588 | 34.01717 | .1434836 | .1383973 | .0857099 | 186.6710 |
| #2 | .0126142 | .0035876 | 33.88372 | .1431956 | .1379780 | .0872825 | 186.2177 |
| #3 | .0123066 | .0035212 | 34.30991 | .1428205 | .1380340 | .0825730 | 186.8843 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.638249 | 20.51375 | .1506095 | -.014246 | 1.872202 | .2262223 | .2952248 |
| Stddev | .004395  | .00953   | .0011101 | .000266  | .086717  | .0016458 | .0103762 |
| %RSD   | .0947517 | .0464417 | .7370397 | 1.868940 | 4.631796 | .7275217 | 3.514666 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.643067 | 20.52455 | .1513048 | -.014522 | 1.773336 | .2243369 | .2832456 |
| #2 | 4.637220 | 20.51016 | .1493293 | -.014224 | 1.907894 | .2273714 | .3014100 |
| #3 | 4.634461 | 20.50654 | .1511943 | -.013991 | 1.935378 | .2269588 | .3010188 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.248140 | .2781128 | .3361466 | .0015590 | .8096771 | 1.927857 | .0165851 |
| Stddev | .006282  | .0010450 | .0019068 | .0002502 | .0077814 | .022730  | .0020855 |
| %RSD   | .1196914 | .3757319 | .5672521 | 16.04912 | .9610500 | 1.179041 | 12.57442 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.255228 | .2776689 | .3364050 | .0014657 | .8185391 | 1.909792 | .0149046 |
| #2 | 5.245927 | .2793064 | .3341239 | .0018424 | .8039618 | 1.953379 | .0189190 |
| #3 | 5.243264 | .2773630 | .3379111 | .0013688 | .8065304 | 1.920400 | .0159317 |



Sample Name: J1226-03      Acquired: 1/23/2018 16:38:42      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A96D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1662306 | .0510366 | .2978089 |
| Stddev | .0022297 | .0002163 | .0003138 |
| %RSD   | 1.341304 | .4238405 | .1053592 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1687985 | .0509613 | .2978479 |
| #2 | .1647871 | .0512805 | .2981013 |
| #3 | .1651060 | .0508680 | .2974774 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1144.271 | 2455.507 | 40753.76 | 9476.510 | 2843.800 |
| Stddev    | 3.900    | 3.200    | 145.70   | 46.907   | 4.365    |
| %RSD      | .3408607 | .1303309 | .3575249 | .4949813 | .1534772 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1141.173 | 2456.955 | 40620.21 | 9423.343 | 2841.110 |
| #2 | 1142.989 | 2451.838 | 40731.93 | 9494.140 | 2841.455 |
| #3 | 1148.651 | 2457.727 | 40909.15 | 9512.048 | 2848.836 |

Sample Name: J1226-04      Acquired: 1/23/2018 16:42:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A96S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1441023 | .0814727 | .2261403 | .0802943 | .0524181 | 136.1609 | 6.496101 |
| Stddev | .0017712 | .0024143 | .0085474 | .0022177 | .0012313 | 1.2097   | .013759  |
| %RSD   | 1.229100 | 2.963326 | 3.779681 | 2.762016 | 2.349068 | .8884427 | .2117993 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1434759 | .0810069 | .2253851 | .0819393 | .0514050 | 136.0718 | 6.483882 |
| #2 | .1461015 | .0840860 | .2350402 | .0811714 | .0520607 | 134.9982 | 6.493417 |
| #3 | .1427295 | .0793252 | .2179956 | .0777721 | .0537886 | 137.4127 | 6.511004 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1016501 | .1222575 | 40.60148 | .5347084 | 1.349855 | .5678387 | 212.3788 |
| Stddev | .0004684 | .0024803 | .46724   | .0004175 | .024570  | .0051667 | 2.0127   |
| %RSD   | .4607721 | 2.028747 | 1.150800 | .0780737 | 1.820182 | .9098951 | .9476767 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1017565 | .1204946 | 40.41395 | .5344197 | 1.334891 | .5691997 | 212.5352 |
| #2 | .1011378 | .1250937 | 40.25713 | .5351871 | 1.378211 | .5621277 | 210.2924 |
| #3 | .1020562 | .1211843 | 41.13335 | .5345184 | 1.336463 | .5721887 | 214.3086 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.854713 | 23.10311 | 1.377780 | .0635390 | 2.046462 | 1.008152 | .9381944 |
| Stddev | .060662  | .24330   | .024806  | .0003369 | .073574  | .010851  | .0143721 |
| %RSD   | 1.249549 | 1.053097 | 1.800445 | .5301882 | 3.595181 | 1.076362 | 1.531886 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.853008 | 23.16698 | 1.361770 | .0632611 | 1.979037 | 1.005620 | .9402355 |
| #2 | 4.794922 | 22.83425 | 1.406355 | .0639137 | 2.124935 | .998791  | .9229109 |
| #3 | 4.916210 | 23.30810 | 1.365216 | .0634422 | 2.035414 | 1.020045 | .9514368 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.507024 | .3389108 | .3876160 | .0024295 | .6729828 | 2.492748 | .0109885 |
| Stddev | .065965  | .0014655 | .0057869 | .0000919 | .0043097 | .023152  | .0010362 |
| %RSD   | 1.013756 | .4324305 | 1.492941 | 3.782540 | .6403939 | .9287729 | 9.429752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.552118 | .3386091 | .3900122 | .0023780 | .6694621 | 2.518506 | .0116354 |
| #2 | 6.431313 | .3405037 | .3810159 | .0025356 | .6777890 | 2.473671 | .0097933 |
| #3 | 6.537639 | .3376195 | .3918199 | .0023750 | .6716971 | 2.486068 | .0115366 |

Sample Name: J1226-04      Acquired: 1/23/2018 16:42:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A96S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1925168 | .0650720 | .3220341 |
| Stddev | .0027755 | .0006678 | .0024766 |
| %RSD   | 1.441718 | 1.026213 | .7690337 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1902382 | .0656484 | .3221564 |
| #2 | .1917044 | .0643402 | .3194986 |
| #3 | .1956080 | .0652272 | .3244472 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1131.403 | 2426.464 | 40731.43 | 9589.554 | 2790.562 |
| Stddev    | 9.072    | 29.389   | 91.37    | 42.255   | 44.138   |
| %RSD      | .8018447 | 1.211195 | .2243143 | .4406319 | 1.581676 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1120.946 | 2420.387 | 40630.54 | 9549.415 | 2798.074 |
| #2 | 1136.092 | 2400.588 | 40808.59 | 9633.647 | 2743.150 |
| #3 | 1137.170 | 2458.416 | 40755.16 | 9585.599 | 2830.462 |

Sample Name: J1226-05      Acquired: 1/23/2018 16:51:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A97      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0698541 | -.021642 | .1894997 | .0001011 | .0041798 | 114.7867 | 3.262318 |
| Stddev | .0013533 | .001570  | .0011717 | .0050853 | .0010914 | .1918    | .007540  |
| %RSD   | 1.937291 | 7.253131 | .6182898 | 5029.817 | 26.11140 | .1670927 | .2311267 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0683529 | -.021100 | .1908524 | -.002491 | .0031243 | 114.5654 | 3.260891 |
| #2 | .0702293 | -.020416 | .1888440 | -.003166 | .0053039 | 114.9054 | 3.270470 |
| #3 | .0709803 | -.023411 | .1888027 | .005960  | .0041113 | 114.8893 | 3.255593 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0137552 | .0033877 | 48.88792 | .1408160 | .1579801 | .0880728 | 195.8945 |
| Stddev | .0000649 | .0001048 | .17619   | .0009761 | .0010795 | .0015611 | .3976    |
| %RSD   | .4721132 | 3.093552 | .3603918 | .6931858 | .6832913 | 1.772488 | .2029872 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0136945 | .0034633 | 48.68485 | .1398183 | .1576439 | .0867417 | 195.4367 |
| #2 | .0138237 | .0034316 | 49.00008 | .1417690 | .1571088 | .0897910 | 196.1540 |
| #3 | .0137474 | .0032681 | 48.97885 | .1408607 | .1591877 | .0876856 | 196.0928 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.028348 | 20.03842 | .1481105 | -.014672 | 1.780230 | .2506337 | .1701031 |
| Stddev | .014888  | .07386   | .0005809 | .000278  | .009432  | .0017996 | .0064534 |
| %RSD   | .3695816 | .3685693 | .3922026 | 1.891956 | .5298353 | .7180129 | 3.793793 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.011583 | 19.96849 | .1475538 | -.014626 | 1.787306 | .2524688 | .1627433 |
| #2 | 4.040024 | 20.11566 | .1480647 | -.014970 | 1.783862 | .2488719 | .1727722 |
| #3 | 4.033438 | 20.03111 | .1487129 | -.014421 | 1.769521 | .2505604 | .1747937 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.569719 | .2912738 | .3587534 | .0012363 | 1.067675 | 2.155655 | .0069798 |
| Stddev | .021696  | .0059835 | .0003481 | .0007493 | .008076  | .021670  | .0012484 |
| %RSD   | .3895423 | 2.054254 | .0970318 | 60.61157 | .7564090 | 1.005241 | 17.88651 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.566454 | .2914042 | .3583523 | .0015582 | 1.067076 | 2.137915 | .0065375 |
| #2 | 5.549841 | .2852261 | .3589306 | .0017708 | 1.059915 | 2.179807 | .0060127 |
| #3 | 5.592863 | .2971910 | .3589772 | .0003798 | 1.076033 | 2.149242 | .0083892 |

Sample Name: J1226-05      Acquired: 1/23/2018 16:51:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A97      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1578790 | .0482908 | .3110570 |
| Stddev | .0023820 | .0005003 | .0007812 |
| %RSD   | 1.508724 | 1.035969 | .2511580 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1604185 | .0478425 | .3103683 |
| #2 | .1556944 | .0488305 | .3119059 |
| #3 | .1575242 | .0481994 | .3108968 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1120.523 | 2388.405 | 39775.01 | 9226.769 | 2835.344 |
| Stddev    | 6.519    | 11.868   | 20.09    | 27.678   | 8.545    |
| %RSD      | .5817565 | .4969215 | .0505130 | .2999760 | .3013905 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1115.948 | 2380.675 | 39798.09 | 9228.828 | 2826.976 |
| #2 | 1117.635 | 2382.470 | 39765.53 | 9198.119 | 2835.001 |
| #3 | 1127.987 | 2402.070 | 39761.41 | 9253.360 | 2844.056 |

Sample Name: J1226-06      Acquired: 1/23/2018 16:55:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A98      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0472652 | -.013366 | .1024242 | -.000143 | .0036970 | 92.83067 | 2.586197 |
| Stddev | .0019665 | .001736  | .0005749 | .000744  | .0023715 | .20436   | .005225  |
| %RSD   | 4.160503 | 12.98708 | .5613462 | 518.7347 | 64.14618 | .2201384 | .2020443 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0490283 | -.012163 | .1028755 | -.000522 | .0064351 | 92.65371 | 2.592101 |
| #2 | .0476227 | -.012580 | .1026203 | -.000622 | .0023590 | 92.78396 | 2.584324 |
| #3 | .0451445 | -.015356 | .1017769 | .000713  | .0022968 | 93.05434 | 2.582167 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0128689 | .0027936 | 26.61328 | .1052185 | .1047321 | .0900279 | 120.7187 |
| Stddev | .0000940 | .0001569 | .12303   | .0010951 | .0002303 | .0009216 | .3677    |
| %RSD   | .7306376 | 5.616239 | .4622993 | 1.040795 | .2199184 | 1.023699 | .3045983 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0129196 | .0028671 | 26.65863 | .1052377 | .1049657 | .0905053 | 120.8688 |
| #2 | .0127605 | .0026135 | 26.47400 | .1041139 | .1047253 | .0889655 | 120.2997 |
| #3 | .0129268 | .0029003 | 26.70719 | .1063039 | .1045052 | .0906128 | 120.9876 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.592207 | 27.39626 | .2499894 | -.010410 | 1.997105 | .1343505 | .1870728 |
| Stddev | .002939  | .06082   | .0010529 | .000043  | .068024  | .0010278 | .0021065 |
| %RSD   | .1133946 | .2219836 | .4211893 | .4112831 | 3.406113 | .7650065 | 1.126016 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.594824 | 27.36595 | .2495016 | -.010380 | 1.955951 | .1332569 | .1849708 |
| #2 | 2.589027 | 27.35656 | .2492688 | -.010391 | 2.075622 | .1344980 | .1891838 |
| #3 | 2.592771 | 27.46628 | .2511978 | -.010459 | 1.959743 | .1352965 | .1870639 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.533088 | .7111592 | .2212828 | .0006160 | .3774126 | 1.685506 | .0072505 |
| Stddev | .011039  | .0033539 | .0006529 | .0001147 | .0099888 | .014032  | .0008363 |
| %RSD   | .1995081 | .4716070 | .2950382 | 18.61928 | 2.646653 | .8325312 | 11.53480 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.532740 | .7080751 | .2205856 | .0006884 | .3887575 | 1.698473 | .0071800 |
| #2 | 5.522227 | .7147297 | .2218797 | .0004838 | .3735422 | 1.670608 | .0081199 |
| #3 | 5.544296 | .7106729 | .2213831 | .0006759 | .3699382 | 1.687437 | .0064517 |

Sample Name: J1226-06      Acquired: 1/23/2018 16:55:13      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A98      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1985173 | .0733521 | .2742470 |
| Stddev | .0012830 | .0003324 | .0003188 |
| %RSD   | .6462995 | .4531298 | .1162397 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1973025 | .0734998 | .2745378 |
| #2 | .1983902 | .0729715 | .2742970 |
| #3 | .1998591 | .0735851 | .2739061 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1216.072 | 2593.540 | 42897.03 | 9886.883 | 2930.868 |
| Stddev    | 6.288    | 12.538   | 55.04    | 29.938   | 7.421    |
| %RSD      | .5171119 | .4834197 | .1282992 | .3028024 | .2532112 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1215.219 | 2580.064 | 42943.70 | 9859.569 | 2922.299 |
| #2 | 1222.743 | 2595.698 | 42911.05 | 9918.890 | 2935.219 |
| #3 | 1210.253 | 2604.859 | 42836.34 | 9882.190 | 2935.086 |

Sample Name: J1226-07      Acquired: 1/23/2018 16:59:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0628302 | -.012301 | .1373945 | -.001980 | .0030154 | 95.57299 | 3.965888 |
| Stddev | .0036406 | .000425  | .0045137 | .001680  | .0003123 | .19178   | .003314  |
| %RSD   | 5.794273 | 3.456086 | 3.285213 | 84.83699 | 10.35580 | .2006593 | .0835506 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0668357 | -.012746 | .1412384 | -.001216 | .0027589 | 95.36128 | 3.969112 |
| #2 | .0597227 | -.012259 | .1324243 | -.003906 | .0033631 | 95.62260 | 3.966062 |
| #3 | .0619321 | -.011898 | .1385208 | -.000818 | .0029242 | 95.73508 | 3.962492 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0100253 | .0033699 | 52.75872 | .1297543 | .1026561 | .1222954 | 131.3720 |
| Stddev | .0001140 | .0002255 | .09076   | .0002039 | .0003300 | .0002308 | .0701    |
| %RSD   | 1.136789 | 6.691369 | .1720358 | .1571232 | .3214801 | .1887462 | .0533556 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0099317 | .0031168 | 52.67194 | .1298042 | .1029904 | .1224694 | 131.2919 |
| #2 | .0101522 | .0035495 | 52.85300 | .1299287 | .1023305 | .1220336 | 131.4222 |
| #3 | .0099921 | .0034433 | 52.75122 | .1295302 | .1026472 | .1223833 | 131.4019 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.927686 | 53.06743 | .2586899 | -.011172 | 4.098815 | .0842372 | .3718228 |
| Stddev | .003809  | .18047   | .0008913 | .000048  | .026499  | .0011703 | .0092785 |
| %RSD   | .0969778 | .3400811 | .3445374 | .4257210 | .6464959 | 1.389338 | 2.495395 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.925950 | 53.26589 | .2578413 | -.011137 | 4.068664 | .0829915 | .3627296 |
| #2 | 3.925055 | 53.02321 | .2586101 | -.011226 | 4.109374 | .0844061 | .3714630 |
| #3 | 3.932054 | 52.91317 | .2596185 | -.011154 | 4.118406 | .0853139 | .3812760 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.60973 | 2.955446 | .2464923 | .0003499 | .1905844 | 1.485422 | .0057290 |
| Stddev | .04957   | .017838  | .0013525 | .0001783 | .0036175 | .024835  | .0009113 |
| %RSD   | .3930768 | .6035580 | .5486801 | 50.96300 | 1.898098 | 1.671934 | 15.90647 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.60833 | 2.941094 | .2480320 | .0005518 | .1865538 | 1.503281 | .0055208 |
| #2 | 12.65999 | 2.949828 | .2454963 | .0002136 | .1935494 | 1.495923 | .0049398 |
| #3 | 12.56088 | 2.975417 | .2459487 | .0002845 | .1916501 | 1.457061 | .0067263 |



Sample Name: J1226-07      Acquired: 1/23/2018 16:59:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A99      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1831042 | .1174462 | .4092969 |
| Stddev | .0028819 | .0007767 | .0005598 |
| %RSD   | 1.573928 | .6613120 | .1367719 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1801593 | .1165994 | .4086549 |
| #2 | .1832346 | .1176137 | .4096827 |
| #3 | .1859188 | .1181255 | .4095531 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1127.585 | 2427.994 | 40009.99 | 9213.559 | 2858.115 |
| Stddev    | 8.653    | 6.006    | 44.13    | 27.053   | 3.826    |
| %RSD      | .7674140 | .2473459 | .1102858 | .2936264 | .1338693 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1137.472 | 2433.901 | 40055.62 | 9184.346 | 2862.527 |
| #2 | 1123.891 | 2421.894 | 40006.80 | 9218.582 | 2855.715 |
| #3 | 1121.391 | 2428.188 | 39967.54 | 9237.750 | 2856.101 |

Sample Name: J1226-08      Acquired: 1/23/2018 17:03:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B00      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1643345 | -.022507 | .2211820 | -.001426 | .0056667 | 136.1018 | 3.019969 |
| Stddev | .0041786 | .004330  | .0022700 | .002238  | .0012410 | .2711    | .010202  |
| %RSD   | 2.542727 | 19.23924 | 1.026287 | 156.9433 | 21.89895 | .1991947 | .3378281 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1633225 | -.017960 | .2235295 | .001151  | .0069685 | 135.9933 | 3.026094 |
| #2 | .1607548 | -.026581 | .2210180 | -.002887 | .0055344 | 136.4103 | 3.025621 |
| #3 | .1689261 | -.022980 | .2189985 | -.002541 | .0044972 | 135.9017 | 3.008191 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0154266 | .0096263 | 153.7584 | .1983080 | .1570061 | .2679308 | 221.4487 |
| Stddev | .0003299 | .0003070 | .3775    | .0016475 | .0014520 | .0010656 | .8020    |
| %RSD   | 2.138789 | 3.189548 | .2455398 | .8307970 | .9247939 | .3976947 | .3621717 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0154271 | .0096914 | 153.4620 | .1971864 | .1575237 | .2667176 | 221.0189 |
| #2 | .0157562 | .0098956 | 153.6296 | .2001995 | .1581283 | .2687151 | 220.9533 |
| #3 | .0150964 | .0092920 | 154.1834 | .1975381 | .1553662 | .2683597 | 222.3741 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.654321 | 71.32796 | .3983284 | -.016585 | 4.624859 | .2530327 | .5387084 |
| Stddev | .010508  | .18626   | .0029269 | .000065  | .093216  | .0007547 | .0104087 |
| %RSD   | .3958723 | .2611375 | .7347995 | .3915688 | 2.015545 | .2982492 | 1.932154 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.643173 | 71.20245 | .4004020 | -.016543 | 4.693629 | .2538586 | .5489191 |
| #2 | 2.664042 | 71.54197 | .3996028 | -.016660 | 4.662183 | .2528603 | .5281124 |
| #3 | 2.655748 | 71.23945 | .3949803 | -.016553 | 4.518764 | .2523791 | .5390938 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.07303 | 4.426541 | .4110529 | .0012374 | .3541877 | 2.826966 | .0086689 |
| Stddev | .07703   | .021209  | .0053918 | .0005985 | .0119135 | .030642  | .0031978 |
| %RSD   | .4038798 | .4791424 | 1.311694 | 48.36577 | 3.363606 | 1.083934 | 36.88819 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.13635 | 4.447096 | .4049901 | .0014182 | .3678800 | 2.846441 | .0091439 |
| #2 | 19.09547 | 4.427794 | .4128580 | .0005694 | .3484915 | 2.842811 | .0052602 |
| #3 | 18.98727 | 4.404733 | .4153105 | .0017246 | .3461916 | 2.791645 | .0116027 |

Sample Name: J1226-08      Acquired: 1/23/2018 17:03:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B00      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2723817 | .1832202 | .5113066 |
| Stddev | .0036389 | .0001983 | .0003333 |
| %RSD   | 1.335970 | .1082499 | .0651915 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2744716 | .1834201 | .5115857 |
| #2 | .2744936 | .1832169 | .5113965 |
| #3 | .2681798 | .1830235 | .5109375 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1084.868 | 2324.259 | 38600.58 | 9015.832 | 2690.306 |
| Stddev    | 11.859   | 15.933   | 26.57    | 28.571   | 22.524   |
| %RSD      | 1.093153 | .6854900 | .0688382 | .3168961 | .8372129 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1071.712 | 2314.758 | 38572.82 | 8987.788 | 2675.433 |
| #2 | 1088.156 | 2315.366 | 38603.14 | 9014.805 | 2679.266 |
| #3 | 1094.736 | 2342.653 | 38625.78 | 9044.902 | 2716.220 |

Sample Name: J1226-09      Acquired: 1/23/2018 17:07:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0304062 | -.014734 | .2065879 | .0007459 | .0045740 | 93.86313 | 2.361011 |
| Stddev | .0039131 | .002996  | .0013172 | .0043375 | .0019743 | .54159   | .009705  |
| %RSD   | 12.86958 | 20.33517 | .6376051 | 581.5058 | 43.16343 | .5769950 | .4110550 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0345348 | -.013202 | .2053069 | .0057359 | .0066019 | 94.14076 | 2.364307 |
| #2 | .0299322 | -.012815 | .2079386 | -.002121 | .0044620 | 94.20961 | 2.368638 |
| #3 | .0267517 | -.018187 | .2065183 | -.001377 | .0026581 | 93.23903 | 2.350087 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108655 | .0050272 | 287.1830 | .1259460 | .0949943 | .1441969 | 125.4010 |
| Stddev | .0000982 | .0001377 | .7018    | .0006708 | .0004974 | .0005114 | .2261    |
| %RSD   | .9036416 | 2.739337 | .2443728 | .5326456 | .5235611 | .3546605 | .1803259 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0109789 | .0048901 | 286.8089 | .1251982 | .0944580 | .1436571 | 125.5198 |
| #2 | .0108092 | .0051655 | 286.7475 | .1261447 | .0950847 | .1446742 | 125.5430 |
| #3 | .0108084 | .0050258 | 287.9926 | .1264950 | .0954403 | .1442594 | 125.1402 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.247437 | 60.61758 | .2611248 | -.011444 | 3.028740 | .0963963 | .3959343 |
| Stddev | .012185  | .14086   | .0004028 | .000157  | .057389  | .0007524 | .0064751 |
| %RSD   | .3752224 | .2323679 | .1542661 | 1.370531 | 1.894821 | .7805722 | 1.635394 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.239912 | 60.75970 | .2606644 | -.011356 | 3.086259 | .0963594 | .3891716 |
| #2 | 3.240904 | 60.61499 | .2614127 | -.011625 | 3.028478 | .0971665 | .4020771 |
| #3 | 3.261496 | 60.47803 | .2612972 | -.011352 | 2.971481 | .0956630 | .3965542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.16087 | 2.393471 | .2395353 | -.000329 | .4300173 | 2.463712 | .0026952 |
| Stddev | .14349   | .022259  | .0009907 | .000488  | .0115830 | .046553  | .0028561 |
| %RSD   | .8879108 | .9299760 | .4135728 | 148.4451 | 2.693617 | 1.889547 | 105.9676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.23337 | 2.414593 | .2384221 | -.000663 | .4319249 | 2.514638 | -.000477 |
| #2 | 16.25364 | 2.395593 | .2403199 | .000231  | .4405280 | 2.453153 | .003499  |
| #3 | 15.99559 | 2.370228 | .2398638 | -.000554 | .4175988 | 2.423346 | .005063  |

Sample Name: J1226-09      Acquired: 1/23/2018 17:07:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1844790 | .1276600 | .5638547 |
| Stddev | .0014436 | .0012216 | .0036499 |
| %RSD   | .7825117 | .9569528 | .6473201 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1861223 | .1281173 | .5653934 |
| #2 | .1838994 | .1285870 | .5664834 |
| #3 | .1834153 | .1262757 | .5596874 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1111.313 | 2358.211 | 39223.16 | 9229.574 | 2642.748 |
| Stddev    | 2.269    | 8.775    | 45.06    | 68.602   | 1.834    |
| %RSD      | .2041916 | .3721189 | .1148744 | .7432855 | .0693858 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1110.558 | 2349.575 | 39171.81 | 9150.681 | 2644.683 |
| #2 | 1113.863 | 2357.938 | 39256.09 | 9262.841 | 2642.526 |
| #3 | 1109.517 | 2367.119 | 39241.58 | 9275.200 | 2641.036 |

Sample Name: J1226-10      Acquired: 1/23/2018 17:11:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1418061 | -.022098 | .1464478 | -.002083 | .0041068 | 110.8069 | 2.246106 |
| Stddev | .0028561 | .001294  | .0013619 | .002498  | .0016731 | .2930    | .015734  |
| %RSD   | 2.014059 | 5.854987 | .9299810 | 119.9245 | 40.73975 | .2643929 | .7005122 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1431958 | -.023378 | .1453012 | .000374  | .0022728 | 111.0836 | 2.241272 |
| #2 | .1437014 | -.022125 | .1479532 | -.004620 | .0055497 | 110.8371 | 2.263690 |
| #3 | .1385212 | -.020791 | .1460889 | -.002003 | .0044979 | 110.5000 | 2.233356 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0119307 | .0046853 | 249.8934 | .1604739 | .1017435 | .1387766 | 193.4579 |
| Stddev | .0004619 | .0002745 | 1.7863   | .0027213 | .0005588 | .0006330 | 1.4276   |
| %RSD   | 3.871780 | 5.858973 | .7148269 | 1.695770 | .5492345 | .4561040 | .7379368 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0115387 | .0050009 | 251.0564 | .1576785 | .1011459 | .1393971 | 194.0228 |
| #2 | .0118134 | .0045015 | 250.7872 | .1606287 | .1018315 | .1388010 | 194.5165 |
| #3 | .0124400 | .0045537 | 247.8366 | .1631144 | .1022530 | .1381319 | 191.8343 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.568996 | 93.47985 | .2827536 | -.015440 | 3.336688 | .1303305 | .4068568 |
| Stddev | .017120  | .61073   | .0014357 | .000120  | .061526  | .0009222 | .0052892 |
| %RSD   | .6664029 | .6533288 | .5077676 | .7775795 | 1.843915 | .7075862 | 1.300013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.575222 | 93.68422 | .2819571 | -.015524 | 3.272357 | .1305683 | .4081249 |
| #2 | 2.582131 | 93.96218 | .2818927 | -.015303 | 3.394960 | .1293127 | .4010488 |
| #3 | 2.549634 | 92.79314 | .2844110 | -.015493 | 3.342745 | .1311105 | .4113966 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.42247 | 3.861127 | .3698039 | -.000558 | .5156442 | 5.357610 | .0060631 |
| Stddev | .05233   | .043082  | .0050286 | .000421  | .0046871 | .075117  | .0021256 |
| %RSD   | .2840458 | 1.115800 | 1.359808 | 75.48859 | .9089796 | 1.402059 | 35.05806 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.41746 | 3.846662 | .3726172 | -.000823 | .5186571 | 5.378597 | .0042582 |
| #2 | 18.47712 | 3.827140 | .3727964 | -.000072 | .5102441 | 5.274232 | .0055250 |
| #3 | 18.37282 | 3.909581 | .3639983 | -.000778 | .5180315 | 5.420002 | .0084059 |

Sample Name: J1226-10      Acquired: 1/23/2018 17:11:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3858436 | .1754308 | .5277520 |
| Stddev | .0036669 | .0011347 | .0021218 |
| %RSD   | .9503638 | .6468373 | .4020479 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3899909 | .1744963 | .5279156 |
| #2 | .3845094 | .1766935 | .5297873 |
| #3 | .3830306 | .1751025 | .5255531 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1008.948 | 2177.220 | 35820.79 | 8431.211 | 2621.909 |
| Stddev    | 12.896   | 13.287   | 310.14   | 45.708   | 12.087   |
| %RSD      | 1.278167 | .6102917 | .8657987 | .5421329 | .4610050 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1000.834 | 2163.528 | 35662.46 | 8379.440 | 2607.969 |
| #2 | 1023.819 | 2178.072 | 36178.13 | 8465.988 | 2628.301 |
| #3 | 1002.192 | 2190.061 | 35621.78 | 8448.205 | 2629.459 |

Sample Name: J1226-13      Acquired: 1/23/2018 17:15:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0305587 | -.009916 | .0801260 | -.000345 | .0050046 | 99.41373 | 2.953592 |
| Stddev | .0054923 | .002743  | .0018981 | .004252  | .0022757 | .30623   | .004616  |
| %RSD   | 17.97307 | 27.66000 | 2.368899 | 1232.102 | 45.47101 | .3080370 | .1562893 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0242622 | -.006918 | .0822549 | -.003833 | .0023882 | 99.12619 | 2.948292 |
| #2 | .0330498 | -.012299 | .0786103 | .004391  | .0061025 | 99.73574 | 2.956729 |
| #3 | .0343641 | -.010530 | .0795127 | -.001594 | .0065232 | 99.37927 | 2.955756 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0091591 | .0044946 | 232.5720 | .1536184 | .0988535 | .1138881 | 153.2776 |
| Stddev | .0001830 | .0003177 | .7776    | .0006846 | .0000513 | .0011144 | .4877    |
| %RSD   | 1.998006 | 7.069214 | .3343586 | .4456564 | .0518588 | .9785443 | .3181985 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0089974 | .0045753 | 231.9463 | .1537716 | .0988047 | .1132451 | 152.7173 |
| #2 | .0093577 | .0047642 | 233.4426 | .1542136 | .0988490 | .1132442 | 153.6067 |
| #3 | .0091221 | .0041443 | 232.3271 | .1528703 | .0989069 | .1151749 | 153.5089 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.335396 | 77.53523 | .2556378 | -.012652 | 3.220460 | .1106855 | .4079690 |
| Stddev | .024459  | .38613   | .0007784 | .000175  | .067430  | .0010363 | .0078307 |
| %RSD   | .3860623 | .4980035 | .3044855 | 1.381019 | 2.093808 | .9362277 | 1.919425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.310790 | 77.12189 | .2558372 | -.012847 | 3.292027 | .1099211 | .3997632 |
| #2 | 6.359705 | 77.88667 | .2547791 | -.012511 | 3.211239 | .1102705 | .4153609 |
| #3 | 6.335694 | 77.59712 | .2562970 | -.012597 | 3.158116 | .1118650 | .4087831 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.74367 | 3.667735 | .2938317 | -.000700 | .4298427 | 1.931076 | .0032085 |
| Stddev | .06914   | .015425  | .0005199 | .000323  | .0041400 | .015736  | .0030814 |
| %RSD   | .4391507 | .4205517 | .1769277 | 46.07609 | .9631379 | .8148855 | 96.03963 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.66961 | 3.673215 | .2938495 | -.000983 | .4258981 | 1.943684 | .0036828 |
| #2 | 15.80651 | 3.650318 | .2933031 | -.000349 | .4294762 | 1.913440 | -.000083 |
| #3 | 15.75489 | 3.679671 | .2943424 | -.000768 | .4341537 | 1.936102 | .006025  |



Sample Name: J1226-13      Acquired: 1/23/2018 17:15:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B03      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3892435 | .1465615 | .4798712 |
| Stddev | .0016339 | .0009002 | .0016161 |
| %RSD   | .4197715 | .6142436 | .3367794 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3874583 | .1455266 | .4780240 |
| #2 | .3906648 | .1469939 | .4810242 |
| #3 | .3896074 | .1471639 | .4805654 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1023.617 | 2182.876 | 36256.88 | 8449.074 | 2667.136 |
| Stddev    | 6.084    | 18.852   | 269.98   | 19.229   | 14.980   |
| %RSD      | .5943499 | .8636110 | .7446370 | .2275867 | .5616336 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1024.472 | 2182.610 | 36259.66 | 8461.409 | 2670.690 |
| #2 | 1017.150 | 2164.158 | 35985.51 | 8426.918 | 2650.699 |
| #3 | 1029.227 | 2201.858 | 36525.46 | 8458.896 | 2680.019 |

Sample Name: J1226-14      Acquired: 1/23/2018 17:19:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0390824 | -.014792 | .1170462 | -.000879 | .0037327 | 69.81873 | 2.810956 |
| Stddev | .0050940 | .004945  | .0003212 | .003242  | .0010698 | .23828   | .004484  |
| %RSD   | 13.03412 | 33.42792 | .2744205 | 368.9070 | 28.66062 | .3412829 | .1595079 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0374860 | -.020174 | .1174163 | .002769  | .0034997 | 69.54686 | 2.812734 |
| #2 | .0447835 | -.013750 | .1168826 | -.001974 | .0048998 | 69.99134 | 2.814277 |
| #3 | .0349778 | -.010451 | .1168398 | -.003431 | .0027985 | 69.91797 | 2.805855 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066732 | .0031351 | 151.5513 | .1152544 | .0709020 | .1431539 | 147.4869 |
| Stddev | .0001639 | .0001278 | .7893    | .0005068 | .0003935 | .0009169 | .8289    |
| %RSD   | 2.455609 | 4.075235 | .5208246 | .4397074 | .5549504 | .6405291 | .5620153 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065207 | .0031734 | 152.4447 | .1148445 | .0710543 | .1422769 | 148.2403 |
| #2 | .0068464 | .0032394 | 151.2607 | .1158211 | .0704552 | .1441061 | 146.5990 |
| #3 | .0066524 | .0029926 | 150.9484 | .1150977 | .0711966 | .1430787 | 147.6214 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.080922 | 58.71219 | .1639878 | -.011864 | 2.499220 | .1491535 | .3185550 |
| Stddev | .009753  | .17376   | .0008293 | .000155  | .033269  | .0014901 | .0018758 |
| %RSD   | .3165680 | .2959451 | .5057131 | 1.306705 | 1.331171 | .9990127 | .5888446 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.091836 | 58.74947 | .1648024 | -.011918 | 2.531270 | .1508597 | .3206621 |
| #2 | 3.077872 | 58.86429 | .1640166 | -.011984 | 2.464853 | .1484927 | .3179360 |
| #3 | 3.073059 | 58.52282 | .1631445 | -.011689 | 2.501538 | .1481082 | .3170669 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.34145 | 4.537350 | .2784575 | -.000591 | .3931017 | 3.211011 | .0039317 |
| Stddev | .06354   | .016850  | .0032225 | .000128  | .0031212 | .044083  | .0012578 |
| %RSD   | .4762415 | .3713578 | 1.157257 | 21.62528 | .7940066 | 1.372863 | 31.99131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.28049 | 4.555632 | .2817315 | -.000646 | .3966906 | 3.239469 | .0027514 |
| #2 | 13.40729 | 4.533973 | .2752891 | -.000445 | .3915936 | 3.233332 | .0052549 |
| #3 | 13.33657 | 4.522444 | .2783519 | -.000681 | .3910209 | 3.160232 | .0037888 |

Sample Name: J1226-14      Acquired: 1/23/2018 17:19:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6469030 | .0901160 | .4256561 |
| Stddev | .0007300 | .0005065 | .0010255 |
| %RSD   | .1128482 | .5620537 | .2409299 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6463730 | .0895315 | .4250463 |
| #2 | .6477357 | .0904245 | .4250818 |
| #3 | .6466004 | .0903922 | .4268401 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1043.662 | 2212.096 | 36966.42 | 8550.516 | 2765.428 |
| Stddev    | 7.274    | 1.159    | 150.92   | 28.607   | 2.445    |
| %RSD      | .6969298 | .0524138 | .4082576 | .3345631 | .0884126 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1035.767 | 2213.411 | 36870.42 | 8517.590 | 2765.450 |
| #2 | 1050.091 | 2211.654 | 37140.37 | 8564.681 | 2762.973 |
| #3 | 1045.127 | 2211.222 | 36888.46 | 8569.276 | 2767.862 |

Sample Name: J1226-15      Acquired: 1/23/2018 17:23:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B06      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0577187 | -.020079 | .1496011 | .0014854 | .0049952 | 111.2371 | 1.847261 |
| Stddev | .0014774 | .005144  | .0018822 | .0054347 | .0012394 | .2792    | .004504  |
| %RSD   | 2.559645 | 25.62099 | 1.258151 | 365.8669 | 24.81106 | .2510375 | .2438186 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0561440 | -.021463 | .1477623 | .0071015 | .0063604 | 111.5009 | 1.849832 |
| #2 | .0579376 | -.014384 | .1515239 | -.003748 | .0039409 | 111.2657 | 1.849891 |
| #3 | .0590744 | -.024390 | .1495171 | .001102  | .0046843 | 110.9446 | 1.842061 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108615 | .0042018 | 67.11151 | .1801708 | .1196932 | .2521184 | 176.9789 |
| Stddev | .0002669 | .0001660 | .07271   | .0020816 | .0007382 | .0029788 | .2671    |
| %RSD   | 2.457672 | 3.950914 | .1083348 | 1.155344 | .6167623 | 1.181516 | .1509249 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0108112 | .0042731 | 67.19100 | .1788376 | .1204924 | .2536302 | 177.2464 |
| #2 | .0111501 | .0040121 | 67.04838 | .1825694 | .1195502 | .2540381 | 176.9781 |
| #3 | .0106233 | .0043203 | 67.09514 | .1791054 | .1190369 | .2486868 | 176.7122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.949169 | 74.37354 | .3086955 | -.012974 | 2.629093 | .3354670 | .4469026 |
| Stddev | .002744  | .18343   | .0008424 | .000323  | .060181  | .0014967 | .0035267 |
| %RSD   | .1407549 | .2466394 | .2729024 | 2.492044 | 2.289047 | .4461638 | .7891482 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.951162 | 74.50281 | .3083937 | -.013345 | 2.684375 | .3359085 | .4494813 |
| #2 | 1.950304 | 74.45421 | .3096473 | -.012821 | 2.637918 | .3366934 | .4483427 |
| #3 | 1.946040 | 74.16359 | .3080456 | -.012755 | 2.564987 | .3337992 | .4428837 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.05634 | 3.576223 | .3435929 | .0010374 | .3000871 | 2.888323 | .0099320 |
| Stddev | .11453   | .030799  | .0011263 | .0001610 | .0107195 | .062658  | .0015915 |
| %RSD   | .5439300 | .8612155 | .3278143 | 15.52138 | 3.572119 | 2.169340 | 16.02384 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.18841 | 3.601433 | .3440988 | .0010991 | .3112900 | 2.850826 | .0116555 |
| #2 | 20.98428 | 3.585343 | .3423023 | .0008547 | .2990439 | 2.960657 | .0085180 |
| #3 | 20.99634 | 3.541894 | .3443776 | .0011585 | .2899273 | 2.853485 | .0096225 |

Sample Name: J1226-15      Acquired: 1/23/2018 17:23:43      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B06      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4293236 | .1799214 | .3530716 |
| Stddev | .0014590 | .0012817 | .0008762 |
| %RSD   | .3398449 | .7123714 | .2481771 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4295817 | .1797760 | .3538799 |
| #2 | .4306363 | .1812696 | .3531945 |
| #3 | .4277527 | .1787186 | .3521404 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1082.386 | 2332.607 | 38608.36 | 8953.784 | 2803.063 |
| Stddev    | 19.237   | 14.770   | 351.56   | 53.137   | 11.178   |
| %RSD      | 1.777278 | .6331994 | .9105793 | .5934539 | .3987853 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1063.353 | 2343.711 | 38294.51 | 8894.731 | 2810.485 |
| #2 | 1101.821 | 2315.845 | 38988.26 | 8968.886 | 2790.207 |
| #3 | 1081.985 | 2338.266 | 38542.31 | 8997.735 | 2808.498 |

Sample Name: J1226-16      Acquired: 1/23/2018 17:27:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B07      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1304012 | -.016063 | .1708961 | -.002476 | .0029976 | 95.76313 | 1.855980 |
| Stddev | .0033166 | .003699  | .0007807 | .001450  | .0011355 | .29843   | .005410  |
| %RSD   | 2.543343 | 23.03091 | .4568469 | 58.55980 | 37.87902 | .3116359 | .2914945 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1304443 | -.019669 | .1717704 | -.001703 | .0021842 | 95.77213 | 1.857109 |
| #2 | .1336960 | -.012276 | .1702684 | -.004149 | .0042949 | 96.05696 | 1.860736 |
| #3 | .1270633 | -.016243 | .1706497 | -.001577 | .0025139 | 95.46030 | 1.850094 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0106898 | .0041001 | 163.9965 | .1728642 | .1236477 | .1688018 | 174.4283 |
| Stddev | .0002530 | .0000436 | .6887    | .0018276 | .0012076 | .0022625 | .3454    |
| %RSD   | 2.367135 | 1.062181 | .4199203 | 1.057258 | .9766453 | 1.340354 | .1980287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0108672 | .0040567 | 163.3429 | .1748249 | .1249494 | .1697705 | 174.1112 |
| #2 | .0104001 | .0040997 | 163.9311 | .1725597 | .1234296 | .1704187 | 174.3773 |
| #3 | .0108022 | .0041438 | 164.7155 | .1712079 | .1225640 | .1662162 | 174.7964 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.578432 | 90.76255 | .3069960 | -.013507 | 2.746868 | .1479250 | .4192290 |
| Stddev | .007246  | .22668   | .0004028 | .000412  | .039563  | .0019079 | .0067667 |
| %RSD   | .2810157 | .2497482 | .1311953 | 3.051947 | 1.440304 | 1.289764 | 1.614079 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.570588 | 90.60189 | .3073822 | -.013789 | 2.765834 | .1478296 | .4259222 |
| #2 | 2.579832 | 91.02183 | .3065785 | -.013698 | 2.701392 | .1498788 | .4123911 |
| #3 | 2.584876 | 90.66392 | .3070273 | -.013034 | 2.773378 | .1460666 | .4193737 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.14315 | 4.682995 | .3344889 | .0026849 | .3497674 | 2.832480 | .0105663 |
| Stddev | .05242   | .011799  | .0009039 | .0004613 | .0082809 | .016655  | .0025493 |
| %RSD   | .2889053 | .2519513 | .2702339 | 17.18200 | 2.367537 | .5879893 | 24.12677 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.12023 | 4.674296 | .3342605 | .0024097 | .3592826 | 2.849327 | .0076237 |
| #2 | 18.20312 | 4.696425 | .3337210 | .0024276 | .3441922 | 2.832087 | .0119695 |
| #3 | 18.10609 | 4.678264 | .3354850 | .0032175 | .3458273 | 2.816025 | .0121058 |

Sample Name: J1226-16      Acquired: 1/23/2018 17:27:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B07      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5307887 | .1620800 | .4447812 |
| Stddev | .0027114 | .0014587 | .0012751 |
| %RSD   | .5108167 | .8999822 | .2866822 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5335272 | .1634549 | .4448139 |
| #2 | .5307336 | .1622353 | .4460396 |
| #3 | .5281054 | .1605499 | .4434900 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1080.274 | 2287.910 | 37978.80 | 8810.762 | 2713.422 |
| Stddev    | 6.330    | 5.594    | 135.96   | 41.578   | 6.691    |
| %RSD      | .5859799 | .2445156 | .3579869 | .4719049 | .2465883 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1073.823 | 2288.575 | 37865.65 | 8835.584 | 2710.079 |
| #2 | 1080.524 | 2293.142 | 37941.11 | 8762.761 | 2721.126 |
| #3 | 1086.476 | 2282.013 | 38129.62 | 8833.941 | 2709.062 |

Sample Name: J1226-17      Acquired: 1/23/2018 17:31:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B08      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1228880 | -.020940 | .1659635 | -.001485 | .0026686 | 93.43458 | 1.820206 |
| Stddev | .0033674 | .001348  | .0013078 | .001773  | .0014540 | .21807   | .004197  |
| %RSD   | 2.740229 | 6.436499 | .7879916 | 119.3909 | 54.48310 | .2333948 | .2305827 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1210147 | -.020597 | .1644784 | -.003334 | .0042290 | 93.28310 | 1.825027 |
| #2 | .1267755 | -.022425 | .1664693 | .000200  | .0024250 | 93.68452 | 1.818220 |
| #3 | .1208738 | -.019796 | .1669429 | -.001321 | .0013519 | 93.33612 | 1.817370 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0098562 | .0059976 | 183.1810 | .1547821 | .1117065 | .1668095 | 161.9333 |
| Stddev | .0001336 | .0002663 | .6283    | .0015363 | .0005266 | .0015451 | .2132    |
| %RSD   | 1.355376 | 4.440272 | .3429877 | .9925824 | .4714391 | .9262685 | .1316287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0099509 | .0057033 | 182.6794 | .1565335 | .1113479 | .1666579 | 162.0659 |
| #2 | .0099144 | .0062220 | 182.9778 | .1536618 | .1114605 | .1684248 | 161.6874 |
| #3 | .0097034 | .0060675 | 183.8857 | .1541511 | .1123111 | .1653458 | 162.0466 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.493160 | 79.22140 | .2709986 | -.012848 | 2.553844 | .1555086 | .4121321 |
| Stddev | .008251  | .28042   | .0016656 | .000175  | .080144  | .0026363 | .0050725 |
| %RSD   | .3309328 | .3539707 | .6146251 | 1.358736 | 3.138178 | 1.695241 | 1.230790 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.492718 | 79.19989 | .2696901 | -.012790 | 2.616231 | .1573281 | .4169008 |
| #2 | 2.485140 | 78.95236 | .2704321 | -.012710 | 2.463456 | .1524854 | .4068024 |
| #3 | 2.501623 | 79.51196 | .2728736 | -.013044 | 2.581844 | .1567123 | .4126931 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 18.06618 | 4.444051 | .3099925 | .0022188 | .5903513 | 2.259686 | .0064220 |
| Stddev | .05974   | .017533  | .0017626 | .0001130 | .0096284 | .013453  | .0019729 |
| %RSD   | .3306889 | .3945315 | .5686094 | 5.092404 | 1.630961 | .5953560 | 30.72063 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 18.06234 | 4.463438 | .3114350 | .0023443 | .6011512 | 2.274563 | .0084676 |
| #2 | 18.12774 | 4.429307 | .3105149 | .0021871 | .5872380 | 2.248376 | .0045310 |
| #3 | 18.00844 | 4.439408 | .3080277 | .0021251 | .5826648 | 2.256119 | .0062673 |



Sample Name: J1226-17      Acquired: 1/23/2018 17:31:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B08      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4386627 | .1429479 | .4229576 |
| Stddev | .0015447 | .0006906 | .0008593 |
| %RSD   | .3521347 | .4830923 | .2031713 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4381366 | .1433474 | .4232554 |
| #2 | .4374499 | .1433457 | .4236284 |
| #3 | .4404018 | .1421505 | .4219890 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1088.059 | 2330.785 | 38572.40 | 9000.787 | 2717.976 |
| Stddev    | 4.715    | 3.794    | 42.28    | 27.741   | .862     |
| %RSD      | .4333128 | .1627631 | .1096196 | .3082056 | .0316964 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1083.582 | 2329.721 | 38542.45 | 9014.591 | 2718.956 |
| #2 | 1087.616 | 2327.636 | 38553.98 | 8968.852 | 2717.342 |
| #3 | 1092.980 | 2334.997 | 38620.76 | 9018.918 | 2717.629 |

Sample Name: J1226-18      Acquired: 1/23/2018 17:35:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B09      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1854627 | -.014306 | .1364516 | -.001233 | .0041373 | 83.45779 | 1.829798 |
| Stddev | .0016418 | .000878  | .0008991 | .002464  | .0003764 | .09048   | .003002  |
| %RSD   | .8852458 | 6.136931 | .6589285 | 199.8038 | 9.096578 | .1084151 | .1640548 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1838905 | -.013337 | .1356367 | .001513  | .0038059 | 83.36651 | 1.827130 |
| #2 | .1853312 | -.014533 | .1374161 | -.003250 | .0040595 | 83.45939 | 1.829216 |
| #3 | .1871662 | -.015049 | .1363018 | -.001963 | .0045464 | 83.54745 | 1.833048 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0092018 | .0059796 | 309.0920 | .1463647 | .1030276 | .1536517 | 151.6774 |
| Stddev | .0000847 | .0000733 | 1.1777   | .0011932 | .0003041 | .0015525 | .3669    |
| %RSD   | .9207239 | 1.225449 | .3810310 | .8152057 | .2951738 | 1.010399 | .2418626 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0092248 | .0059195 | 310.2738 | .1466328 | .1026795 | .1520433 | 151.4158 |
| #2 | .0092727 | .0060612 | 307.9184 | .1474010 | .1031615 | .1537703 | 151.5197 |
| #3 | .0091080 | .0059581 | 309.0838 | .1450603 | .1032418 | .1551415 | 152.0967 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.420208 | 81.60062 | .2563497 | -.012476 | 2.479153 | .1317509 | .3719005 |
| Stddev | .009787  | .15596   | .0004664 | .000122  | .061724  | .0036241 | .0023207 |
| %RSD   | .4043757 | .1911227 | .1819241 | .9742391 | 2.489738 | 2.750742 | .6239982 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.429538 | 81.77484 | .2568282 | -.012599 | 2.408328 | .1275674 | .3692297 |
| #2 | 2.410021 | 81.47404 | .2558965 | -.012472 | 2.507656 | .1339336 | .3730475 |
| #3 | 2.421064 | 81.55298 | .2563245 | -.012356 | 2.521476 | .1337516 | .3734244 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.52862 | 4.844021 | .2918909 | .0015345 | 1.298383 | 3.273030 | .0027461 |
| Stddev | .11628   | .040094  | .0008359 | .0002988 | .010028  | .050907  | .0009072 |
| %RSD   | .7488374 | .8277013 | .2863634 | 19.46896 | .7723753 | 1.555351 | 33.03387 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.39459 | 4.850551 | .2913457 | .0011904 | 1.305187 | 3.323251 | .0037766 |
| #2 | 15.58863 | 4.880449 | .2928532 | .0017276 | 1.303096 | 3.274375 | .0020682 |
| #3 | 15.60264 | 4.801063 | .2914738 | .0016856 | 1.286866 | 3.221464 | .0023935 |

Sample Name: J1226-18      Acquired: 1/23/2018 17:35:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B09      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4992409 | .1317231 | .5862407 |
| Stddev | .0032789 | .0013219 | .0014721 |
| %RSD   | .6567813 | 1.003505 | .2511021 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5011076 | .1302263 | .5845907 |
| #2 | .5011603 | .1322124 | .5874193 |
| #3 | .4954549 | .1327305 | .5867121 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1066.878 | 2271.465 | 37473.82 | 8761.926 | 2643.958 |
| Stddev    | 6.066    | 4.203    | 64.15    | 27.835   | 3.623    |
| %RSD      | .5685394 | .1850411 | .1711881 | .3176832 | .1370205 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1068.126 | 2274.994 | 37535.93 | 8746.395 | 2645.628 |
| #2 | 1072.222 | 2272.586 | 37477.73 | 8745.322 | 2639.801 |
| #3 | 1060.285 | 2266.815 | 37407.81 | 8794.061 | 2646.444 |

Sample Name: J1226-19      Acquired: 1/23/2018 17:39:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B10      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0779658 | -.014674 | .1676648 | -.000437 | .0065157 | 95.67793 | 2.365207 |
| Stddev | .0009460 | .002797  | .0034720 | .003181  | .0016951 | .11325   | .006242  |
| %RSD   | 1.213350 | 19.06281 | 2.070772 | 727.8236 | 26.01621 | .1183649 | .2638994 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0789802 | -.017497 | .1666991 | .002595  | .0053996 | 95.75328 | 2.367223 |
| #2 | .0771077 | -.011903 | .1647779 | -.000158 | .0056812 | 95.73281 | 2.358207 |
| #3 | .0778093 | -.014623 | .1715174 | -.003748 | .0084663 | 95.54770 | 2.370192 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0104296 | .0043841 | 179.1430 | .2258122 | .1064173 | .1559147 | 161.2570 |
| Stddev | .0000845 | .0001735 | .5291    | .0004169 | .0002677 | .0007563 | .4051    |
| %RSD   | .8105113 | 3.957808 | .2953423 | .1846031 | .2515884 | .4850770 | .2511831 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0105211 | .0045789 | 178.5597 | .2255661 | .1067250 | .1557568 | 160.7947 |
| #2 | .0104133 | .0042461 | 179.5921 | .2255769 | .1062893 | .1552499 | 161.4266 |
| #3 | .0103544 | .0043274 | 179.2771 | .2262935 | .1062377 | .1567375 | 161.5496 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.405947 | 62.20271 | .2485210 | -.013085 | 3.074477 | .1475306 | .7137736 |
| Stddev | .008161  | .19402   | .0005396 | .000412  | .064248  | .0006054 | .0158639 |
| %RSD   | .2396231 | .3119232 | .2171336 | 3.150312 | 2.089713 | .4103706 | 2.222543 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.396568 | 62.03070 | .2480104 | -.013361 | 3.066596 | .1468445 | .6971088 |
| #2 | 3.409839 | 62.16441 | .2484671 | -.012611 | 3.142302 | .1477573 | .7286921 |
| #3 | 3.411435 | 62.41303 | .2490856 | -.013282 | 3.014534 | .1479899 | .7155199 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.68256 | 3.447442 | .3047109 | .0061427 | .6311756 | 1.871611 | .0064492 |
| Stddev | .02762   | .044558  | .0039882 | .0002451 | .0119748 | .010916  | .0021442 |
| %RSD   | .1881326 | 1.292489 | 1.308860 | 3.990066 | 1.897219 | .5832572 | 33.24759 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.65771 | 3.481778 | .3002279 | .0062269 | .6423360 | 1.884173 | .0066520 |
| #2 | 14.71230 | 3.463457 | .3060399 | .0058667 | .6326652 | 1.864424 | .0042108 |
| #3 | 14.67768 | 3.397090 | .3078650 | .0063346 | .6185258 | 1.866237 | .0084847 |

Sample Name: J1226-19      Acquired: 1/23/2018 17:39:56      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B10      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3171076 | .1243967 | .4189005 |
| Stddev | .0022762 | .0002400 | .0000425 |
| %RSD   | .7178041 | .1929031 | .0101484 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3194593 | .1241465 | .4189038 |
| #2 | .3169484 | .1244187 | .4188564 |
| #3 | .3149152 | .1246249 | .4189413 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1059.333 | 2260.063 | 37260.87 | 8660.345 | 2723.042 |
| Stddev    | 6.365    | 7.709    | 75.92    | 42.200   | 4.682    |
| %RSD      | .6008326 | .3410833 | .2037577 | .4872781 | .1719378 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1060.256 | 2252.468 | 37346.55 | 8622.180 | 2723.572 |
| #2 | 1052.557 | 2259.841 | 37201.96 | 8653.190 | 2718.118 |
| #3 | 1065.185 | 2267.880 | 37234.09 | 8705.665 | 2727.436 |

Sample Name: J1226-20      Acquired: 1/23/2018 17:44:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B11      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0332538 | -.008440 | .0850667 | .0004900 | .0025934 | 50.48793 | 1.753798 |
| Stddev | .0017605 | .000640  | .0013920 | .0030697 | .0018143 | .03282   | .004372  |
| %RSD   | 5.294097 | 7.582844 | 1.636409 | 626.5262 | 69.95752 | .0649991 | .2492601 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0348208 | -.007819 | .0866014 | .0013241 | .0032359 | 50.46182 | 1.756057 |
| #2 | .0313488 | -.008403 | .0838855 | -.002911 | .0039991 | 50.47720 | 1.748759 |
| #3 | .0335918 | -.009097 | .0847132 | .003056  | .0005453 | 50.52477 | 1.756577 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0054485 | .0023128 | 157.3211 | .0991575 | .0593928 | .0709118 | 101.7623 |
| Stddev | .0001010 | .0001256 | .4835    | .0007304 | .0005284 | .0013831 | .2377    |
| %RSD   | 1.854183 | 5.432479 | .3073135 | .7366355 | .8895818 | 1.950505 | .2335389 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0054316 | .0024254 | 157.4367 | .0992810 | .0598447 | .0694294 | 102.0358 |
| #2 | .0053571 | .0021773 | 156.7903 | .0983732 | .0595217 | .0721677 | 101.6060 |
| #3 | .0055570 | .0023356 | 157.7363 | .0998183 | .0588119 | .0711384 | 101.6452 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.373093 | 66.27222 | .1472757 | -.009311 | 1.907959 | .0938493 | .2289238 |
| Stddev | .004148  | .13298   | .0005150 | .000181  | .120290  | .0006313 | .0036704 |
| %RSD   | .3021254 | .2006501 | .3496748 | 1.941941 | 6.304659 | .6726407 | 1.603318 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.371673 | 66.23700 | .1466832 | -.009195 | 1.777743 | .0939450 | .2331372 |
| #2 | 1.369840 | 66.16040 | .1476158 | -.009520 | 1.931203 | .0931756 | .2264212 |
| #3 | 1.377765 | 66.41926 | .1475282 | -.009219 | 2.014931 | .0944272 | .2272129 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.90504 | 4.396909 | .1988148 | .0016816 | .3615944 | 1.662888 | .0027828 |
| Stddev | .08871   | .031589  | .0007667 | .0001757 | .0074657 | .004102  | .0010754 |
| %RSD   | .8134850 | .7184322 | .3856198 | 10.45027 | 2.064653 | .2467025 | 38.64254 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.80274 | 4.364360 | .1996614 | .0016854 | .3597048 | 1.662197 | .0035089 |
| #2 | 10.96061 | 4.398926 | .1986154 | .0015040 | .3552551 | 1.667292 | .0015474 |
| #3 | 10.95179 | 4.427441 | .1981675 | .0018555 | .3698233 | 1.659175 | .0032922 |

Sample Name: J1226-20      Acquired: 1/23/2018 17:44:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B11      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5879344 | .0837616 | .3520308 |
| Stddev | .0036680 | .0003772 | .0004037 |
| %RSD   | .6238788 | .4503910 | .1146652 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5851530 | .0835966 | .3523103 |
| #2 | .5865589 | .0841932 | .3522141 |
| #3 | .5920914 | .0834949 | .3515680 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1029.292 | 2187.820 | 36272.83 | 8368.894 | 2787.433 |
| Stddev    | 3.698    | 4.144    | 89.14    | 25.306   | 5.119    |
| %RSD      | .3593243 | .1894165 | .2457377 | .3023761 | .1836373 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1025.333 | 2186.291 | 36188.00 | 8397.733 | 2782.693 |
| #2 | 1029.887 | 2192.512 | 36264.77 | 8358.553 | 2792.861 |
| #3 | 1032.658 | 2184.658 | 36365.72 | 8350.397 | 2786.747 |

Sample Name: J1226-02LX5      Acquired: 1/23/2018 17:48:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A96L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0183442 | -.003017 | .0313697 | .0022709 | .0016334 | 22.84596 | .5611742 |
| Stddev | .0008109 | .002382  | .0004630 | .0017262 | .0006116 | .02549   | .0014695 |
| %RSD   | 4.420622 | 78.92966 | 1.475776 | 76.01314 | 37.44229 | .1115631 | .2618657 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0176684 | -.001527 | .0317568 | .0016853 | .0013258 | 22.82744 | .5595021 |
| #2 | .0192434 | -.001762 | .0314954 | .0009137 | .0012367 | 22.87503 | .5622601 |
| #3 | .0181207 | -.005764 | .0308569 | .0042138 | .0023377 | 22.83542 | .5617605 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028751 | .0003498 | 7.413723 | .0320547 | .0246437 | .0129863 | 40.18878 |
| Stddev | .0000852 | .0001161 | .019923  | .0005300 | .0001214 | .0006448 | .15294   |
| %RSD   | 2.962405 | 33.19940 | .2687342 | 1.653561 | .4927906 | 4.964875 | .3805493 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0029626 | .0004073 | 7.402118 | .0319887 | .0247793 | .0123449 | 40.01312 |
| #2 | .0028703 | .0004260 | 7.402323 | .0326147 | .0246071 | .0129797 | 40.26084 |
| #3 | .0027924 | .0002161 | 7.436728 | .0315608 | .0245448 | .0136343 | 40.29237 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.011940 | 4.379968 | .0267188 | -.005167 | .4726443 | .0478902 | .0585637 |
| Stddev | .005147  | .014874  | .0001479 | .000033  | .0443967 | .0002578 | .0007407 |
| %RSD   | .5086575 | .3395844 | .5536578 | .6419486 | 9.393264 | .5384026 | 1.264689 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.005996 | 4.365422 | .0265868 | -.005190 | .4713933 | .0477401 | .0586557 |
| #2 | 1.014893 | 4.395149 | .0266911 | -.005181 | .4288863 | .0477427 | .0577813 |
| #3 | 1.014931 | 4.379333 | .0268787 | -.005129 | .5176533 | .0481880 | .0592540 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.108280 | .0439127 | .0696215 | .0001577 | .1279199 | .4192233 | .0048338 |
| Stddev | .027724  | .0015442 | .0011735 | .0002650 | .0012238 | .0076840 | .0022527 |
| %RSD   | 1.315014 | 3.516558 | 1.685586 | 168.0568 | .9566554 | 1.832918 | 46.60327 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.111233 | .0456853 | .0685647 | -.000088 | .1285672 | .4280800 | .0065352 |
| #2 | 2.079198 | .0431939 | .0694154 | .000438  | .1286840 | .4152575 | .0022791 |
| #3 | 2.134410 | .0428590 | .0708845 | .000123  | .1265084 | .4143325 | .0056872 |



Sample Name: J1226-02LX5      Acquired: 1/23/2018 17:48:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A96L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0355690 | .0079444 | .0637425 |
| Stddev | .0010532 | .0003472 | .0001265 |
| %RSD   | 2.960945 | 4.370189 | .1983728 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0362378 | .0075630 | .0636003 |
| #2 | .0361142 | .0082419 | .0638423 |
| #3 | .0343550 | .0080284 | .0637850 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1078.145 | 2305.555 | 37682.05 | 8230.869 | 3335.570 |
| Stddev    | 11.806   | 6.423    | 284.92   | 39.978   | 5.483    |
| %RSD      | 1.095053 | .2785949 | .7561095 | .4857096 | .1643723 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1082.818 | 2310.375 | 37750.85 | 8192.565 | 3341.322 |
| #2 | 1086.900 | 2298.263 | 37926.27 | 8227.708 | 3330.404 |
| #3 | 1064.718 | 2308.027 | 37369.04 | 8272.333 | 3334.985 |

Sample Name: CCV080      Acquired: 1/23/2018 17:52:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV080      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.934285 | 4.834611 | 25.77887 | 5.079865 | 4.779837 | 365.5965 |
| Stddev | .012867  | .051261  | .02923   | .009371  | .017949  | 3.4655   |
| %RSD   | .2607726 | 1.060300 | .1133823 | .1844642 | .3755129 | .9479036 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.919491 | 4.775424 | 25.74713 | 5.069819 | 4.793872 | 361.8967 |
| #2 | 4.942873 | 4.864825 | 25.78478 | 5.088368 | 4.759612 | 368.7668 |
| #3 | 4.940492 | 4.863585 | 25.80469 | 5.081409 | 4.786027 | 366.1259 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.657322 | .5155188 | 2.707999 | 389.1482 | 14.88352 | 2.662660 |
| Stddev | .044731  | .0005622 | .001013  | 2.2014   | .06920   | .004274  |
| %RSD   | .4631869 | .1090621 | .0374101 | .5656920 | .4649688 | .1605226 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.708953 | .5161330 | 2.706860 | 386.8853 | 14.86971 | 2.662659 |
| #2 | 9.632785 | .5150295 | 2.708799 | 389.2770 | 14.82227 | 2.658387 |
| #3 | 9.630229 | .5153940 | 2.708339 | 391.2824 | 14.95859 | 2.666935 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 15.55087 | 397.7419 | 13.85494 | 404.9183 | 2.647218 | F 1.432921 |
| Stddev | .06780   | .8094    | .08397   | 1.6446   | .000311  | .002727    |
| %RSD   | .4359914 | .2034870 | .6060974 | .4061638 | .0117357 | .1903269   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.53988 | 396.9113 | 13.75860 | 403.0551 | 2.647545 | 1.430487 |
| #2 | 15.62349 | 397.7861 | 13.89358 | 406.1682 | 2.646927 | 1.435869 |
| #3 | 15.48924 | 398.5282 | 13.91265 | 405.5316 | 2.647181 | 1.432408 |

|        |          |            |            |          |          |            |
|--------|----------|------------|------------|----------|----------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm        |
| Avg    | 395.6145 | F 1.998105 | F 11.96161 | 149.6731 | 5.287546 | F 5.616435 |
| Stddev | 1.1416   | .007756    | .08641     | .4215    | .054009  | .011378    |
| %RSD   | .2885701 | .3881800   | .7223988   | .2815808 | 1.021430 | .2025785   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 396.1923 | 1.991223 | 11.88108 | 150.1046 | 5.229957 | 5.606189 |
| #2 | 396.3517 | 1.996582 | 12.05289 | 149.6523 | 5.337067 | 5.628680 |
| #3 | 394.2994 | 2.006509 | 11.95086 | 149.2625 | 5.295613 | 5.614438 |

Sample Name: CCV080      Acquired: 1/23/2018 17:52:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV080      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.860357 | 5.578768 | 4.769844 | 5.291231 | 5.044349 | 4.768175 |
| Stddev | .004321  | .046553  | .004534  | .013495  | .004450  | .030562  |
| %RSD   | .0889048 | .8344743 | .0950566 | .2550500 | .0882081 | .6409543 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.857281 | 5.530982 | 4.772987 | 5.276177 | 5.048820 | 4.799606 |
| #2 | 4.858493 | 5.623982 | 4.764646 | 5.302244 | 5.044306 | 4.766355 |
| #3 | 4.865297 | 5.581341 | 4.771899 | 5.295272 | 5.039922 | 4.738564 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.196450 |
| Stddev | .044570  |
| %RSD   | .8576927 |

|    |          |
|----|----------|
| #1 | 5.158710 |
| #2 | 5.185016 |
| #3 | 5.245622 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 824.3069 | 1782.523 | 29747.97 | 7116.539 | 2252.427 |
| Stddev    | 5.6113   | 7.250    | 38.78    | 25.441   | 6.620    |
| %RSD      | .6807234 | .4067249 | .1303786 | .3574946 | .2938924 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 825.1614 | 1775.234 | 29712.06 | 7087.340 | 2245.974 |
| #2 | 818.3174 | 1789.733 | 29742.74 | 7128.347 | 2259.202 |
| #3 | 829.4418 | 1782.604 | 29789.10 | 7133.931 | 2252.103 |

Sample Name: CCB080      Acquired: 1/23/2018 17:56:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB080      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0022270 | .0011461 | -.001175 | .0020692 | .0004868 | .0214294 | -.000897 |
| Stddev | .0019746 | .0021169 | .000931  | .0007323 | .0004795 | .0109569 | .000121  |
| %RSD   | 88.66376 | 184.7045 | 79.23282 | 35.38781 | 98.50367 | 51.13034 | 13.44967 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028968 | .0016615 | -.000881 | .0028065 | .0010364 | .0340811 | -.000983 |
| #2 | .0037796 | .0029577 | -.000426 | .0020591 | .0001533 | .0150320 | -.000948 |
| #3 | .0000047 | -.001181 | -.002217 | .0013421 | .0002708 | .0151751 | -.000759 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001003 | .0000447 | .0139022 | -.000359 | -.000183 | -.006374 | .0219618 |
| Stddev | .0000100 | .0000841 | .0107902 | .000541  | .000060  | .000515  | .0111088 |
| %RSD   | 9.973141 | 188.2407 | 77.61537 | 150.9096 | 33.04874 | 8.076440 | 50.58259 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000910 | .0001291 | .0263026 | -.000605 | -.000214 | -.005780 | .0346534 |
| #2 | .0001109 | -.000039 | .0066527 | -.000733 | -.000113 | -.006688 | .0172277 |
| #3 | .0000991 | .000044  | .0087512 | .000262  | -.000221 | -.006655 | .0140042 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004251 | -.002880 | -.000208 | -.002643 | .2487755 | -.001131 | -.004964 |
| Stddev | .0000730 | .035812  | .000111  | .000049  | .0809683 | .001566  | .001571  |
| %RSD   | 17.16737 | 1243.340 | 53.27867 | 1.844511 | 32.54675 | 138.4731 | 31.63969 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005086 | -.029016 | -.000296 | -.002677 | .2192825 | .000634  | -.004372 |
| #2 | .0003734 | .037940  | -.000084 | -.002587 | .3403562 | -.001674 | -.006745 |
| #3 | .0003933 | -.017565 | -.000244 | -.002664 | .1866878 | -.002353 | -.003776 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.443706 | -.001831 | .0066933 | .0004722 | -.013654 | -.001105 | .0006206 |
| Stddev | .002018  | .000835  | .0008175 | .0003152 | .001046  | .000704  | .0014381 |
| %RSD   | .1397669 | 45.60275 | 12.21414 | 66.74435 | 7.657572 | 63.74607 | 231.7136 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.441461 | -.002735 | .0075819 | .0008342 | -.014545 | -.001504 | .0017801 |
| #2 | 1.445368 | -.001090 | .0065247 | .0002592 | -.013913 | -.000292 | .0010704 |
| #3 | 1.444290 | -.001666 | .0059732 | .0003231 | -.012503 | -.001519 | -.000989 |

Sample Name: CCB080      Acquired: 1/23/2018 17:56:31      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB080      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002917 | -.002668 | .0003711 |
| Stddev | .0005922 | .000310  | .0001515 |
| %RSD   | 203.0587 | 11.63125 | 40.82808 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0008958 | -.002312 | .0005441 |
| #2 | -.000288 | -.002812 | .0003069 |
| #3 | .000267  | -.002880 | .0002622 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1023.998 | 2198.385 | 35783.85 | 7649.795 | 3519.485 |
| Stddev    | 9.090    | 25.611   | 76.16    | 20.210   | 27.607   |
| %RSD      | .8876495 | 1.164991 | .2128361 | .2641891 | .7844128 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1031.446 | 2169.407 | 35860.49 | 7640.490 | 3487.628 |
| #2 | 1013.870 | 2217.986 | 35708.17 | 7635.914 | 3536.419 |
| #3 | 1026.678 | 2207.762 | 35782.89 | 7672.982 | 3534.409 |

Sample Name: PB105884BL      Acquired: 1/23/2018 18:00:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016943 | -.003798 | .0004691 | .0018840 | .0011082 | .0091486 | -.001322 |
| Stddev | .0023730 | .000542  | .0014643 | .0013485 | .0007686 | .0025431 | .000099  |
| %RSD   | 140.0618 | 14.27273 | 312.1155 | 71.57767 | 69.35919 | 27.79794 | 7.452093 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044182 | -.004424 | .0005462 | .0033356 | .0006071 | .0062394 | -.001421 |
| #2 | .0000749 | -.003502 | .0018934 | .0006702 | .0019932 | .0109496 | -.001321 |
| #3 | .0005897 | -.003468 | -.001032 | .0016462 | .0007243 | .0102568 | -.001224 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000020 | .0000700 | .0011949 | -.000370 | -.000235 | -.006584 | .0037596 |
| Stddev | .000036  | .0001563 | .0022965 | .000226  | .000220  | .000250  | .0035213 |
| %RSD   | 183.3299 | 223.2197 | 192.1914 | 61.17360 | 93.53533 | 3.793937 | 93.66163 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000041 | .0001238 | .0033729 | -.000113 | -.000305 | -.006837 | .0077383 |
| #2 | -.000041 | -.000106 | .0014159 | -.000454 | -.000412 | -.006578 | .0010449 |
| #3 | .000022  | .000192  | -.001204 | -.000542 | .000011  | -.006338 | .0024954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002391 | -.019155 | -.000280 | -.002835 | .2523645 | -.001537 | -.002944 |
| Stddev | .0000804 | .023503  | .000118  | .000257  | .0449109 | .001792  | .002445  |
| %RSD   | 33.64586 | 122.6996 | 42.00134 | 9.060351 | 17.79606 | 116.5736 | 83.03855 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001470 | .005688  | -.000310 | -.002564 | .2006311 | -.000769 | -.000179 |
| #2 | .0002742 | -.022115 | -.000150 | -.002868 | .2751118 | -.000257 | -.004819 |
| #3 | .0002959 | -.041038 | -.000380 | -.003075 | .2813508 | -.003585 | -.003835 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.438245 | -.002726 | .0027406 | .0000983 | -.011349 | -.001295 | -.000716 |
| Stddev | .032531  | .001410  | .0007431 | .0001202 | .001002  | .000765  | .000943  |
| %RSD   | 2.261826 | 51.71213 | 27.11340 | 122.2096 | 8.832596 | 59.05040 | 131.5810 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.400864 | -.001471 | .0022400 | .0000325 | -.012494 | -.000428 | -.001159 |
| #2 | 1.460135 | -.002456 | .0023874 | .0002370 | -.010923 | -.001585 | -.001356 |
| #3 | 1.453735 | -.004252 | .0035944 | .0000254 | -.010630 | -.001873 | .000366  |

Sample Name: PB105884BL      Acquired: 1/23/2018 18:00:44      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0004726 | -.003747 | .0002271 |
| Stddev | .0006584 | .000533  | .0000370 |
| %RSD   | 139.3084 | 14.22792 | 16.28422 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000287 | -.004190 | .0002651 |
| #2 | .000866  | -.003897 | .0002250 |
| #3 | .000839  | -.003155 | .0001912 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1028.187 | 2208.814 | 35807.06 | 7626.367 | 3530.989 |
| Stddev    | 5.444    | 8.847    | 50.71    | 10.643   | 10.588   |
| %RSD      | .5294773 | .4005533 | .1416091 | .1395596 | .2998655 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1033.720 | 2198.828 | 35854.46 | 7615.583 | 3518.971 |
| #2 | 1022.837 | 2211.938 | 35753.60 | 7626.655 | 3538.944 |
| #3 | 1028.004 | 2215.675 | 35813.12 | 7636.864 | 3535.051 |

Sample Name: PB105884BS      Acquired: 1/23/2018 18:04:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0208058 | .0577750 | .0204905 | .0740244 | .1164310 | .3845493 |
| Stddev | .0026305 | .0011074 | .0011829 | .0014846 | .0012589 | .0038548 |
| %RSD   | 12.64312 | 1.916813 | 5.772744 | 2.005559 | 1.081261 | 1.002423 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0177809 | .0580854 | .0194868 | .0754588 | .1152279 | .3841949 |
| #2 | .0220793 | .0565454 | .0217946 | .0724943 | .1177391 | .3885691 |
| #3 | .0225572 | .0586941 | .0201902 | .0741202 | .1163259 | .3808840 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4044798 | .0111086 | .0110800 | 10.52137 | .0246632 | .1051133 |
| Stddev | .0008086 | .0001409 | .0001151 | .05467   | .0002160 | .0003488 |
| %RSD   | .1999014 | 1.268446 | 1.038761 | .5196329 | .8757472 | .3318441 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4035496 | .0110600 | .0110443 | 10.45829 | .0246482 | .1047384 |
| #2 | .4050143 | .0109985 | .0112087 | 10.55080 | .0248864 | .1054283 |
| #3 | .4048754 | .0112674 | .0109869 | 10.55502 | .0244552 | .1051731 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0474946 | .2436510 | .0298741 | 10.16609 | .0884626 | .0158630 |
| Stddev | .0020268 | .0054355 | .0002275 | .06107   | .0003809 | .0004131 |
| %RSD   | 4.267451 | 2.230850 | .7616098 | .6007569 | .4306182 | 2.604475 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0493984 | .2423640 | .0296142 | 10.10264 | .0883914 | .0153958 |
| #2 | .0453639 | .2496145 | .0299707 | 10.17116 | .0881223 | .0160131 |
| #3 | .0477217 | .2389745 | .0300374 | 10.22447 | .0888741 | .0161801 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.14847 | .0857020 | .0936047 | 10.74599 | .0253429 | F .0235980 |
| Stddev | .14065   | .0014023 | .0042359 | .04489   | .0016893 | .0007432   |
| %RSD   | 1.385896 | 1.636198 | 4.525315 | .4177093 | 6.665738 | 3.149500   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.03489 | .0866194 | .0890524 | 10.70822 | .0233932 | .0236282 |
| #2 | 10.30579 | .0863988 | .0974302 | 10.73414 | .0263697 | .0228401 |
| #3 | 10.10473 | .0840878 | .0943316 | 10.79562 | .0262657 | .0243256 |



Sample Name: PB105884BS      Acquired: 1/23/2018 18:04:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0214804 | .1803301 | .2062004 | F .0146350 | .2049285 | .0872839 |
| Stddev | .0001806 | .0047578 | .0016610 | .0004928   | .0008990 | .0004828 |
| %RSD   | .8405974 | 2.638377 | .8055069 | 3.366950   | .4386798 | .5531409 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214125 | .1748385 | .2069848 | .0142871 | .2047340 | .0873065 |
| #2 | .0216851 | .1832116 | .2042925 | .0151988 | .2041427 | .0867902 |
| #3 | .0213437 | .1829402 | .2073240 | .0144190 | .2059088 | .0877550 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2154579 |
| Stddev | .0003842 |
| %RSD   | .1783217 |

|    |          |
|----|----------|
| #1 | .2150606 |
| #2 | .2154854 |
| #3 | .2158276 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 994.1580 | 2177.666 | 34624.68 | 7641.396 | 3316.104 |
| Stddev    | 17.6420  | 3.675    | 295.58   | 24.234   | 7.640    |
| %RSD      | 1.774569 | .1687377 | .8536796 | .3171377 | .2304027 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 999.2870 | 2173.852 | 34582.00 | 7613.415 | 3307.535 |
| #2 | 974.5198 | 2181.183 | 34352.75 | 7655.103 | 3318.571 |
| #3 | 1008.667 | 2177.963 | 34939.28 | 7655.669 | 3322.207 |

Sample Name: J1227-01      Acquired: 1/23/2018 18:09:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A22      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0247876 | -.007102 | .2312221 | .0050746 | .0020811 | 80.74603 | 1.830130 |
| Stddev | .0044003 | .003006  | .0021565 | .0019438 | .0007109 | .03831   | .009554  |
| %RSD   | 17.75205 | 42.33243 | .9326573 | 38.30398 | 34.15959 | .0474480 | .5220330 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0247083 | -.004647 | .2287714 | .0043897 | .0012699 | 80.75729 | 1.825735 |
| #2 | .0292270 | -.006203 | .2320651 | .0072681 | .0025958 | 80.77745 | 1.841090 |
| #3 | .0204275 | -.010455 | .2328297 | .0035660 | .0023775 | 80.70335 | 1.823563 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061458 | .0023164 | 18.22824 | .1672605 | .0289457 | .0365823 | 54.65426 |
| Stddev | .0000056 | .0000674 | .09613   | .0018490 | .0003075 | .0012120 | .14758   |
| %RSD   | .0902964 | 2.908696 | .5273641 | 1.105462 | 1.062443 | 3.313114 | .2700260 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0061489 | .0022387 | 18.16441 | .1651383 | .0285915 | .0358040 | 54.55670 |
| #2 | .0061491 | .0023586 | 18.18150 | .1681190 | .0291445 | .0379788 | 54.58205 |
| #3 | .0061394 | .0023519 | 18.33880 | .1685242 | .0291012 | .0359642 | 54.82404 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.004032 | 9.370784 | .0661877 | -.005987 | .8123004 | .0944750 | .2701825 |
| Stddev | .005244  | .002147  | .0002599 | .000072  | .0460216 | .0006719 | .0060661 |
| %RSD   | .2616543 | .0229135 | .3926555 | 1.196113 | 5.665585 | .7111577 | 2.245176 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.998133 | 9.370493 | .0664644 | -.006029 | .7881023 | .0940700 | .2767829 |
| #2 | 2.005799 | 9.368798 | .0661501 | -.006029 | .8653729 | .0952505 | .2648516 |
| #3 | 2.008164 | 9.373062 | .0659487 | -.005905 | .7834260 | .0941044 | .2689131 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.579424 | 2.901341 | .1035845 | .0019369 | 2.790495 | 4.237687 | .0078651 |
| Stddev | .043561  | .036132  | .0009475 | .0001845 | .013593  | .069445  | .0003988 |
| %RSD   | .9512320 | 1.245364 | .9147235 | 9.526670 | .4871319 | 1.638748 | 5.069936 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.583590 | 2.937457 | .1028221 | .0021383 | 2.806187 | 4.294279 | .0082966 |
| #2 | 4.620752 | 2.901373 | .1032862 | .0018967 | 2.782976 | 4.258591 | .0077885 |
| #3 | 4.533929 | 2.865192 | .1046453 | .0017759 | 2.782322 | 4.160191 | .0075102 |

Sample Name: J1227-01      Acquired: 1/23/2018 18:09:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A22      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1577543 | .0499073 | .1581693 |
| Stddev | .0031858 | .0005818 | .0004402 |
| %RSD   | 2.019438 | 1.165804 | .2783117 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1560235 | .0496033 | .1585956 |
| #2 | .1614308 | .0505781 | .1581959 |
| #3 | .1558085 | .0495404 | .1577164 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1100.760 | 2316.999 | 38785.81 | 8746.830 | 3077.681 |
| Stddev    | 21.900   | 6.251    | 227.10   | 25.162   | 3.611    |
| %RSD      | 1.989521 | .2697960 | .5855119 | .2876756 | .1173209 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1075.474 | 2310.109 | 38536.90 | 8720.739 | 3073.534 |
| #2 | 1113.191 | 2318.582 | 38981.71 | 8770.948 | 3080.127 |
| #3 | 1113.616 | 2322.308 | 38838.82 | 8748.803 | 3079.382 |

Sample Name: J1227-02      Acquired: 1/23/2018 18:13:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A23      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0185430 | -.006181 | .2239936 | .0059216 | .0004200 | 79.29894 | 2.043672 |
| Stddev | .0032463 | .003837  | .0019913 | .0002221 | .0012918 | .21911   | .012545  |
| %RSD   | 17.50696 | 62.08411 | .8889747 | 3.750338 | 307.5610 | .2763118 | .6138421 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0216993 | -.009609 | .2230699 | .0057390 | .0017693 | 79.13527 | 2.030182 |
| #2 | .0152135 | -.002036 | .2226319 | .0058569 | .0002961 | 79.21368 | 2.045848 |
| #3 | .0187162 | -.006897 | .2262789 | .0061688 | -.000805 | 79.54787 | 2.054987 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061716 | .0016650 | 18.41361 | .1714881 | .0233627 | .1003987 | 42.66996 |
| Stddev | .0000573 | .0000476 | .09966   | .0013393 | .0001944 | .0013348 | .34918   |
| %RSD   | .9281579 | 2.857689 | .5412455 | .7809916 | .8322183 | 1.329478 | .8183237 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062192 | .0017159 | 18.30064 | .1703620 | .0231920 | .1005133 | 42.30913 |
| #2 | .0061876 | .0016216 | 18.45113 | .1729692 | .0235743 | .0990103 | 42.69458 |
| #3 | .0061081 | .0016576 | 18.48907 | .1711332 | .0233218 | .1016725 | 43.00619 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.319101 | 8.371008 | .0521300 | -.005081 | .7729853 | .1007336 | .3216704 |
| Stddev | .004323  | .017621  | .0005152 | .000075  | .0086412 | .0004531 | .0049205 |
| %RSD   | .3277135 | .2105019 | .9883850 | 1.478906 | 1.117905 | .4498393 | 1.529683 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.314317 | 8.354565 | .0526441 | -.004995 | .7772782 | .1011617 | .3254844 |
| #2 | 1.322726 | 8.368851 | .0516136 | -.005136 | .7786395 | .1007799 | .3234106 |
| #3 | 1.320259 | 8.389609 | .0521325 | -.005112 | .7630383 | .1002590 | .3161163 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.487169 | 2.487264 | .0812752 | .0027031 | 3.683839 | 3.513543 | .0059613 |
| Stddev | .007699  | .028106  | .0012022 | .0001687 | .015173  | .010930  | .0009084 |
| %RSD   | .1715823 | 1.129985 | 1.479161 | 6.241651 | .4118786 | .3110887 | 15.23770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.493953 | 2.463160 | .0800874 | .0028606 | 3.669244 | 3.520699 | .0062988 |
| #2 | 4.488753 | 2.480496 | .0812469 | .0025251 | 3.682741 | 3.500961 | .0066527 |
| #3 | 4.478801 | 2.518136 | .0824912 | .0027237 | 3.699530 | 3.518968 | .0049325 |

Sample Name: J1227-02      Acquired: 1/23/2018 18:13:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A23      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1275290 | .0498507 | .1543984 |
| Stddev | .0037777 | .0006562 | .0005409 |
| %RSD   | 2.962216 | 1.316357 | .3503293 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1241946 | .0491085 | .1538678 |
| #2 | .1316318 | .0500898 | .1543785 |
| #3 | .1267605 | .0503539 | .1549490 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1107.909 | 2338.614 | 39097.70 | 8855.123 | 3101.199 |
| Stddev    | 11.918   | 5.072    | 54.49    | 25.988   | 3.080    |
| %RSD      | 1.075748 | .2168669 | .1393653 | .2934750 | .0993142 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1094.149 | 2333.620 | 39036.78 | 8872.557 | 3097.875 |
| #2 | 1114.584 | 2343.760 | 39141.79 | 8867.557 | 3103.956 |
| #3 | 1114.994 | 2338.463 | 39114.52 | 8825.254 | 3101.766 |

Sample Name: J1227-03      Acquired: 1/23/2018 18:17:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A25      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0402789 | -.005923 | .2522810 | .0047418 | .0023258 | 57.47178 | 2.195584 |
| Stddev | .0016419 | .003124  | .0039319 | .0019245 | .0011712 | .28650   | .001036  |
| %RSD   | 4.076344 | 52.74033 | 1.558525 | 40.58591 | 50.35768 | .4985140 | .0472050 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0385222 | -.002415 | .2520705 | .0032504 | .0013954 | 57.19706 | 2.196503 |
| #2 | .0417748 | -.008403 | .2484587 | .0069142 | .0019410 | 57.44951 | 2.194460 |
| #3 | .0405397 | -.006950 | .2563140 | .0040608 | .0036410 | 57.76877 | 2.195788 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0064592 | .0031271 | 21.18747 | .1068630 | .0834175 | .0359854 | 83.35950 |
| Stddev | .0001612 | .0000469 | .05920   | .0005754 | .0003649 | .0008765 | .33188   |
| %RSD   | 2.495280 | 1.499754 | .2794067 | .5384813 | .4374646 | 2.435588 | .3981358 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063815 | .0031780 | 21.21126 | .1064382 | .0831432 | .0363707 | 83.66875 |
| #2 | .0063516 | .0031177 | 21.12008 | .1075179 | .0838316 | .0349823 | 83.00886 |
| #3 | .0066445 | .0030856 | 21.23108 | .1066330 | .0832775 | .0366032 | 83.40088 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.844760 | 8.487625 | .0768233 | -.007709 | .8700982 | .1200229 | .3663720 |
| Stddev | .029484  | .030286  | .0002033 | .000048  | .0269922 | .0017777 | .0008991 |
| %RSD   | .2994901 | .3568263 | .2645940 | .6283986 | 3.102198 | 1.481170 | .2454023 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.851207 | 8.482243 | .0770463 | -.007667 | .8995304 | .1200164 | .3670393 |
| #2 | 9.812585 | 8.520242 | .0766483 | -.007698 | .8465002 | .1218039 | .3653496 |
| #3 | 9.870486 | 8.460391 | .0767754 | -.007762 | .8642640 | .1182485 | .3667269 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.501266 | 2.300563 | .1542476 | .0013027 | 1.761831 | 4.051028 | .0048318 |
| Stddev | .003766  | .003023  | .0014681 | .0000793 | .004732  | .025658  | .0028326 |
| %RSD   | .1075645 | .1314146 | .9518078 | 6.089941 | .2685616 | .6333767 | 58.62438 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.504272 | 2.298052 | .1558657 | .0012442 | 1.766135 | 4.031390 | .0021867 |
| #2 | 3.502485 | 2.299718 | .1530007 | .0013930 | 1.756764 | 4.041635 | .0078206 |
| #3 | 3.497042 | 2.303919 | .1538765 | .0012710 | 1.762595 | 4.080059 | .0044882 |

Sample Name: J1227-03      Acquired: 1/23/2018 18:17:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A25      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1523994 | .0407508 | .1505327 |
| Stddev | .0021908 | .0002297 | .0004590 |
| %RSD   | 1.437539 | .5637742 | .3049069 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1499348 | .0405406 | .1502966 |
| #2 | .1531379 | .0407158 | .1502400 |
| #3 | .1541255 | .0409961 | .1510617 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1094.818 | 2340.989 | 38917.88 | 8813.284 | 3077.846 |
| Stddev    | 4.506    | 9.540    | 86.96    | 29.002   | 5.009    |
| %RSD      | .4116008 | .4075154 | .2234384 | .3290680 | .1627585 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1093.306 | 2332.196 | 38847.28 | 8836.044 | 3074.246 |
| #2 | 1099.886 | 2339.640 | 39015.02 | 8823.179 | 3075.724 |
| #3 | 1091.262 | 2351.132 | 38891.35 | 8780.630 | 3083.567 |

Sample Name: J1227-04      Acquired: 1/23/2018 18:21:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A81      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0511106 | -.007644 | .5739508 | .0019470 | .0032037 | 101.1763 | 1.812167 |
| Stddev | .0026110 | .002256  | .0025922 | .0040731 | .0001548 | .4570    | .014020  |
| %RSD   | 5.108578 | 29.51748 | .4516416 | 209.2027 | 4.832070 | .4517342 | .7736435 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0482291 | -.005516 | .5715700 | .0041201 | .0030264 | 101.6981 | 1.828354 |
| #2 | .0533194 | -.007406 | .5767123 | -.002752 | .0032729 | 100.9840 | 1.803923 |
| #3 | .0517835 | -.010010 | .5735702 | .004473  | .0033118 | 100.8468 | 1.804222 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055323 | .0108195 | 48.01102 | .1484467 | .0833400 | .1025319 | 105.7871 |
| Stddev | .0001184 | .0000848 | .31160   | .0001347 | .0004494 | .0022849 | .3261    |
| %RSD   | 2.140821 | .7835218 | .6490219 | .0907501 | .5392020 | 2.228511 | .3083003 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0056368 | .0109078 | 47.67928 | .1483081 | .0838278 | .1048236 | 105.8458 |
| #2 | .0054037 | .0107388 | 48.05625 | .1484550 | .0832496 | .1025184 | 105.4356 |
| #3 | .0055564 | .0108118 | 48.29754 | .1485771 | .0829428 | .1002538 | 106.0799 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6893896 | 20.02818 | .1502360 | -.008946 | 1.738209 | .1270369 | .6077920 |
| Stddev | .0008906 | .14183   | .0006589 | .000101  | .050543  | .0022302 | .0173855 |
| %RSD   | .1291789 | .7081467 | .4385990 | 1.129174 | 2.907761 | 1.755516 | 2.860431 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6885417 | 20.14442 | .1505911 | -.008983 | 1.796039 | .1269739 | .5898534 |
| #2 | .6893096 | 19.87015 | .1494757 | -.008832 | 1.702483 | .1248389 | .6245657 |
| #3 | .6903174 | 20.06996 | .1506412 | -.009024 | 1.716106 | .1292979 | .6089569 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.073444 | 1.512130 | .1936298 | .0013914 | 29.40820 | 2.388239 | .0066553 |
| Stddev | .054231  | .006442  | .0016612 | .0000614 | .09514   | .028213  | .0009662 |
| %RSD   | .8929203 | .4260401 | .8579288 | 4.409314 | .3235093 | 1.181311 | 14.51687 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.135716 | 1.519569 | .1919764 | .0013324 | 29.49543 | 2.411774 | .0060614 |
| #2 | 6.048022 | 1.508459 | .1936142 | .0013868 | 29.30676 | 2.356964 | .0061344 |
| #3 | 6.036594 | 1.508363 | .1952987 | .0014548 | 29.42243 | 2.395980 | .0077701 |



Sample Name: J1227-04      Acquired: 1/23/2018 18:21:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A81      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3428345 | .0974543 | .2527112 |
| Stddev | .0002507 | .0009258 | .0011788 |
| %RSD   | .0731161 | .9499878 | .4664699 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3430342 | .0984929 | .2540701 |
| #2 | .3425532 | .0967158 | .2521004 |
| #3 | .3429160 | .0971542 | .2519631 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1066.065 | 2245.661 | 36893.71 | 8319.975 | 2995.734 |
| Stddev    | 4.542    | 3.855    | 102.91   | 86.249   | 1.576    |
| %RSD      | .4260635 | .1716595 | .2789439 | 1.036644 | .0526047 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1070.249 | 2248.436 | 36842.44 | 8221.527 | 2994.375 |
| #2 | 1061.234 | 2241.260 | 36826.50 | 8382.233 | 2995.364 |
| #3 | 1066.713 | 2247.288 | 37012.19 | 8356.164 | 2997.461 |

Sample Name: J1227-05      Acquired: 1/23/2018 18:25:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A82      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1266732 | -.019634 | .2134484 | -.002208 | .0057656 | 112.3193 | 1.938395 |
| Stddev | .0020423 | .002955  | .0023601 | .000712  | .0008060 | .3509    | .011922  |
| %RSD   | 1.612251 | 15.05199 | 1.105700 | 32.24050 | 13.98003 | .3124495 | .6150516 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1247041 | -.022722 | .2108625 | -.002378 | .0052699 | 112.2389 | 1.942040 |
| #2 | .1287815 | -.016832 | .2154864 | -.002820 | .0053313 | 112.7035 | 1.948069 |
| #3 | .1265341 | -.019348 | .2139962 | -.001427 | .0066957 | 112.0156 | 1.925075 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0162006 | .0048089 | 58.99534 | .1566707 | .1686830 | .2361858 | 227.8705 |
| Stddev | .0001530 | .0001107 | .17344   | .0001444 | .0004310 | .0011220 | .1547    |
| %RSD   | .9443374 | 2.301220 | .2939871 | .0921724 | .2555324 | .4750385 | .0678690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0163284 | .0046916 | 58.82872 | .1565821 | .1690560 | .2366992 | 227.8079 |
| #2 | .0162423 | .0048238 | 58.98242 | .1565927 | .1682111 | .2369592 | 227.7569 |
| #3 | .0160311 | .0049114 | 59.17488 | .1568374 | .1687817 | .2348990 | 228.0466 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.997541 | 72.03621 | .3557818 | -.017117 | 4.062617 | .1843014 | .4730388 |
| Stddev | .009667  | .30990   | .0005475 | .000154  | .030649  | .0015333 | .0042020 |
| %RSD   | .1934442 | .4301956 | .1538972 | .8972625 | .7544211 | .8319409 | .8882948 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.987676 | 72.09690 | .3552159 | -.017101 | 4.037564 | .1831580 | .4726007 |
| #2 | 5.006998 | 72.31128 | .3563089 | -.017278 | 4.053495 | .1837025 | .4690730 |
| #3 | 4.997948 | 71.70046 | .3558207 | -.016972 | 4.096792 | .1860438 | .4774427 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.23714 | 3.156155 | .4183007 | .0034337 | 8.769871 | 1.507523 | .0081307 |
| Stddev | .10683   | .016393  | .0033840 | .0001662 | .041458  | .009131  | .0024457 |
| %RSD   | .7010977 | .5194098 | .8089790 | 4.839574 | .4727290 | .6056868 | 30.08021 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.25122 | 3.144166 | .4157227 | .0036066 | 8.739143 | 1.518050 | .0085185 |
| #2 | 15.33623 | 3.149463 | .4170468 | .0032752 | 8.753446 | 1.502763 | .0103593 |
| #3 | 15.12398 | 3.174835 | .4221327 | .0034193 | 8.817025 | 1.501754 | .0055142 |

Sample Name: J1227-05      Acquired: 1/23/2018 18:25:31      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A82      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1704997 | .1508774 | .3216789 |
| Stddev | .0005515 | .0013359 | .0013989 |
| %RSD   | .3234357 | .8853920 | .4348757 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1700012 | .1518430 | .3222756 |
| #2 | .1710920 | .1514362 | .3226805 |
| #3 | .1704058 | .1493528 | .3200806 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1107.816 | 2346.999 | 38641.02 | 8763.050 | 2840.505 |
| Stddev    | 3.607    | 7.838    | 80.18    | 50.519   | 10.737   |
| %RSD      | .3255670 | .3339476 | .2074951 | .5765032 | .3780089 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1105.553 | 2346.662 | 38553.99 | 8705.186 | 2846.663 |
| #2 | 1111.976 | 2355.001 | 38711.88 | 8798.388 | 2846.745 |
| #3 | 1105.920 | 2339.336 | 38657.20 | 8785.577 | 2828.107 |

Sample Name: J1227-06      Acquired: 1/23/2018 18:29:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A83      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3519272 | -.023600 | .2445485 | -.001860 | .0073791 | 100.6280 | 2.948979 |
| Stddev | .0015433 | .001710  | .0034724 | .001836  | .0018341 | .1543    | .013718  |
| %RSD   | .4385360 | 7.245751 | 1.419921 | 98.74088 | 24.85554 | .1533666 | .4651636 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3511962 | -.024496 | .2406562 | -.003974 | .0064941 | 100.4851 | 2.961882 |
| #2 | .3537002 | -.021629 | .2456609 | -.000939 | .0094880 | 100.6073 | 2.934571 |
| #3 | .3508852 | -.024677 | .2473283 | -.000665 | .0061554 | 100.7916 | 2.950484 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0140724 | .0059126 | 61.36894 | .1578698 | .1593894 | .2416738 | 237.2967 |
| Stddev | .0000785 | .0001936 | .18996   | .0012461 | .0009055 | .0023975 | .6938    |
| %RSD   | .5581632 | 3.274425 | .3095436 | .7893091 | .5680739 | .9920441 | .2923737 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0141600 | .0060838 | 61.15922 | .1587072 | .1599751 | .2444402 | 238.0103 |
| #2 | .0140083 | .0057025 | 61.41813 | .1564378 | .1583465 | .2403816 | 236.6246 |
| #3 | .0140488 | .0059516 | 61.52947 | .1584644 | .1598465 | .2401996 | 237.2552 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.752043 | 64.96571 | .3949254 | -.016804 | 4.221324 | .2798618 | .4502285 |
| Stddev | .004631  | .15734   | .0011552 | .000196  | .121450  | .0051579 | .0092371 |
| %RSD   | .1682901 | .2421912 | .2925106 | 1.168328 | 2.877058 | 1.843028 | 2.051652 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.752012 | 65.12821 | .3941406 | -.016599 | 4.344482 | .2745699 | .4395820 |
| #2 | 2.747428 | 64.81409 | .3943837 | -.016990 | 4.217832 | .2848744 | .4549925 |
| #3 | 2.756691 | 64.95482 | .3962519 | -.016824 | 4.101657 | .2801410 | .4561110 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.74074 | 4.831437 | .4353977 | -.000738 | 3.993133 | 1.594011 | .0084731 |
| Stddev | .03550   | .026257  | .0010165 | .000734  | .032229  | .018135  | .0016010 |
| %RSD   | .2407992 | .5434565 | .2334729 | 99.40984 | .8071195 | 1.137691 | 18.89561 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.74036 | 4.837929 | .4365606 | -.000470 | 4.003133 | 1.598411 | .0102900 |
| #2 | 14.70544 | 4.802544 | .4346780 | -.001568 | 3.957088 | 1.609541 | .0078604 |
| #3 | 14.77642 | 4.853839 | .4349544 | -.000176 | 4.019176 | 1.574081 | .0072688 |

Sample Name: J1227-06      Acquired: 1/23/2018 18:29:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A83      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2294186 | .1447853 | .3972300 |
| Stddev | .0013162 | .0012658 | .0005831 |
| %RSD   | .5737203 | .8742726 | .1468009 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2295242 | .1459765 | .3971395 |
| #2 | .2280527 | .1434562 | .3966973 |
| #3 | .2306788 | .1449232 | .3978530 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1149.239 | 2440.955 | 40244.45 | 9135.822 | 2858.857 |
| Stddev    | 7.689    | 4.895    | 115.77   | 28.687   | 3.699    |
| %RSD      | .6690747 | .2005470 | .2876558 | .3140071 | .1293789 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1152.041 | 2437.244 | 40282.55 | 9108.229 | 2855.088 |
| #2 | 1140.541 | 2439.118 | 40114.44 | 9133.747 | 2859.001 |
| #3 | 1155.134 | 2446.503 | 40336.37 | 9165.490 | 2862.481 |

Sample Name: J1227-07      Acquired: 1/23/2018 18:33:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A84      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1286615 | -.013391 | .3852862 | -.000416 | .0039265 | 75.73001 | 2.623289 |
| Stddev | .0059484 | .003983  | .0031207 | .001695  | .0002055 | .12556   | .012364  |
| %RSD   | 4.623320 | 29.74230 | .8099766 | 407.3204 | 5.234226 | .1657934 | .4713093 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1255812 | -.014575 | .3886378 | -.002373 | .0040046 | 75.58540 | 2.624419 |
| #2 | .1248850 | -.008951 | .3824640 | .000585  | .0040816 | 75.79341 | 2.635049 |
| #3 | .1355184 | -.016648 | .3847568 | .000540  | .0036934 | 75.81122 | 2.610399 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0146988 | .0025968 | 43.32939 | .1137993 | .1195721 | .3736169 | 180.4019 |
| Stddev | .0001925 | .0001851 | .20847   | .0013179 | .0006319 | .0027455 | 1.0471   |
| %RSD   | 1.309679 | 7.128482 | .4811188 | 1.158076 | .5284348 | .7348458 | .5804015 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0144905 | .0025722 | 43.09364 | .1150515 | .1202840 | .3733436 | 179.2822 |
| #2 | .0147356 | .0027930 | 43.48938 | .1124243 | .1193546 | .3764888 | 181.3568 |
| #3 | .0148702 | .0024252 | 43.40516 | .1139221 | .1190778 | .3710182 | 180.5666 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.044692 | 52.15977 | .2662898 | -.014186 | 4.078881 | .1640365 | .3693284 |
| Stddev | .037827  | .27620   | .0012722 | .000102  | .058421  | .0019474 | .0024550 |
| %RSD   | .6257900 | .5295326 | .4777443 | .7179945 | 1.432288 | 1.187183 | .6647327 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.001067 | 52.02816 | .2657334 | -.014275 | 4.116065 | .1620129 | .3702776 |
| #2 | 6.068393 | 52.47717 | .2653905 | -.014207 | 4.109034 | .1641991 | .3665405 |
| #3 | 6.064615 | 51.97399 | .2677454 | -.014075 | 4.011544 | .1658975 | .3711671 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.02345 | 2.530028 | .3298941 | .0008747 | 2.396037 | 1.634107 | .0063197 |
| Stddev | .03701   | .015685  | .0012647 | .0002099 | .009379  | .011672  | .0005206 |
| %RSD   | .3078260 | .6199339 | .3833769 | 23.99416 | .3914331 | .7142694 | 8.238131 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.02976 | 2.534986 | .3292661 | .0008919 | 2.388302 | 1.624022 | .0057592 |
| #2 | 12.05689 | 2.512463 | .3313500 | .0010755 | 2.393338 | 1.646892 | .0067881 |
| #3 | 11.98368 | 2.542634 | .3290664 | .0006568 | 2.406469 | 1.631407 | .0064118 |

Sample Name: J1227-07      Acquired: 1/23/2018 18:33:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6A84      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1497926 | .1124688 | .3060011 |
| Stddev | .0008982 | .0005485 | .0006178 |
| %RSD   | .5996474 | .4876628 | .2018832 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1503835 | .1127339 | .3061656 |
| #2 | .1487589 | .1128344 | .3065200 |
| #3 | .1502352 | .1118382 | .3053177 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1073.002 | 2270.604 | 37530.49 | 8485.326 | 2923.242 |
| Stddev    | 3.748    | 10.221   | 9.00     | 27.472   | 5.210    |
| %RSD      | .3493246 | .4501522 | .0239719 | .3237531 | .1782385 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1076.969 | 2263.982 | 37526.67 | 8513.881 | 2918.343 |
| #2 | 1072.517 | 2282.376 | 37540.77 | 8459.085 | 2928.716 |
| #3 | 1069.520 | 2265.454 | 37524.04 | 8483.011 | 2922.667 |

Sample Name: J1227-08      Acquired: 1/23/2018 18:37:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0935601 | -.015727 | .3468448 | -.000388 | .0055217 | 98.20518 | 3.270440 |
| Stddev | .0027612 | .002486  | .0016547 | .002296  | .0015413 | .34855   | .017417  |
| %RSD   | 2.951225 | 15.80434 | .4770712 | 591.5913 | 27.91328 | .3549204 | .5325586 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0906961 | -.014039 | .3461995 | .002239  | .0043569 | 97.93268 | 3.255880 |
| #2 | .0962055 | -.014560 | .3456101 | -.002009 | .0049388 | 98.08494 | 3.265705 |
| #3 | .0937786 | -.018581 | .3487250 | -.001395 | .0072694 | 98.59794 | 3.289735 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0138944 | .0030194 | 49.95694 | .1429819 | .1248049 | .3125482 | 189.6073 |
| Stddev | .0000544 | .0000978 | .47875   | .0009387 | .0010605 | .0021739 | 1.5780   |
| %RSD   | .3915307 | 3.238014 | .9583198 | .6565214 | .8497413 | .6955512 | .8322234 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0138942 | .0029423 | 49.60312 | .1420677 | .1241267 | .3101077 | 188.5028 |
| #2 | .0138402 | .0029866 | 49.76600 | .1429347 | .1242610 | .3132595 | 188.9045 |
| #3 | .0139490 | .0031294 | 50.50169 | .1439433 | .1260270 | .3142774 | 191.4145 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.434690 | 60.92595 | .2883464 | -.014260 | 4.044232 | .1646527 | .4163691 |
| Stddev | .029951  | .37686   | .0006971 | .000392  | .068796  | .0042790 | .0041520 |
| %RSD   | .6753888 | .6185518 | .2417560 | 2.746802 | 1.701098 | 2.598776 | .9971997 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.406271 | 60.58601 | .2879297 | -.014712 | 4.004739 | .1601652 | .4199173 |
| #2 | 4.431831 | 60.86063 | .2891512 | -.014035 | 4.004287 | .1686870 | .4173874 |
| #3 | 4.465968 | 61.33119 | .2879584 | -.014032 | 4.123671 | .1651057 | .4118027 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.98749 | 2.409677 | .3528410 | .0007055 | 3.228387 | 1.830548 | .0064071 |
| Stddev | .11653   | .014571  | .0063557 | .0003691 | .013917  | .002480  | .0022584 |
| %RSD   | .7288524 | .6046808 | 1.801280 | 52.30941 | .4310832 | .1354564 | 35.24767 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.89329 | 2.413091 | .3478628 | .0011194 | 3.222660 | 1.827697 | .0086851 |
| #2 | 15.95139 | 2.422238 | .3506603 | .0005866 | 3.244254 | 1.832207 | .0063673 |
| #3 | 16.11780 | 2.393702 | .3600000 | .0004106 | 3.218247 | 1.831739 | .0041689 |



Sample Name: J1227-08      Acquired: 1/23/2018 18:37:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6A85      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1846238 | .1315209 | .3652330 |
| Stddev | .0015432 | .0010386 | .0014242 |
| %RSD   | .8358838 | .7897011 | .3899494 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1843788 | .1312095 | .3645441 |
| #2 | .1832178 | .1306735 | .3642843 |
| #3 | .1862749 | .1326796 | .3668708 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1081.351 | 2294.721 | 37623.77 | 8559.570 | 2893.198 |
| Stddev    | 2.889    | 17.645   | 40.16    | 9.923    | 10.399   |
| %RSD      | .2671830 | .7689231 | .1067419 | .1159294 | .3594189 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1080.359 | 2277.912 | 37626.97 | 8561.394 | 2881.424 |
| #2 | 1079.089 | 2293.153 | 37582.11 | 8568.454 | 2897.041 |
| #3 | 1084.605 | 2313.097 | 37662.24 | 8548.861 | 2901.127 |

Sample Name: J1227-09      Acquired: 1/23/2018 18:41:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B22      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0286817 | -.006756 | .0644890 | .0005850 | .0017567 | 35.18538 | .8829607 |
| Stddev | .0026079 | .001610  | .0032029 | .0030645 | .0014725 | .02163   | .0005554 |
| %RSD   | 9.092684 | 23.82752 | 4.966520 | 523.8265 | 83.82099 | .0614656 | .0629056 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0312149 | -.008593 | .0667133 | .0038657 | .0018278 | 35.20003 | .8825535 |
| #2 | .0288252 | -.005591 | .0659358 | .0000932 | .0002500 | 35.19556 | .8827351 |
| #3 | .0260049 | -.006085 | .0608180 | -.002204 | .0031923 | 35.16054 | .8835934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0035656 | .0013445 | 89.72968 | .0746501 | .0470036 | .0507758 | 75.13536 |
| Stddev | .0000263 | .0000481 | .19020   | .0008465 | .0001915 | .0008820 | .19680   |
| %RSD   | .7368640 | 3.574335 | .2119715 | 1.133960 | .4074903 | 1.737016 | .2619278 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0035398 | .0013330 | 89.54936 | .0753343 | .0468171 | .0499838 | 75.12287 |
| #2 | .0035923 | .0013032 | 89.71126 | .0749127 | .0469937 | .0506175 | 74.94510 |
| #3 | .0035646 | .0013972 | 89.92842 | .0737035 | .0471998 | .0517263 | 75.33811 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.217144 | 49.57424 | .1210200 | -.007403 | 1.487238 | .0654623 | .1345639 |
| Stddev | .006036  | .12317   | .0003579 | .000315  | .058797  | .0027002 | .0014469 |
| %RSD   | .1431293 | .2484614 | .2957420 | 4.257012 | 3.953426 | 4.124852 | 1.075211 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.219465 | 49.56059 | .1212631 | -.007053 | 1.509811 | .0644394 | .1335794 |
| #2 | 4.210293 | 49.45846 | .1211880 | -.007493 | 1.531403 | .0634230 | .1338871 |
| #3 | 4.221676 | 49.70367 | .1206090 | -.007664 | 1.420500 | .0685245 | .1362251 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.632959 | 2.770731 | .1529109 | -.000229 | .1398414 | 3.335854 | .0010887 |
| Stddev | .017046  | .017566  | .0013897 | .000102  | .0047721 | .013775  | .0013223 |
| %RSD   | .2569946 | .6340000 | .9088359 | 44.41541 | 3.412533 | .4129307 | 121.4562 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.620443 | 2.750776 | .1532706 | -.000113 | .1380089 | 3.351755 | .0025451 |
| #2 | 6.626060 | 2.777560 | .1513767 | -.000273 | .1362572 | 3.327566 | -.000037 |
| #3 | 6.652373 | 2.783858 | .1540853 | -.000301 | .1452582 | 3.328240 | .000758  |

Sample Name: J1227-09      Acquired: 1/23/2018 18:41:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B22      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3877233 | .0654588 | .1801992 |
| Stddev | .0014900 | .0004638 | .0000582 |
| %RSD   | .3842858 | .7085926 | .0322948 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3892962 | .0655830 | .1801385 |
| #2 | .3863331 | .0658479 | .1802545 |
| #3 | .3875406 | .0649455 | .1802048 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1058.886 | 2236.419 | 36892.15 | 8341.808 | 3002.992 |
| Stddev    | 6.078    | .879     | 36.38    | 35.869   | 4.068    |
| %RSD      | .5739897 | .0393257 | .0986059 | .4299953 | .1354543 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1065.798 | 2236.237 | 36901.71 | 8308.512 | 3005.370 |
| #2 | 1056.481 | 2235.645 | 36851.95 | 8337.121 | 3005.312 |
| #3 | 1054.379 | 2237.375 | 36922.80 | 8379.790 | 2998.296 |

Sample Name: J1227-10      Acquired: 1/23/2018 18:45:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B23      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0744295 | -.018988 | .1575333 | -.002344 | .0052436 | 104.9641 | 1.734964 |
| Stddev | .0045795 | .000531  | .0010376 | .001920  | .0001773 | .1945    | .008908  |
| %RSD   | 6.152805 | 2.795714 | .6586795 | 81.92653 | 3.381079 | .1852618 | .5134483 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0784082 | -.019413 | .1563603 | -.001205 | .0050389 | 104.7773 | 1.731098 |
| #2 | .0754565 | -.018393 | .1579084 | -.004561 | .0053435 | 105.1654 | 1.728642 |
| #3 | .0694237 | -.019157 | .1583312 | -.001265 | .0053485 | 104.9495 | 1.745152 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0114759 | .0065491 | 204.8274 | .1521951 | .1056298 | .1971456 | 167.6650 |
| Stddev | .0001315 | .0000309 | 1.3366   | .0008916 | .0003392 | .0016264 | .9000    |
| %RSD   | 1.145556 | .4714676 | .6525462 | .5858119 | .3211008 | .8249526 | .5367721 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0115252 | .0065232 | 203.5370 | .1512920 | .1059458 | .1965744 | 166.7369 |
| #2 | .0115756 | .0065833 | 204.7393 | .1522186 | .1052715 | .1989805 | 167.7240 |
| #3 | .0113269 | .0065410 | 206.2058 | .1530747 | .1056722 | .1958819 | 168.5340 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.848480 | 71.95020 | .2648635 | -.013065 | 2.897684 | .1619716 | .4040848 |
| Stddev | .025638  | .39505   | .0015361 | .000243  | .079247  | .0021020 | .0042694 |
| %RSD   | .6661869 | .5490652 | .5799719 | 1.856448 | 2.734826 | 1.297741 | 1.056560 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.827677 | 71.58818 | .2658821 | -.013274 | 2.964412 | .1625450 | .4046916 |
| #2 | 3.840640 | 71.89086 | .2630966 | -.013122 | 2.918546 | .1637274 | .4080183 |
| #3 | 3.877123 | 72.37157 | .2656118 | -.012799 | 2.810093 | .1596425 | .3995445 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.31331 | 3.704367 | .3151681 | .0010216 | .4311794 | 2.609217 | .0064994 |
| Stddev | .01495   | .035549  | .0034520 | .0001242 | .0054854 | .029611  | .0012701 |
| %RSD   | .0735972 | .9596614 | 1.095274 | 12.15725 | 1.272179 | 1.134855 | 19.54185 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.32111 | 3.669707 | .3117710 | .0010185 | .4257731 | 2.591448 | .0058373 |
| #2 | 20.29607 | 3.702650 | .3150607 | .0008990 | .4310246 | 2.643400 | .0056970 |
| #3 | 20.32274 | 3.740744 | .3186725 | .0011473 | .4367406 | 2.592803 | .0079637 |

Sample Name: J1227-10      Acquired: 1/23/2018 18:45:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B23      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3141967 | .1471942 | .6634601 |
| Stddev | .0013045 | .0004063 | .0007429 |
| %RSD   | .4151926 | .2760478 | .1119735 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3127956 | .1473793 | .6627170 |
| #2 | .3153763 | .1467283 | .6634606 |
| #3 | .3144181 | .1474750 | .6642028 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1103.896 | 2338.336 | 38361.71 | 8830.510 | 2738.750 |
| Stddev    | 12.083   | 10.055   | 256.45   | 14.239   | 7.788    |
| %RSD      | 1.094549 | .4300116 | .6685152 | .1612432 | .2843653 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1094.163 | 2345.675 | 38115.97 | 8839.362 | 2743.977 |
| #2 | 1100.104 | 2326.875 | 38341.48 | 8814.085 | 2729.799 |
| #3 | 1117.419 | 2342.458 | 38627.68 | 8838.082 | 2742.473 |

Sample Name: J1227-11      Acquired: 1/23/2018 18:49:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B24      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0699909 | -.018614 | .1520112 | -.000332 | .0030767 | 93.09030 | 1.471895 |
| Stddev | .0020560 | .003035  | .0012544 | .001176  | .0010719 | .06523   | .003763  |
| %RSD   | 2.937493 | 16.30254 | .8251798 | 353.9237 | 34.84090 | .0700745 | .2556855 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0680638 | -.018509 | .1514862 | -.000502 | .0038488 | 93.12274 | 1.472539 |
| #2 | .0721552 | -.015634 | .1534428 | -.001415 | .0018528 | 93.01520 | 1.475294 |
| #3 | .0697537 | -.021700 | .1511047 | .000919  | .0035286 | 93.13294 | 1.467850 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0098089 | .0067365 | 113.0514 | .1507880 | .1082515 | .1678251 | 152.0760 |
| Stddev | .0001257 | .0003040 | .4601    | .0001912 | .0004935 | .0027658 | .4953    |
| %RSD   | 1.281951 | 4.512167 | .4069845 | .1267874 | .4558845 | 1.648029 | .3256910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0096808 | .0069290 | 112.8659 | .1507532 | .1086574 | .1650932 | 151.9233 |
| #2 | .0098140 | .0063861 | 113.5753 | .1506167 | .1077022 | .1706236 | 152.6297 |
| #3 | .0099321 | .0068944 | 112.7129 | .1509942 | .1083949 | .1677584 | 151.6751 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.144392 | 75.00137 | .2714700 | -.012003 | 2.346795 | .1382768 | .3814412 |
| Stddev | .008403  | .52009   | .0014953 | .000202  | .053636  | .0009166 | .0049420 |
| %RSD   | .3918552 | .6934358 | .5508182 | 1.680859 | 2.285490 | .6628515 | 1.295614 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.137113 | 74.46766 | .2723824 | -.011797 | 2.365391 | .1393329 | .3861921 |
| #2 | 2.153588 | 75.50667 | .2697443 | -.012200 | 2.286336 | .1376882 | .3818034 |
| #3 | 2.142475 | 75.02979 | .2722832 | -.012011 | 2.388657 | .1378095 | .3763280 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.37897 | 3.596612 | .2951201 | .0006552 | .3718816 | 2.289524 | .0061897 |
| Stddev | .04147   | .024452  | .0010316 | .0002321 | .0008964 | .007634  | .0004494 |
| %RSD   | .2385936 | .6798591 | .3495665 | 35.42957 | .2410446 | .3334313 | 7.261041 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.42452 | 3.604867 | .2953669 | .0004920 | .3710858 | 2.285704 | .0067077 |
| #2 | 17.36896 | 3.615868 | .2960059 | .0009209 | .3717064 | 2.298314 | .0059591 |
| #3 | 17.34342 | 3.569101 | .2939874 | .0005525 | .3728527 | 2.284553 | .0059024 |

Sample Name: J1227-11      Acquired: 1/23/2018 18:49:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B24      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4487308 | .1611372 | .3421307 |
| Stddev | .0001920 | .0007414 | .0003019 |
| %RSD   | .0427813 | .4601028 | .0882410 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4488709 | .1605846 | .3424716 |
| #2 | .4485120 | .1619798 | .3418970 |
| #3 | .4488095 | .1608473 | .3420235 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1125.570 | 2391.526 | 39513.23 | 9064.815 | 2789.060 |
| Stddev    | 7.487    | 6.210    | 31.55    | 9.749    | 7.639    |
| %RSD      | .6651777 | .2596767 | .0798474 | .1075433 | .2738841 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1123.642 | 2384.529 | 39513.56 | 9055.449 | 2780.493 |
| #2 | 1119.237 | 2393.666 | 39481.52 | 9064.091 | 2795.162 |
| #3 | 1133.833 | 2396.383 | 39544.61 | 9074.906 | 2791.526 |

Sample Name: J1227-12      Acquired: 1/23/2018 18:54:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B25      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0753236 | -.021076 | .2332853 | .0005516 | .0044648 | 113.4165 | 1.871245 |
| Stddev | .0013330 | .003225  | .0012372 | .0008725 | .0004628 | .6434    | .005802  |
| %RSD   | 1.769709 | 15.30191 | .5303463 | 158.1658 | 10.36451 | .5673095 | .3100366 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0768363 | -.017917 | .2342108 | -.000454 | .0045870 | 113.1128 | 1.871580 |
| #2 | .0743208 | -.020949 | .2337652 | .001103  | .0048542 | 112.9811 | 1.865284 |
| #3 | .0748137 | -.024363 | .2318801 | .001006  | .0039532 | 114.1555 | 1.876872 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0128482 | .0062430 | 141.7596 | .1799462 | .1441474 | .2224790 | 201.8103 |
| Stddev | .0001417 | .0001990 | 1.4238   | .0007735 | .0005941 | .0005207 | 1.8371   |
| %RSD   | 1.102677 | 3.187653 | 1.004389 | .4298361 | .4121679 | .2340415 | .9102861 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0128682 | .0064414 | 141.1392 | .1792242 | .1435386 | .2228424 | 200.9005 |
| #2 | .0129788 | .0062443 | 140.7512 | .1798517 | .1441780 | .2218825 | 200.6056 |
| #3 | .0126976 | .0060434 | 143.3883 | .1807625 | .1447256 | .2227122 | 203.9247 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.314016 | 89.14090 | .3424574 | -.015090 | 2.981164 | .2158805 | .4865533 |
| Stddev | .030628  | .49368   | .0014411 | .000164  | .082652  | .0028799 | .0156080 |
| %RSD   | .9241928 | .5538168 | .4208238 | 1.084851 | 2.772473 | 1.334023 | 3.207873 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.302801 | 88.85496 | .3413848 | -.015227 | 3.075680 | .2139477 | .4986273 |
| #2 | 3.290575 | 88.85679 | .3418917 | -.015135 | 2.945365 | .2145032 | .4689286 |
| #3 | 3.348670 | 89.71095 | .3440955 | -.014909 | 2.922446 | .2191904 | .4921039 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.59541 | 4.656361 | .3857747 | .0003700 | .4040873 | 5.130707 | .0058289 |
| Stddev | .12087   | .033872  | .0047996 | .0001062 | .0050446 | .071244  | .0010456 |
| %RSD   | .5868787 | .7274258 | 1.244159 | 28.71392 | 1.248393 | 1.388574 | 17.93850 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.56153 | 4.671052 | .3851174 | .0003902 | .4011272 | 5.181718 | .0069641 |
| #2 | 20.49510 | 4.617624 | .3813376 | .0004646 | .4012227 | 5.161094 | .0049052 |
| #3 | 20.72961 | 4.680407 | .3908692 | .0002551 | .4099121 | 5.049308 | .0056173 |



Sample Name: J1227-12      Acquired: 1/23/2018 18:54:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B25      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .5153113 | .1803581 | .4671726 |
| Stddev | .0029652 | .0012591 | .0021713 |
| %RSD   | .5754124 | .6981208 | .4647752 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .5177329 | .1809829 | .4659290 |
| #2 | .5120043 | .1789088 | .4659090 |
| #3 | .5161967 | .1811827 | .4696798 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1119.559 | 2367.265 | 39153.70 | 8970.217 | 2732.984 |
| Stddev    | 12.450   | 29.094   | 136.88   | 27.882   | 20.661   |
| %RSD      | 1.112041 | 1.229029 | .3496068 | .3108271 | .7559924 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1106.308 | 2366.788 | 39001.47 | 8972.705 | 2736.077 |
| #2 | 1121.355 | 2338.412 | 39266.66 | 8941.174 | 2710.951 |
| #3 | 1131.013 | 2396.595 | 39192.97 | 8996.771 | 2751.924 |

Sample Name: J1227-13      Acquired: 1/23/2018 18:58:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B26      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0562098 | -.010525 | .1102038 | .0003784 | .0026471 | 63.92102 | 1.659673 |
| Stddev | .0012149 | .001506  | .0021533 | .0032683 | .0014720 | .13832   | .002949  |
| %RSD   | 2.161275 | 14.30591 | 1.953920 | 863.7172 | 55.60997 | .2163907 | .1776600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0573605 | -.011557 | .1120679 | .0014068 | .0013952 | 63.82252 | 1.662998 |
| #2 | .0563291 | -.008797 | .1078468 | .0030088 | .0042687 | 64.07915 | 1.658642 |
| #3 | .0549397 | -.011221 | .1106967 | -.003280 | .0022772 | 63.86138 | 1.657378 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066851 | .0025386 | 124.9024 | .1336719 | .0709902 | .1014771 | 110.0085 |
| Stddev | .0001968 | .0001469 | .2909    | .0014475 | .0005252 | .0012650 | .2580    |
| %RSD   | 2.943158 | 5.785971 | .2329345 | 1.082863 | .7398788 | 1.246584 | .2344950 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067961 | .0027013 | 124.6287 | .1347820 | .0708778 | .1012041 | 109.7114 |
| #2 | .0068013 | .0024986 | 125.2080 | .1341991 | .0705302 | .1028563 | 110.1758 |
| #3 | .0064579 | .0024158 | 124.8704 | .1320348 | .0715625 | .1003709 | 110.1384 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.792360 | 55.71546 | .1730780 | -.009418 | 2.128576 | .1118846 | .2799394 |
| Stddev | .004760  | .11721   | .0014105 | .000210  | .065511  | .0009746 | .0094911 |
| %RSD   | .1255110 | .2103778 | .8149392 | 2.229284 | 3.077676 | .8710672 | 3.390409 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.788160 | 55.81486 | .1721346 | -.009655 | 2.186174 | .1109569 | .2697721 |
| #2 | 3.797530 | 55.74532 | .1724001 | -.009257 | 2.057309 | .1117969 | .2814804 |
| #3 | 3.791390 | 55.58621 | .1746995 | -.009342 | 2.142245 | .1129001 | .2885657 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.71893 | 3.230351 | .2127390 | .0037284 | .3692242 | 4.250228 | .0040338 |
| Stddev | .03649   | .028425  | .0029640 | .0001461 | .0017439 | .022998  | .0027611 |
| %RSD   | .3404475 | .8799472 | 1.393258 | 3.917728 | .4723144 | .5411044 | 68.44849 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.74849 | 3.205406 | .2103493 | .0037714 | .3679780 | 4.251605 | .0033488 |
| #2 | 10.73015 | 3.224349 | .2118119 | .0035657 | .3684775 | 4.226572 | .0016797 |
| #3 | 10.67814 | 3.261298 | .2160557 | .0038482 | .3712171 | 4.272507 | .0070728 |

Sample Name: J1227-13      Acquired: 1/23/2018 18:58:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B26      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .4626395 | .0931885 | .3160126 |
| Stddev | .0002519 | .0008864 | .0010231 |
| %RSD   | .0544395 | .9511660 | .3237415 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .4627945 | .0924743 | .3149471 |
| #2 | .4623488 | .0929109 | .3169872 |
| #3 | .4627750 | .0941805 | .3161033 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1061.640 | 2273.665 | 37127.81 | 8471.695 | 2892.499 |
| Stddev    | 17.861   | 14.296   | 237.76   | 26.036   | 11.842   |
| %RSD      | 1.682443 | .6287523 | .6403699 | .3073246 | .4093988 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1066.908 | 2257.438 | 37268.92 | 8459.190 | 2879.057 |
| #2 | 1076.275 | 2279.159 | 37261.21 | 8454.272 | 2901.392 |
| #3 | 1041.737 | 2284.399 | 36853.31 | 8501.624 | 2897.047 |

Sample Name: J1227-14      Acquired: 1/23/2018 19:02:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B12      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1298488 | -.019012 | .4395699 | .0022446 | .0043464 | 93.65105 | 2.499955 |
| Stddev | .0046948 | .000524  | .0005691 | .0014003 | .0021722 | .27040   | .005117  |
| %RSD   | 3.615601 | 2.756051 | .1294680 | 62.38765 | 49.97818 | .2887324 | .2046996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1265000 | -.019549 | .4401175 | .0034926 | .0065947 | 93.43284 | 2.494960 |
| #2 | .1278313 | -.018983 | .4389815 | .0025108 | .0022592 | 93.56674 | 2.505187 |
| #3 | .1352152 | -.018503 | .4396109 | .0007302 | .0041852 | 93.95356 | 2.499718 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0111347 | .0134369 | 53.52836 | .6141077 | .1522405 | .2632240 | 196.9645 |
| Stddev | .0000716 | .0002813 | .48411   | .0016317 | .0001192 | .0010405 | 1.2638   |
| %RSD   | .6433500 | 2.093830 | .9043966 | .2656984 | .0783252 | .3952851 | .6416293 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0111248 | .0137616 | 53.21155 | .6122729 | .1521127 | .2622644 | 196.1080 |
| #2 | .0110685 | .0132825 | 53.28791 | .6146545 | .1523488 | .2630779 | 196.3696 |
| #3 | .0112107 | .0132666 | 54.08562 | .6153958 | .1522599 | .2643299 | 198.4160 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.326880 | 10.81012 | .1181105 | -.014216 | 1.301718 | .2815328 | 4.121638 |
| Stddev | .053517  | .04858   | .0004640 | .000039  | .078341  | .0028302 | .045778  |
| %RSD   | .8458675 | .4493508 | .3928895 | .2716384 | 6.018255 | 1.005284 | 1.110681 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.286414 | 10.75471 | .1185450 | -.014171 | 1.296572 | .2811892 | 4.131113 |
| #2 | 6.306666 | 10.83028 | .1176217 | -.014242 | 1.226077 | .2788901 | 4.071864 |
| #3 | 6.387560 | 10.84538 | .1181648 | -.014234 | 1.382504 | .2845191 | 4.161937 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.848329 | 1.123288 | .3577881 | .0042527 | 2.924138 | 3.807188 | .0250946 |
| Stddev | .022552  | .005643  | .0008580 | .0003291 | .005602  | .031032  | .0011774 |
| %RSD   | .4651404 | .5023673 | .2398157 | 7.737266 | .1915776 | .8151015 | 4.691753 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.822553 | 1.116791 | .3570271 | .0038776 | 2.921440 | 3.773574 | .0255839 |
| #2 | 4.864424 | 1.126960 | .3576191 | .0043885 | 2.930579 | 3.813242 | .0237515 |
| #3 | 4.858009 | 1.126114 | .3587180 | .0044922 | 2.920397 | 3.834747 | .0259484 |

Sample Name: J1227-14      Acquired: 1/23/2018 19:02:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B12      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1786948 | .0349699 | .2978776 |
| Stddev | .0045359 | .0003231 | .0007810 |
| %RSD   | 2.538371 | .9238428 | .2621934 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1763142 | .0348636 | .2974471 |
| #2 | .1758447 | .0353328 | .2974065 |
| #3 | .1839254 | .0347134 | .2987791 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1093.445 | 2303.001 | 38788.17 | 8848.362 | 2945.907 |
| Stddev    | 11.157   | 2.559    | 59.52    | 33.837   | 4.906    |
| %RSD      | 1.020381 | .1111362 | .1534597 | .3824138 | .1665334 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1088.294 | 2305.247 | 38727.81 | 8870.032 | 2951.299 |
| #2 | 1106.247 | 2303.540 | 38846.82 | 8865.683 | 2944.716 |
| #3 | 1085.794 | 2300.215 | 38789.88 | 8809.370 | 2941.706 |

Sample Name: J1227-15      Acquired: 1/23/2018 19:06:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B13      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0657971 | -.016310 | .2190815 | .0015370 | .0034952 | 106.5098 | 1.261187 |
| Stddev | .0011668 | .000475  | .0003775 | .0013468 | .0008469 | .1574    | .003349  |
| %RSD   | 1.773322 | 2.911910 | .1722930 | 87.62398 | 24.23190 | .1477758 | .2655668 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0652991 | -.015870 | .2190552 | .0030729 | .0029512 | 106.6585 | 1.257595 |
| #2 | .0649620 | -.016813 | .2187179 | .0009807 | .0030633 | 106.5259 | 1.261740 |
| #3 | .0671303 | -.016246 | .2194715 | .0005575 | .0044710 | 106.3449 | 1.264225 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0122382 | .0027024 | 34.05520 | .1308982 | .1189337 | .0843639 | 168.8096 |
| Stddev | .0001148 | .0001829 | .30135   | .0001362 | .0005773 | .0008086 | 1.3302   |
| %RSD   | .9377637 | 6.766527 | .8848985 | .1040511 | .4853853 | .9585236 | .7879642 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0122048 | .0029131 | 33.72518 | .1308196 | .1195603 | .0852153 | 167.2753 |
| #2 | .0123660 | .0025862 | 34.31575 | .1310554 | .1184234 | .0836061 | 169.6384 |
| #3 | .0121439 | .0026078 | 34.12469 | .1308195 | .1188174 | .0842702 | 169.5151 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.782496 | 24.37229 | .1510437 | -.013199 | 1.681446 | .2328776 | .1483911 |
| Stddev | .012277  | .25124   | .0007038 | .000473  | .019765  | .0025525 | .0021360 |
| %RSD   | .4412204 | 1.030859 | .4659469 | 3.585191 | 1.175478 | 1.096057 | 1.439427 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.768443 | 24.15328 | .1502716 | -.013737 | 1.664712 | .2355790 | .1472751 |
| #2 | 2.787903 | 24.31703 | .1516492 | -.012845 | 1.703253 | .2325476 | .1508540 |
| #3 | 2.791141 | 24.64657 | .1512105 | -.013016 | 1.676373 | .2305062 | .1470443 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.047862 | .2568704 | .3059745 | .0014883 | .5207765 | 2.559364 | .0086817 |
| Stddev | .018620  | .0033834 | .0031972 | .0001606 | .0102086 | .063676  | .0008146 |
| %RSD   | .3688783 | 1.317176 | 1.044935 | 10.78756 | 1.960271 | 2.487965 | 9.383475 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.036441 | .2529649 | .3024890 | .0016292 | .5150962 | 2.621415 | .0081838 |
| #2 | 5.069349 | .2589151 | .3066632 | .0013135 | .5146715 | 2.562500 | .0082395 |
| #3 | 5.037796 | .2587310 | .3087713 | .0015223 | .5325619 | 2.494178 | .0096218 |

Sample Name: J1227-15      Acquired: 1/23/2018 19:06:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MF6B13      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1898683 | .0550470 | .3168779 |
| Stddev | .0004005 | .0004122 | .0001568 |
| %RSD   | .2109176 | .7488883 | .0494711 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1900433 | .0545753 | .3167880 |
| #2 | .1894101 | .0552269 | .3167868 |
| #3 | .1901514 | .0553386 | .3170589 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1178.291 | 2501.097 | 40686.00 | 9166.122 | 2993.337 |
| Stddev    | 10.546   | 13.421   | 229.92   | 20.933   | 10.830   |
| %RSD      | .8949829 | .5366205 | .5650970 | .2283760 | .3618010 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1166.348 | 2485.707 | 40426.27 | 9155.733 | 2980.978 |
| #2 | 1186.318 | 2507.208 | 40863.47 | 9152.416 | 2997.869 |
| #3 | 1182.207 | 2510.375 | 40768.26 | 9190.218 | 3001.166 |

Sample Name: J1227-16      Acquired: 1/23/2018 19:10:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B14      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0471111 | -.015941 | .1394731 | .0006687 | .0021626 | 59.44917 | 2.151106 |
| Stddev | .0020783 | .001029  | .0012299 | .0012174 | .0003152 | .10333   | .009888  |
| %RSD   | 4.411431 | 6.452413 | .8818332 | 182.0465 | 14.57380 | .1738188 | .4596926 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0447538 | -.016552 | .1385001 | -.000736 | .0020079 | 59.36724 | 2.144382 |
| #2 | .0486790 | -.014754 | .1408556 | .001413  | .0019548 | 59.56526 | 2.146475 |
| #3 | .0479004 | -.016518 | .1390638 | .001329  | .0025253 | 59.41502 | 2.162460 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0090529 | .0032313 | 17.80139 | .0777986 | .0866694 | .0948825 | 97.79194 |
| Stddev | .0001581 | .0001311 | .09824   | .0003705 | .0004501 | .0007152 | .52126   |
| %RSD   | 1.746762 | 4.057529 | .5518655 | .4762324 | .5192805 | .7537346 | .5330292 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0090296 | .0031549 | 17.77712 | .0773855 | .0864032 | .0940891 | 97.78073 |
| #2 | .0092214 | .0031563 | 17.71755 | .0779086 | .0864159 | .0954776 | 97.27638 |
| #3 | .0089078 | .0033827 | 17.90949 | .0781016 | .0871890 | .0950808 | 98.31872 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.654687 | 24.15959 | .2040957 | -.009475 | 1.573444 | .1390879 | .1749395 |
| Stddev | .003414  | .08253   | .0009063 | .000231  | .032089  | .0005110 | .0004449 |
| %RSD   | .2063084 | .3416126 | .4440485 | 2.442321 | 2.039405 | .3673883 | .2543284 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.652948 | 24.17412 | .2030677 | -.009276 | 1.537203 | .1385853 | .1744578 |
| #2 | 1.652492 | 24.07076 | .2047794 | -.009729 | 1.584880 | .1390715 | .1750255 |
| #3 | 1.658620 | 24.23390 | .2044399 | -.009420 | 1.598248 | .1396069 | .1753351 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.054207 | 2.284849 | .1795892 | .0014676 | .6034546 | 1.729586 | .0071763 |
| Stddev | .027132  | .000632  | .0008614 | .0002830 | .0037854 | .005489  | .0004370 |
| %RSD   | .5368231 | .0276594 | .4796635 | 19.28242 | .6272854 | .3173656 | 6.089853 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.025932 | 2.285578 | .1788407 | .0013460 | .6015165 | 1.728654 | .0069248 |
| #2 | 5.056660 | 2.284459 | .1793962 | .0012658 | .6010307 | 1.735482 | .0069231 |
| #3 | 5.080029 | 2.284510 | .1805308 | .0017911 | .6078166 | 1.724623 | .0076809 |



Sample Name: J1227-16      Acquired: 1/23/2018 19:10:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B14      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3872105 | .0594594 | .2160099 |
| Stddev | .0011152 | .0003038 | .0006123 |
| %RSD   | .2880203 | .5109772 | .2834651 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3865410 | .0596177 | .2158717 |
| #2 | .3865925 | .0596513 | .2154785 |
| #3 | .3884979 | .0591091 | .2166795 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1436.706 | 3067.157 | 50192.86 | 11158.46 | 3065.687 |
| Stddev    | 9.774    | 9.559    | 68.47    | 49.33    | 5.562    |
| %RSD      | .6803212 | .3116597 | .1364124 | .4420975 | .1814296 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1445.725 | 3056.191 | 50221.68 | 11135.86 | 3059.282 |
| #2 | 1426.321 | 3071.548 | 50114.70 | 11124.48 | 3068.485 |
| #3 | 1438.073 | 3073.731 | 50242.22 | 11215.05 | 3069.295 |

Sample Name: J1227-17      Acquired: 1/23/2018 19:14:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0333151 | -.010643 | .0622641 | -.002103 | .0029827 | 58.39054 | 1.589204 |
| Stddev | .0018640 | .002004  | .0008447 | .001598  | .0003582 | .11228   | .002342  |
| %RSD   | 5.595132 | 18.83201 | 1.356694 | 75.99986 | 12.01074 | .1922921 | .1473890 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0347111 | -.008686 | .0613447 | -.001824 | .0032077 | 58.26278 | 1.586652 |
| #2 | .0340359 | -.012691 | .0624415 | -.003823 | .0025696 | 58.47351 | 1.589705 |
| #3 | .0311983 | -.010552 | .0630060 | -.000663 | .0031708 | 58.43533 | 1.591256 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066870 | .0023778 | 17.97046 | .0785131 | .0575703 | .0614437 | 92.42484 |
| Stddev | .0001119 | .0000737 | .17215   | .0009819 | .0003550 | .0008586 | .58464   |
| %RSD   | 1.673296 | 3.099751 | .9579697 | 1.250568 | .6166997 | 1.397365 | .6325573 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065688 | .0024626 | 17.80296 | .0774953 | .0572459 | .0621922 | 91.76775 |
| #2 | .0067913 | .0023292 | 18.14691 | .0794546 | .0579496 | .0605064 | 92.88747 |
| #3 | .0067009 | .0023416 | 17.96151 | .0785892 | .0575154 | .0616325 | 92.61930 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.344531 | 22.20142 | .1558792 | -.008501 | 1.608132 | .0967066 | .1513202 |
| Stddev | .007638  | .12558   | .0005885 | .000016  | .083734  | .0013918 | .0014542 |
| %RSD   | .5680569 | .5656371 | .3775481 | .1913471 | 5.206906 | 1.439220 | .9609980 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.337602 | 22.12956 | .1565580 | -.008492 | 1.700499 | .0963964 | .1529091 |
| #2 | 1.352721 | 22.34643 | .1555124 | -.008520 | 1.537197 | .0982273 | .1500554 |
| #3 | 1.343269 | 22.12828 | .1555672 | -.008492 | 1.586702 | .0954960 | .1509962 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.095105 | 1.898152 | .1730791 | .0010757 | .3714680 | 2.143577 | .0051834 |
| Stddev | .030027  | .011885  | .0001394 | .0004251 | .0040497 | .024957  | .0007004 |
| %RSD   | .5893289 | .6261539 | .0805641 | 39.51861 | 1.090199 | 1.164272 | 13.51209 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.062517 | 1.911808 | .1732304 | .0011950 | .3667917 | 2.116243 | .0044763 |
| #2 | 5.121653 | 1.890145 | .1730512 | .0006037 | .3738136 | 2.165149 | .0051971 |
| #3 | 5.101145 | 1.892502 | .1729557 | .0014284 | .3737986 | 2.149338 | .0058769 |

Sample Name: J1227-17      Acquired: 1/23/2018 19:14:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MF6B15      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3987032 | .0553204 | .2074088 |
| Stddev | .0010744 | .0003305 | .0002329 |
| %RSD   | .2694792 | .5974799 | .1122711 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3974860 | .0556521 | .2074092 |
| #2 | .3995198 | .0553181 | .2071757 |
| #3 | .3991038 | .0549911 | .2076414 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1222.516 | 2604.162 | 42419.26 | 9487.858 | 3104.433 |
| Stddev    | 9.797    | 1.664    | 128.52   | 31.031   | 4.215    |
| %RSD      | .8014091 | .0638989 | .3029858 | .3270626 | .1357610 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1222.430 | 2603.889 | 42396.52 | 9497.514 | 3100.789 |
| #2 | 1232.356 | 2605.946 | 42557.64 | 9453.147 | 3103.462 |
| #3 | 1212.762 | 2602.652 | 42303.63 | 9512.914 | 3109.048 |

Sample Name: CCV081      Acquired: 1/23/2018 19:18:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV081      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203     | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | 5.276909 | 5.203877 | F 27.65613 | 5.397853 | 5.102057 | 365.1236 |
| Stddev | .008859  | .029931  | .07287     | .013947  | .008687  | 1.8497   |
| %RSD   | .1678825 | .5751742 | .2635036   | .2583857 | .1702718 | .5066025 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.286699 | 5.210160 | 27.62985 | 5.387397 | 5.093826 | 365.8021 |
| #2 | 5.274582 | 5.171302 | 27.60003 | 5.392474 | 5.111138 | 366.5383 |
| #3 | 5.269446 | 5.230167 | 27.73850 | 5.413689 | 5.101206 | 363.0305 |

|        |          |            |            |          |          |            |
|--------|----------|------------|------------|----------|----------|------------|
| Elem   | Ba4934   | Be2348     | Cd2144     | Ca3736   | Cr2677   | Co2286     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm      | ppm        |
| Avg    | 10.22606 | F .5586361 | F 2.895074 | 401.8292 | 16.07665 | F 2.841807 |
| Stddev | .06125   | .0032778   | .006243    | .0951    | .08163   | .006111    |
| %RSD   | .5989942 | .5867488   | .2156403   | .0236551 | .5077360 | .2150256   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.28397 | .5592353 | 2.895091 | 401.8633 | 16.06367 | 2.836044 |
| #2 | 10.16194 | .5615730 | 2.888823 | 401.7218 | 16.16399 | 2.841163 |
| #3 | 10.23229 | .5551001 | 2.901308 | 401.9025 | 16.00229 | 2.848214 |

|        |            |          |          |          |            |            |
|--------|------------|----------|----------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598   | Mn2576   | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | F 16.61140 | 389.7207 | 14.91466 | 413.0997 | F 2.827229 | F 1.523844 |
| Stddev | .04967     | .7979    | .01563   | .6704    | .005816    | .001522    |
| %RSD   | .2990127   | .2047466 | .1047934 | .1622942 | .2057191   | .0998481   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 16.56386 | 390.6389 | 14.92169 | 413.7716 | 2.822828 | 1.524299 |
| #2 | 16.66296 | 389.3276 | 14.89676 | 413.0965 | 2.825036 | 1.522147 |
| #3 | 16.60738 | 389.1955 | 14.92555 | 412.4308 | 2.833823 | 1.525087 |

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | 388.9374 | F 2.142360 | F 12.28814 | 159.8301 | F 5.687532 | F 6.007304 |
| Stddev | .4701    | .020431    | .31565     | .4860    | .047341    | .025258    |
| %RSD   | .1208747 | .9536605   | 2.568775   | .3040497 | .8323711   | .4204467   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 389.4308 | 2.120505 | 12.00989 | 159.4172 | 5.708809 | 6.031607 |
| #2 | 388.8867 | 2.145596 | 12.22338 | 160.3656 | 5.633285 | 6.009115 |
| #3 | 388.4946 | 2.160980 | 12.63115 | 159.7076 | 5.720502 | 5.981189 |

Sample Name: CCV081      Acquired: 1/23/2018 19:18:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV081      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 5.191403 | 6.030206 | 5.156171 | F 5.668418 | 5.412091 | 5.034179 |
| Stddev | .004605  | .026663  | .020720  | .018418    | .028812  | .011889  |
| %RSD   | .0887057 | .4421517 | .4018582 | .3249307   | .5323558 | .2361711 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.190340 | 6.034810 | 5.175554 | 5.681594 | 5.380810 | 5.021088 |
| #2 | 5.187422 | 6.001541 | 5.158628 | 5.647372 | 5.417919 | 5.044306 |
| #3 | 5.196447 | 6.054267 | 5.134332 | 5.676289 | 5.437542 | 5.037141 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.523983 |
| Stddev | .031052  |
| %RSD   | .5621371 |

|    |          |
|----|----------|
| #1 | 5.537198 |
| #2 | 5.546242 |
| #3 | 5.488509 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 843.1361 | 1801.362 | 30133.63 | 7068.059 | 2274.886 |
| Stddev    | 4.4751   | 1.424    | 93.23    | 60.109   | 3.701    |
| %RSD      | .5307669 | .0790676 | .3093986 | .8504367 | .1626793 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 846.6014 | 1799.819 | 30026.36 | 7013.189 | 2273.059 |
| #2 | 844.7232 | 1802.626 | 30179.35 | 7058.683 | 2279.145 |
| #3 | 838.0838 | 1801.641 | 30195.18 | 7132.306 | 2272.454 |

Sample Name: CCB081      Acquired: 1/23/2018 19:22:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB081      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011816 | -.001954 | -.000149 | .0009600 | .0004700 | .0120557 | -.001374 |
| Stddev | .0007265 | .002101  | .001110  | .0024063 | .0004958 | .0114415 | .000292  |
| %RSD   | 61.48248 | 107.5211 | 745.1973 | 250.6691 | 105.4967 | 94.90489 | 21.28911 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012331 | -.004366 | -.001355 | .0004330 | -.000020 | .0249007 | -.001040 |
| #2 | .0018809 | -.000973 | .000831  | .0035861 | .000972  | .0083091 | -.001585 |
| #3 | .0004307 | -.000523 | .000076  | -.001139 | .000458  | .0029572 | -.001497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000674 | .0000124 | .0113700 | .0004804 | -.000199 | -.006295 | .0146808 |
| Stddev | .0000620 | .0000889 | .0044529 | .0004017 | .000134  | .000464  | .0087086 |
| %RSD   | 91.95472 | 718.0458 | 39.16339 | 83.62203 | 67.26961 | 7.375166 | 59.31932 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001049 | .0000536 | .0160790 | .0008735 | -.000075 | -.005958 | .0244822 |
| #2 | -.000004 | -.000090 | .0072275 | .0000706 | -.000341 | -.006102 | .0117267 |
| #3 | .000101  | .000073  | .0108033 | .0004970 | -.000182 | -.006824 | .0078336 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001907 | -.003703 | -.000494 | -.002726 | .3332031 | -.000413 | -.001941 |
| Stddev | .0003537 | .022778  | .000227  | .000154  | .0221455 | .000577  | .001626  |
| %RSD   | 185.4565 | 615.1282 | 45.98754 | 5.638467 | 6.646259 | 139.6931 | 83.76354 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005952 | .021408  | -.000361 | -.002638 | .3210872 | -.000982 | -.000135 |
| #2 | .0000376 | -.023035 | -.000756 | -.002636 | .3197590 | -.000428 | -.003288 |
| #3 | -.000061 | -.009481 | -.000365 | -.002904 | .3587631 | .000171  | -.002400 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.389595 | -.001449 | .0063553 | .0003876 | -.009654 | -.000127 | .0004951 |
| Stddev | .012350  | .000101  | .0002624 | .0001807 | .001806  | .001249  | .0008684 |
| %RSD   | .8887702 | 6.978555 | 4.129372 | 46.61674 | 18.71004 | 980.6313 | 175.3805 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.400594 | -.001545 | .0064560 | .0005883 | -.007816 | .000554  | .0004521 |
| #2 | 1.376234 | -.001458 | .0060574 | .0002380 | -.009721 | -.001569 | .0013843 |
| #3 | 1.391955 | -.001344 | .0065525 | .0003364 | -.011427 | .000633  | -.000351 |

Sample Name: CCB081      Acquired: 1/23/2018 19:22:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v400)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB081      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0007295 | -.002992 | .0003435 |
| Stddev | .0002840 | .000239  | .0001790 |
| %RSD   | 38.93045 | 7.984099 | 52.10603 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009053 | -.002740 | .0005423 |
| #2 | .0008814 | -.003020 | .0002932 |
| #3 | .0004019 | -.003215 | .0001951 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1064.890 | 2271.688 | 36743.57 | 7729.117 | 3620.131 |
| Stddev    | 4.123    | 20.317   | 95.86    | 32.203   | 15.294   |
| %RSD      | .3871869 | .8943689 | .2608862 | .4166461 | .4224701 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1068.391 | 2248.228 | 36725.92 | 7692.553 | 3602.632 |
| #2 | 1065.935 | 2283.534 | 36847.03 | 7753.261 | 3630.943 |
| #3 | 1060.346 | 2283.302 | 36657.76 | 7741.537 | 3626.817 |