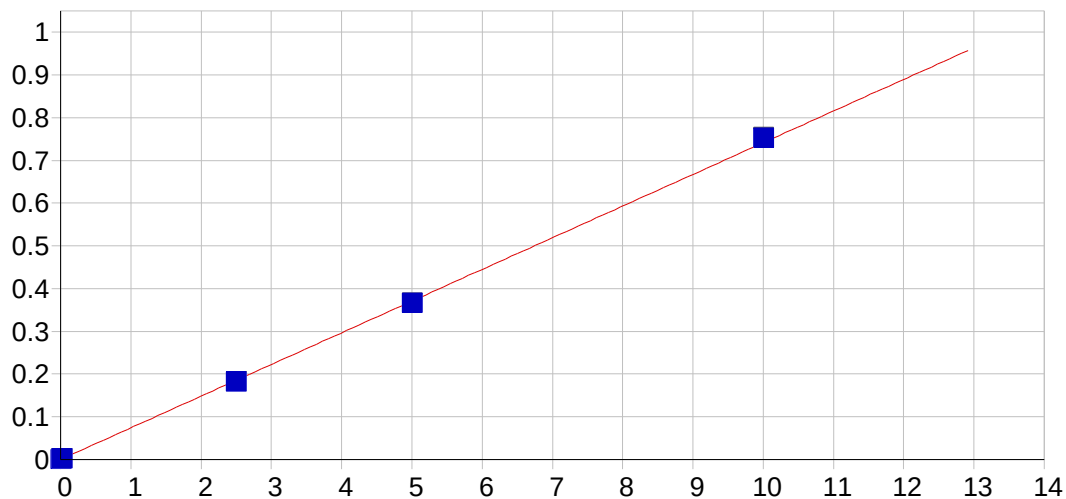




As 189.042 {478}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000166

Re-Slope: 1.000000

A1 (Gain): 0.074134

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999865

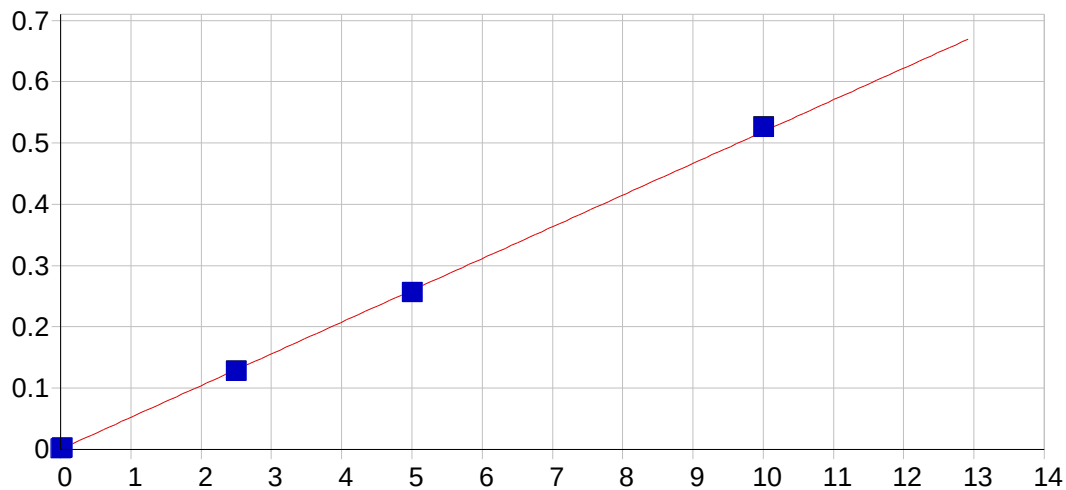
Status: OK.

Std Error of Est: 0.000029

Predicted MDL: 0.002691

Predicted MQL: 0.008971

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00017 | .000    | 1        |
| S1        | .02000       | .02046      | .000       | 2.31    | .00168 | .000    | 1        |
| S3        | 2.5000       | 2.4392      | -.061      | -2.43   | .18098 | .000    | 1        |
| S4        | 5.0000       | 4.9201      | -.080      | -1.60   | .36489 | .001    | 1        |
| S5        | 10.000       | 10.140      | .140       | 1.40    | .75186 | .002    | 1        |



As 189.042 {479}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

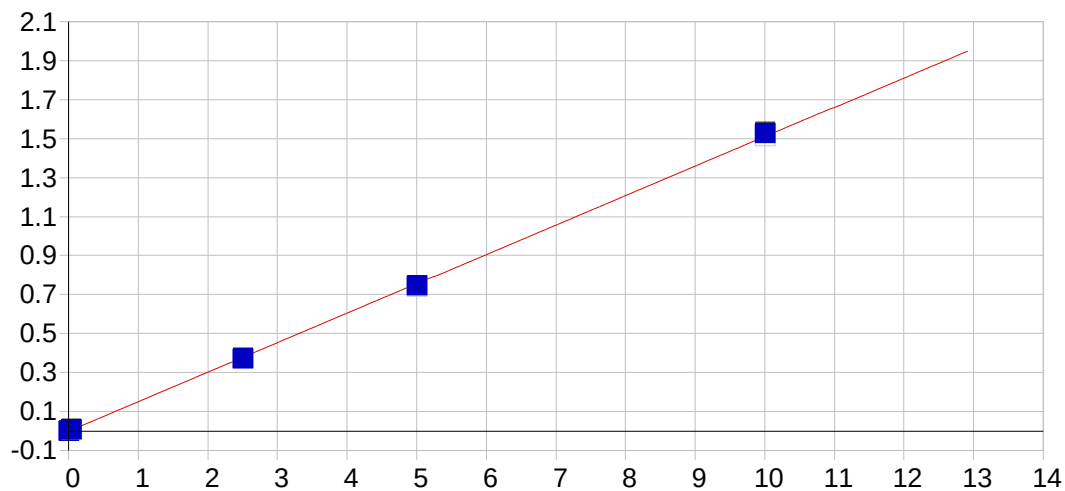
Weighting: 1/Conc

A0 (Offset): 0.000659

Re-Slope: 1.000000

A1 (Gain): 0.051785 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999872 Status: OK.  
 Std Error of Est: 0.000020  
 Predicted MDL: 0.002467  
 Predicted MQL: 0.008222

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00066 | .000    | 1        |
| S1        | .02000       | .02166      | .002       | 8.30    | .00178 | .000    | 1        |
| S3        | 2.5000       | 2.4445      | -.056      | -2.22   | .12725 | .000    | 1        |
| S4        | 5.0000       | 4.9192      | -.081      | -1.62   | .25540 | .001    | 1        |
| S5        | 10.000       | 10.135      | .135       | 1.35    | .52549 | .001    | 1        |

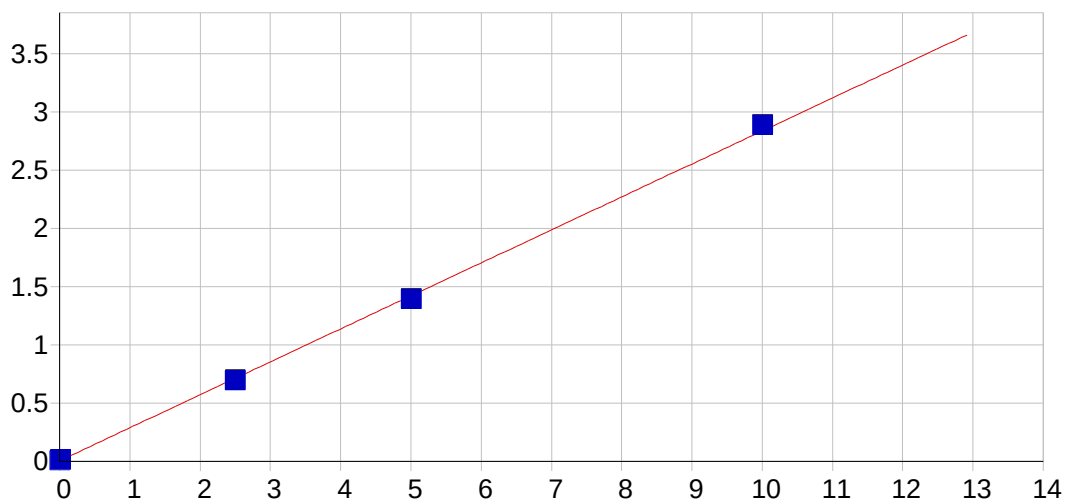


TI 190.856 {477}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000137 Re-Slope: 1.000000  
 A1 (Gain): 0.150978 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999907 Status: OK.  
 Std Error of Est: 0.000070  
 Predicted MDL: 0.001091  
 Predicted MQL: 0.003638

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00014 | .000    | 1        |
| S1        | .04000       | .04403      | .004       | 10.1    | .00635  | .000    | 1        |
| S3        | 2.5000       | 2.4561      | -.044      | -1.76   | .36681  | .003    | 1        |
| S4        | 5.0000       | 4.9332      | -.067      | -1.34   | .73692  | .000    | 1        |
| S5        | 10.000       | 10.107      | .107       | 1.07    | 1.5103  | .008    | 1        |

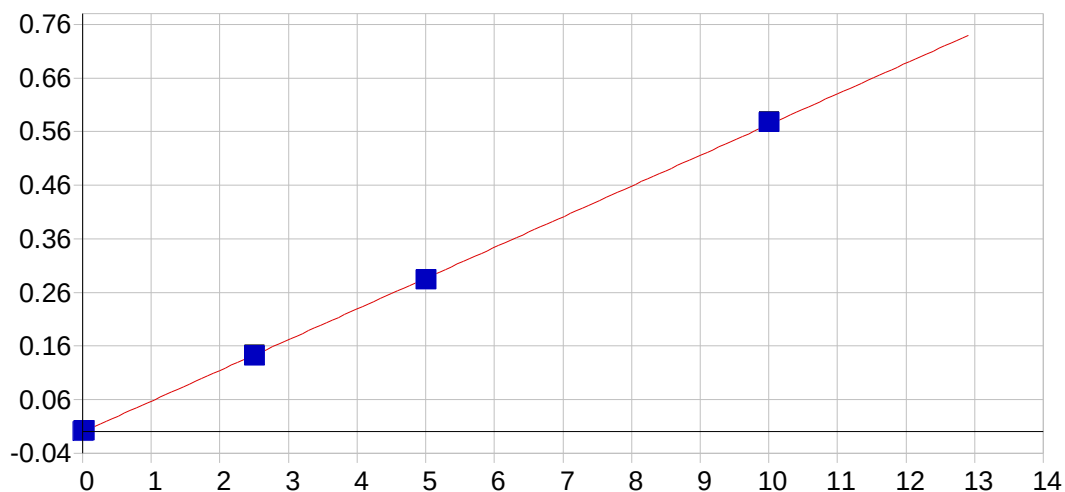


Pb 220.353 {453}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005552 Re-Slope: 1.000000  
 A1 (Gain): 0.282994 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999784 Status: OK.  
 Std Error of Est: 0.000110  
 Predicted MDL: 0.000917  
 Predicted MQL: 0.003055

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00555 | .000    | 1        |
| S1        | .01200       | .01225      | .000       | 2.06    | .00896 | .000    | 1        |
| S3        | 2.5000       | 2.4254      | -.075      | -2.98   | .69105 | .003    | 1        |
| S4        | 5.0000       | 4.8965      | -.104      | -2.07   | 1.3895 | .002    | 1        |
| S5        | 10.000       | 10.178      | .178       | 1.78    | 2.8823 | .003    | 1        |



Se 196.090 {472}

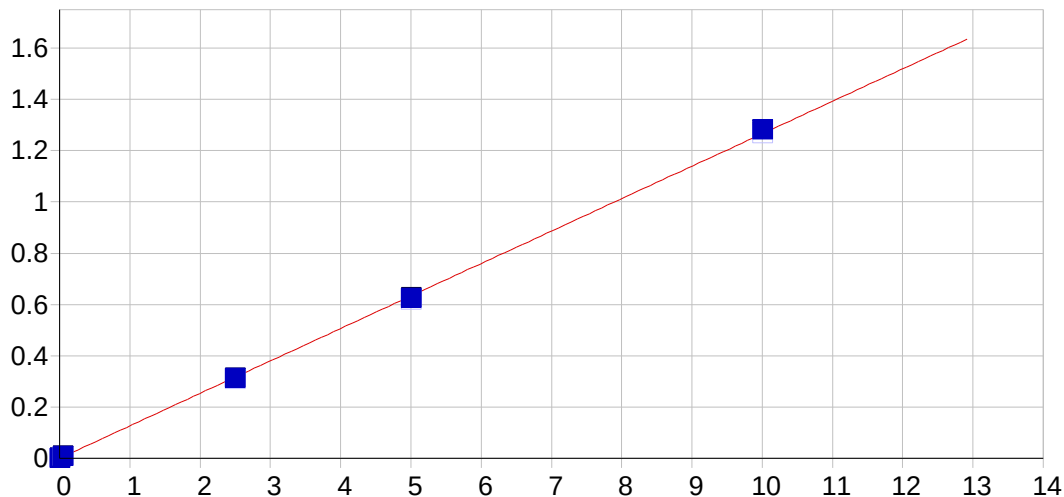
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000008 Re-Slope: 1.000000  
 A1 (Gain): 0.057293 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999922  
 Std Error of Est: 0.000017  
 Predicted MDL: 0.003255  
 Predicted MQL: 0.010849

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00001 | .000    | 1        |
| S1        | .02000       | .02458      | .005       | 22.9    | .00140  | .000    | 1        |
| S3        | 2.5000       | 2.4707      | -.029      | -1.17   | .14147  | .001    | 1        |
| S4        | 5.0000       | 4.9426      | -.057      | -1.15   | .28302  | .000    | 1        |
| S5        | 10.000       | 10.082      | .082       | .821    | .57732  | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

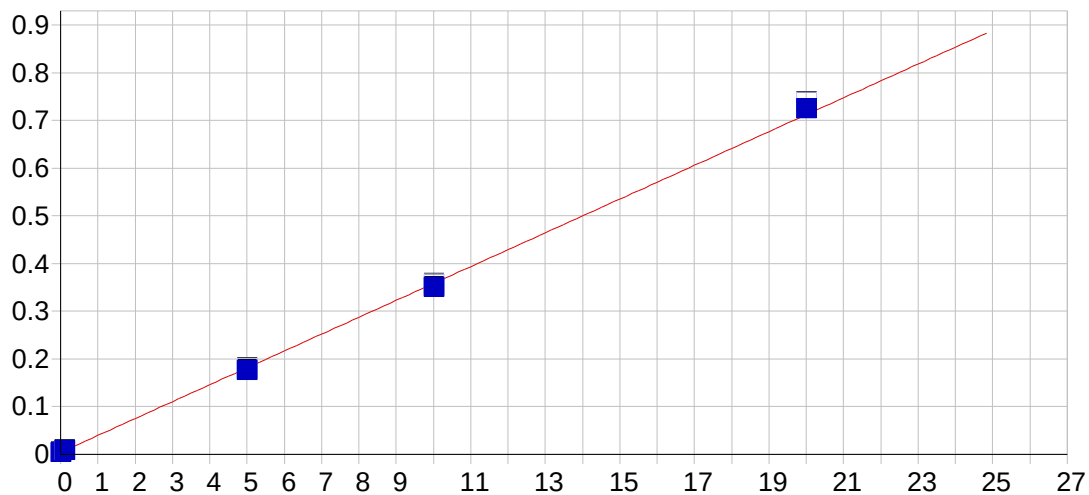
A0 (Offset): 0.000259  
 A1 (Gain): 0.126582  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999915  
 Std Error of Est: 0.000062  
 Predicted MDL: 0.001825  
 Predicted MQL: 0.006082

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00026 | .000    | 1        |
| S1        | .05000       | .05222      | .002       | 4.44    | .00671 | .000    | 1        |
| S3        | 2.5000       | 2.4552      | -.045      | -1.79   | .30748 | .002    | 1        |
| S4        | 5.0000       | 4.9347      | -.065      | -1.31   | .61779 | .001    | 1        |
| S5        | 10.000       | 10.108      | .108       | 1.08    | 1.2655 | .002    | 1        |



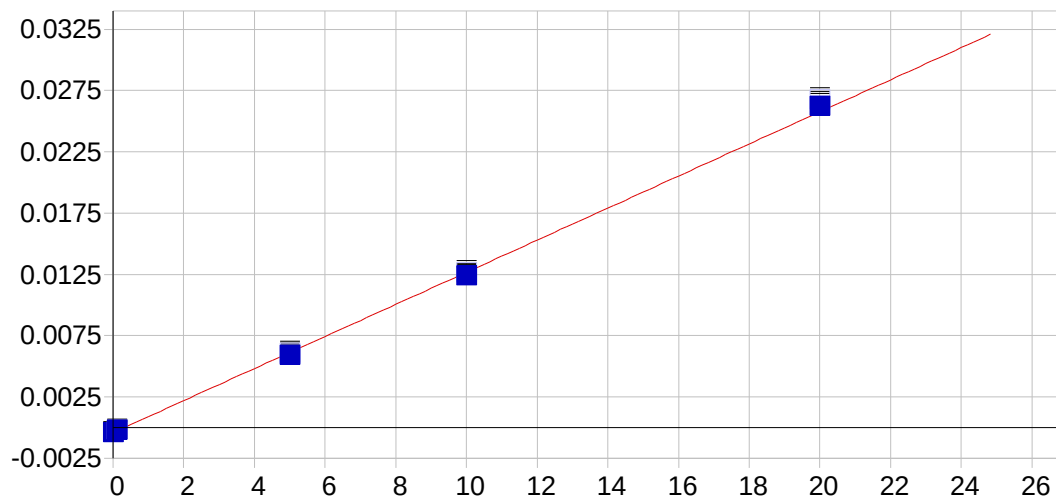


AI 308.215 {109}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004405 Re-Slope: 1.000000  
 A1 (Gain): 0.035396 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999774 Status: OK.  
 Std Error of Est: 0.000059  
 Predicted MDL: 0.003454  
 Predicted MQL: 0.011513

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00440 | .000    | 1        |
| S1        | .10000       | .11362      | .014       | 13.6    | .00867 | .000    | 1        |
| S3        | 5.0000       | 4.8606      | -.139      | -2.79   | .17997 | .001    | 1        |
| S4        | 10.000       | 9.7802      | -.220      | -2.20   | .35763 | .001    | 1        |
| S5        | 20.000       | 20.345      | .345       | 1.72    | .73862 | .001    | 1        |



AI 309.271 {109}

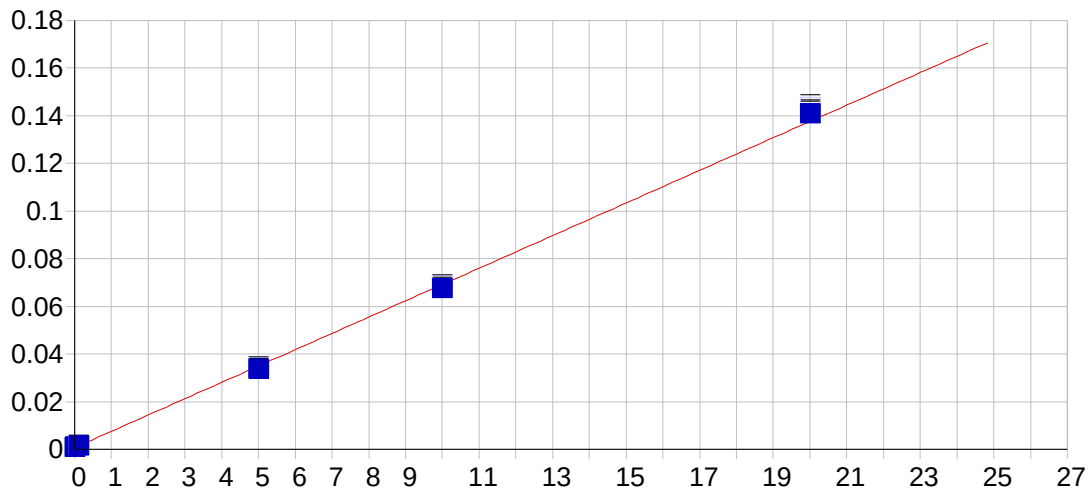
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000410 Re-Slope: 1.000000  
 A1 (Gain): 0.001309 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999448  
 Std Error of Est: 0.000003  
 Predicted MDL: 0.047187  
 Predicted MQL: 0.157290

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00004     | -.000      | .000    | -.00041 | .000    | 1        |
| S1        | .10000       | .14828      | .048       | 48.3    | -.00021 | .000    | 1        |
| S3        | 5.0000       | 4.8333      | -.167      | -3.33   | .00605  | .000    | 1        |
| S4        | 10.000       | 9.7678      | -.232      | -2.32   | .01264  | .000    | 1        |
| S5        | 20.000       | 20.348      | .348       | 1.74    | .02675  | .000    | 1        |

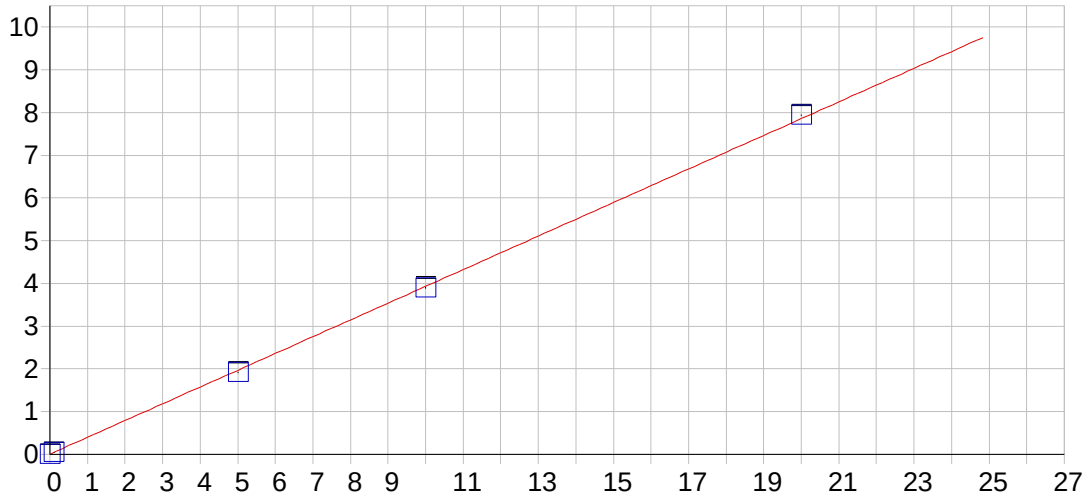


AI 396.152 { 85}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000732 Re-Slope: 1.000000  
 A1 (Gain): 0.006844 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999663 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.016425  
 Predicted MQL: 0.054751

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00073 | .000    | 1        |
| S1        | .10000       | .10509      | .005       | 5.09    | .00150 | .000    | 1        |
| S3        | 5.0000       | 4.8116      | -.188      | -3.77   | .03435 | .000    | 1        |
| S4        | 10.000       | 9.7332      | -.267      | -2.67   | .06871 | .000    | 1        |
| S5        | 20.000       | 20.450      | .450       | 2.25    | .14343 | .001    | 1        |

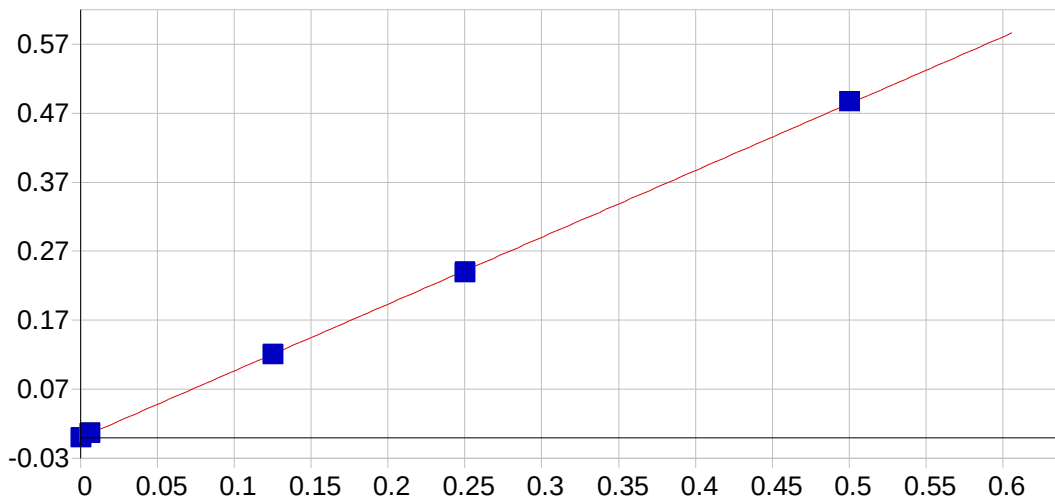


Ba 493.409 { 68}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007000 Re-Slope: 1.000000  
 A1 (Gain): 0.392534 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999893 Status: OK.  
 Std Error of Est: 0.000438  
 Predicted MDL: 0.001134  
 Predicted MQL: 0.003781

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00700 | .000    | 1        |
| S1        | .10000       | .10960      | .010       | 9.60    | .05002 | .000    | 1        |
| S3        | 5.0000       | 4.8637      | -.136      | -2.73   | 1.9162 | .013    | 1        |
| S5        | 20.000       | 20.208      | .208       | 1.04    | 7.9395 | .009    | 1        |
| S4        | 10.000       | 9.9182      | -.082      | -.818   | 3.9002 | .020    | 1        |



Be 234.861 {144}

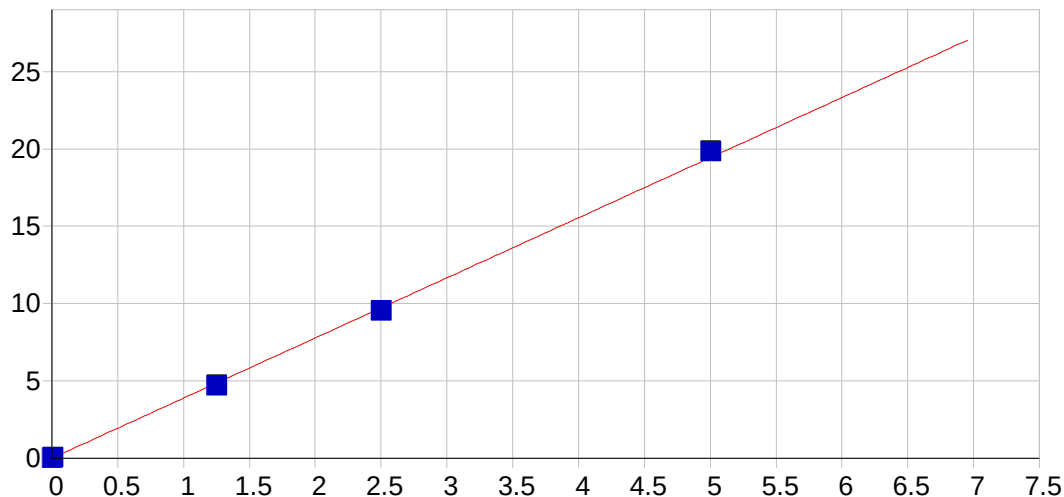
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000121 Re-Slope: 1.000000  
 A1 (Gain): 0.967696 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999935  
 Std Error of Est: 0.000033  
 Predicted MDL: 0.000076  
 Predicted MQL: 0.000252

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00012 | .000    | 1        |
| S1        | .00600       | .00665      | .001       | 10.8    | .00625  | .000    | 1        |
| S3        | .12500       | .12445      | -.001      | -.440   | .11955  | .000    | 1        |
| S4        | .25000       | .24735      | -.003      | -1.06   | .23772  | .001    | 1        |
| S5        | .50000       | .50256      | .003       | .511    | .48316  | .000    | 1        |



Cd 226.502 {449}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

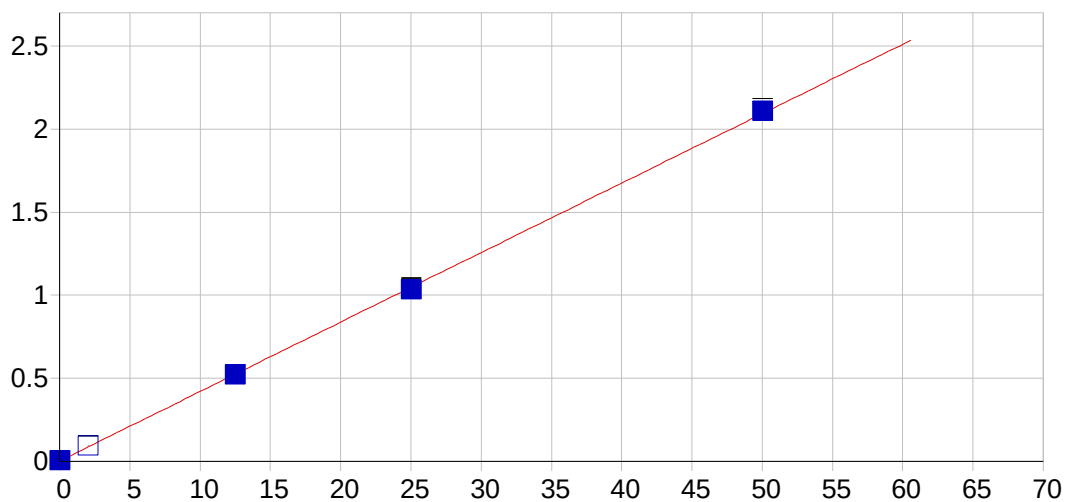
Weighting: 1/Conc

A0 (Offset): 0.003311  
 A1 (Gain): 3.886348  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999716  
 Std Error of Est: 0.000867  
 Predicted MDL: 0.000076  
 Predicted MQL: 0.000252

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00331 | .000    | 1        |
| S1        | .00600       | .00609      | .000       | 1.56    | .02704 | .000    | 1        |
| S3        | 1.2500       | 1.2028      | -.047      | -3.78   | 4.6788 | .021    | 1        |
| S4        | 2.5000       | 2.4463      | -.054      | -2.15   | 9.5126 | .010    | 1        |
| S5        | 5.0000       | 5.1009      | .101       | 2.02    | 19.832 | .007    | 1        |

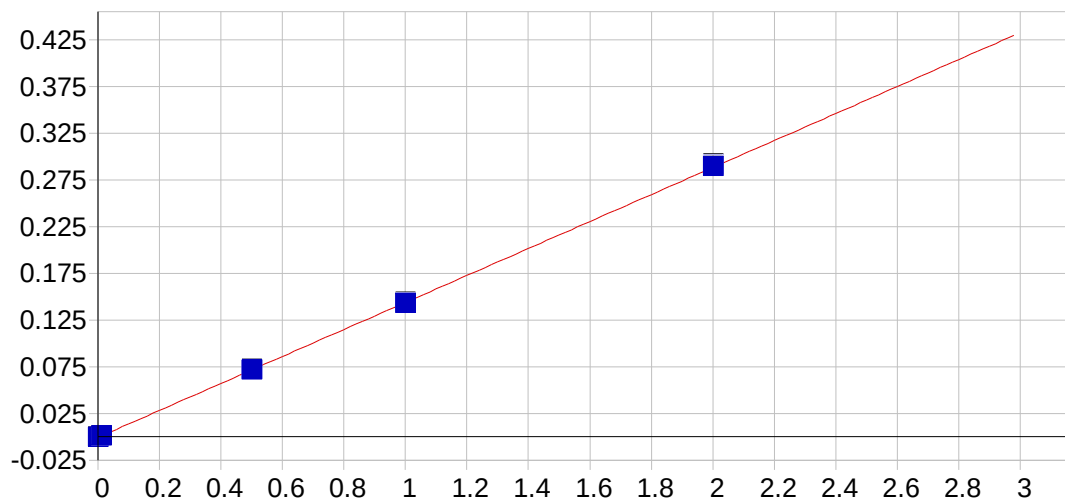


Ca 373.690 { 90}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002361 Re-Slope: 1.000000  
 A1 (Gain): 0.041807 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999885 Status: OK.  
 Std Error of Est: 0.000346  
 Predicted MDL: 0.023755  
 Predicted MQL: 0.079184

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1535      | .154       | 7.68    | .09239 | .001    | 1        |
| S0        | .00000       | -.00012     | -.000      | .000    | .00236 | .001    | 1        |
| S3        | 12.500       | 12.394      | -.106      | -.844   | .52081 | .001    | 1        |
| S4        | 25.000       | 24.623      | -.377      | -1.51   | 1.0323 | .010    | 1        |
| S5        | 50.000       | 50.329      | .329       | .658    | 2.1076 | .016    | 1        |



Cr 267.716 {126}

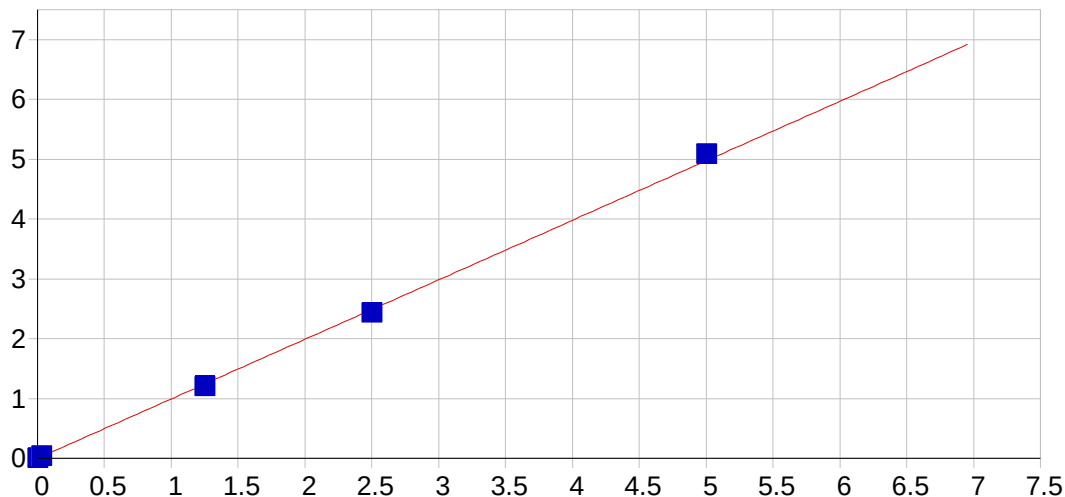
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000575 Re-Slope: 1.000000  
 A1 (Gain): 0.144402 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999967  
 Std Error of Est: 0.000009  
 Predicted MDL: 0.000633  
 Predicted MQL: 0.002110

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00058 | .000    | 1        |
| S1        | .01000       | .01120      | .001       | 12.0    | .00105  | .000    | 1        |
| S3        | .50000       | .50103      | .001       | .206    | .07234  | .000    | 1        |
| S4        | 1.0000       | .99159      | -.008      | -.841   | .14375  | .000    | 1        |
| S5        | 2.0000       | 2.0062      | .006       | .309    | .29139  | .000    | 1        |



Co 228.616 {447}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

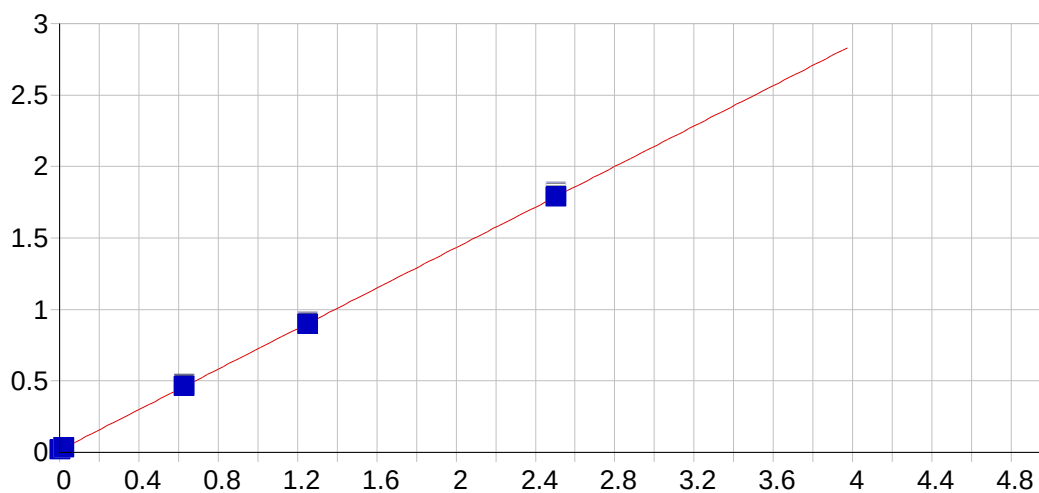
Weighting: 1/Conc

A0 (Offset): 0.000191  
 A1 (Gain): 0.994782  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999701  
 Std Error of Est: 0.000510  
 Predicted MDL: 0.000245  
 Predicted MQL: 0.000816

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00019 | .000    | 1        |
| S1        | .03000       | .03033      | .000       | 1.10    | .03016 | .000    | 1        |
| S3        | 1.2500       | 1.2056      | -.044      | -3.55   | 1.2004 | .006    | 1        |
| S4        | 2.5000       | 2.4392      | -.061      | -2.43   | 2.4286 | .002    | 1        |
| S5        | 5.0000       | 5.1049      | .105       | 2.10    | 5.0823 | .002    | 1        |

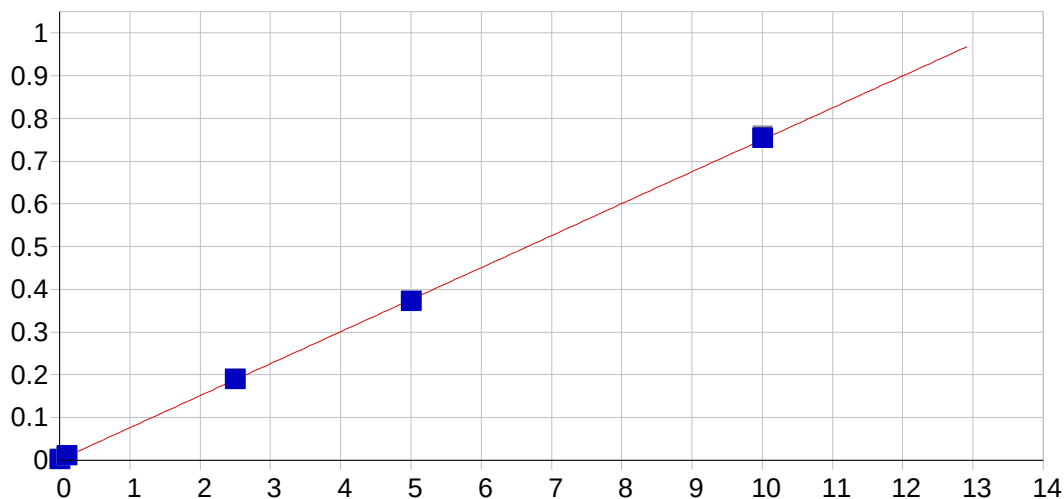


Cu 224.700 {450}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.015816 Re-Slope: 1.000000  
 A1 (Gain): 0.708460 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999945 Status: OK.  
 Std Error of Est: 0.000091  
 Predicted MDL: 0.000414  
 Predicted MQL: 0.001381

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .01581 | .001    | 1        |
| S1        | .02000       | .02259      | .003       | 13.0    | .03204 | .000    | 1        |
| S3        | .62500       | .63178      | .007       | 1.09    | .47057 | .002    | 1        |
| S4        | 1.2500       | 1.2395      | -.011      | -.842   | .90825 | .002    | 1        |
| S5        | 2.5000       | 2.5012      | .001       | .046    | 1.8164 | .003    | 1        |



Fe 240.488 {140}

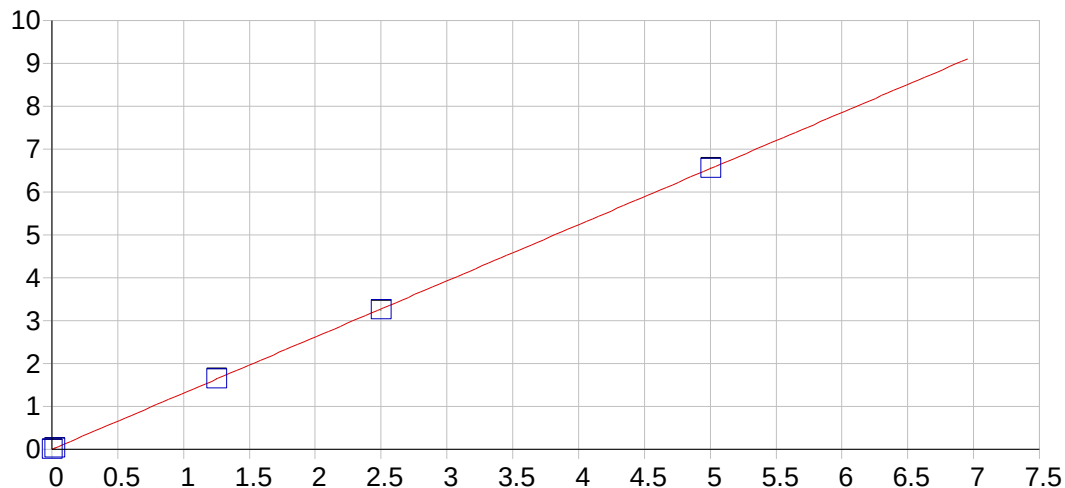
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001616 Re-Slope: 1.000000  
 A1 (Gain): 0.074854 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999947  
 Std Error of Est: 0.000042  
 Predicted MDL: 0.000970  
 Predicted MQL: 0.003235

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00161 | .000    | 1        |
| S1        | .10000       | .10894      | .009       | 8.94    | .00981 | .000    | 1        |
| S3        | 2.5000       | 2.5034      | .003       | .138    | .18971 | .001    | 1        |
| S4        | 5.0000       | 4.9364      | -.064      | -1.27   | .37252 | .001    | 1        |
| S5        | 10.000       | 10.051      | .051       | .512    | .75679 | .001    | 1        |



Mn 257.610 {131}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

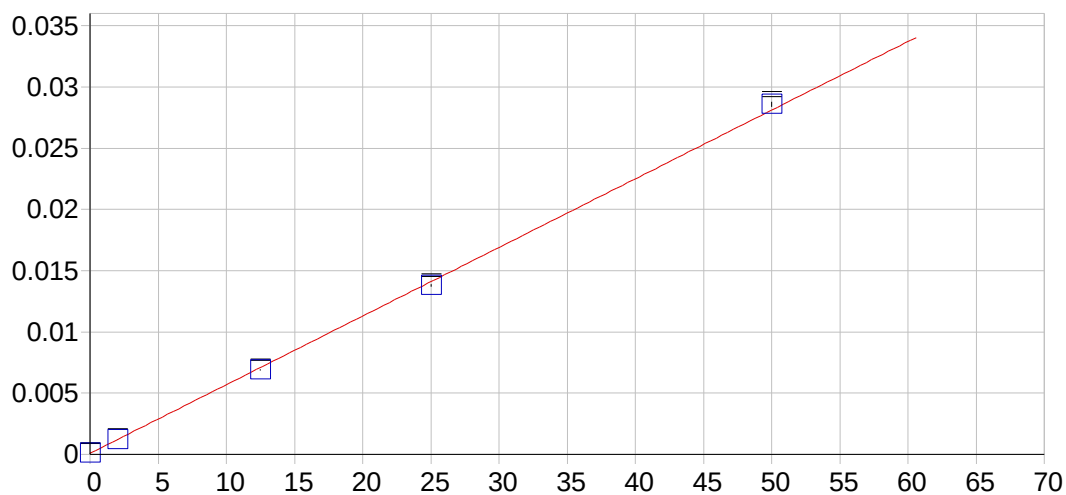
A0 (Offset): 0.001595  
 A1 (Gain): 1.308690  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999962  
 Std Error of Est: 0.000194  
 Predicted MDL: 0.000070  
 Predicted MQL: 0.000234

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00159 | .000    | 1        |
| S1        | .02000       | .02314      | .003       | 15.7    | .03187 | .000    | 1        |
| S3        | 1.2500       | 1.2554      | .005       | .436    | 1.6446 | .005    | 1        |
| S4        | 2.5000       | 2.4822      | -.018      | -.714   | 3.2500 | .007    | 1        |
| S5        | 5.0000       | 5.0093      | .009       | .185    | 6.5572 | .006    | 1        |



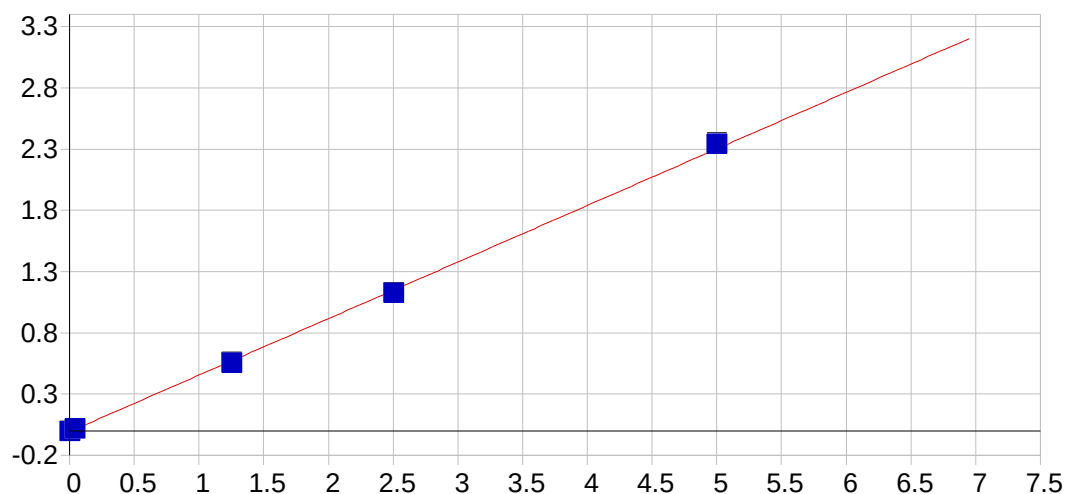


Mg 279.079 {121}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000088 Re-Slope: 1.000000  
 A1 (Gain): 0.000560 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999797 Status: OK.  
 Std Error of Est: 0.000006  
 Predicted MDL: 0.062242  
 Predicted MQL: 0.207474

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0188      | .019       | .940    | .00122 | .000    | 1        |
| S0        | .00000       | .00005      | .000       | .000    | .00009 | .000    | 1        |
| S3        | 12.500       | 12.154      | -.346      | -2.77   | .00690 | .000    | 1        |
| S4        | 25.000       | 24.461      | -.539      | -2.16   | .01379 | .000    | 1        |
| S5        | 50.000       | 50.867      | .867       | 1.73    | .02859 | .000    | 1        |



Ni 231.604 {445}

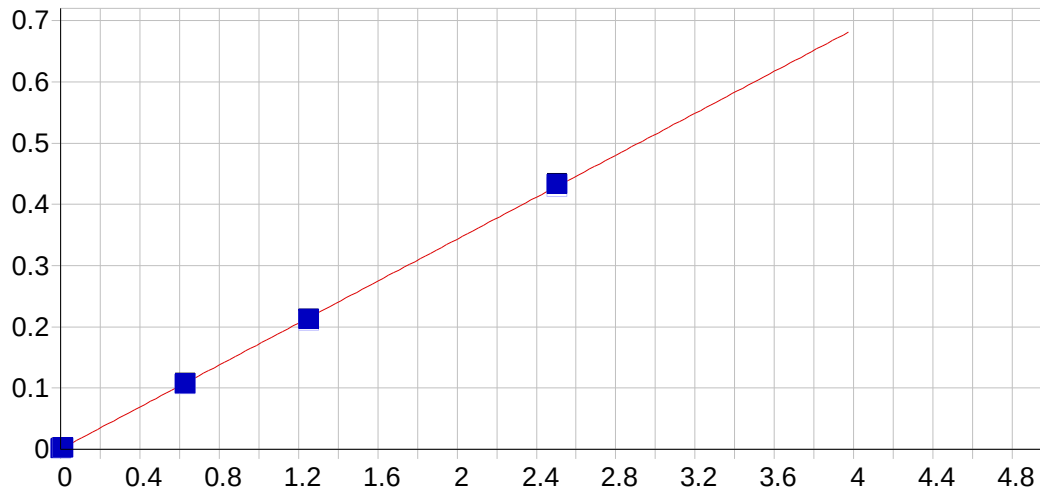
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007220 Re-Slope: 1.000000  
 A1 (Gain): 0.461751 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999794  
 Std Error of Est: 0.000227  
 Predicted MDL: 0.000503  
 Predicted MQL: 0.001676

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00722 | .000    | 1        |
| S1        | .04000       | .04087      | .001       | 2.19    | .01166  | .000    | 1        |
| S3        | 1.2500       | 1.2157      | -.034      | -2.74   | .55476  | .002    | 1        |
| S4        | 2.5000       | 2.4464      | -.054      | -2.14   | 1.1237  | .002    | 1        |
| S5        | 5.0000       | 5.0870      | .087       | 1.74    | 2.3442  | .003    | 1        |



Ag 328.068 {103}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

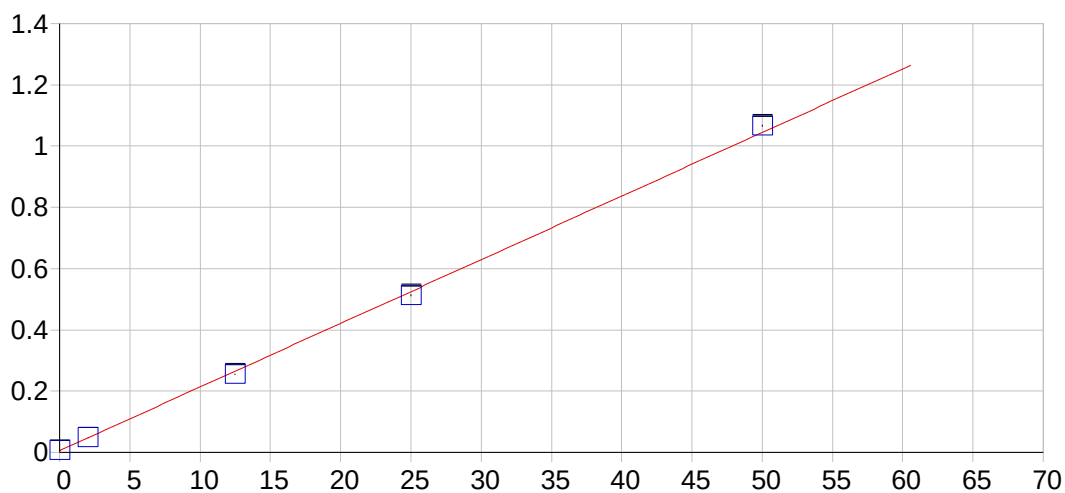
Weighting: 1/Conc

A0 (Offset): 0.000586  
 A1 (Gain): 0.171266  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999952  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.000812  
 Predicted MQL: 0.002706

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00059 | .000    | 1        |
| S1        | .01000       | .01046      | .000       | 4.57    | .00234 | .000    | 1        |
| S3        | .62500       | .62128      | -.004      | -.596   | .10578 | .000    | 1        |
| S4        | 1.2500       | 1.2336      | -.016      | -1.31   | .20943 | .001    | 1        |
| S5        | 2.5000       | 2.5197      | .020       | .787    | .42726 | .001    | 1        |

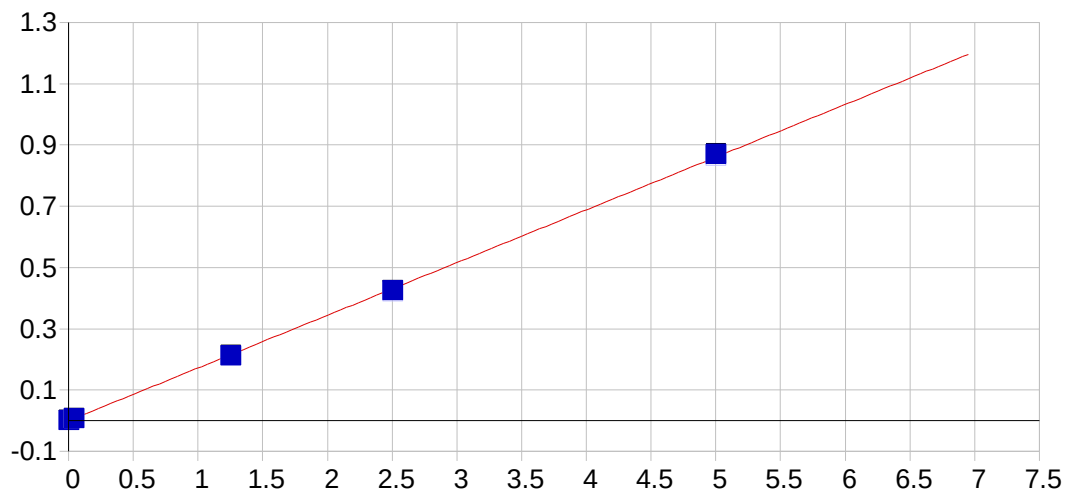


Na 589.592 { 57}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005695 Re-Slope: 1.000000  
 A1 (Gain): 0.020778 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999659 Status: OK.  
 Std Error of Est: 0.000296  
 Predicted MDL: 0.014496  
 Predicted MQL: 0.048321

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0688      | .069       | 3.44    | .04868 | .000    | 1        |
| S0        | .00000       | .00002      | .000       | .000    | .00570 | .000    | 1        |
| S3        | 12.500       | 11.985      | -.515      | -4.12   | .25472 | .002    | 1        |
| S4        | 25.000       | 24.388      | -.612      | -2.45   | .51242 | .003    | 1        |
| S5        | 50.000       | 51.058      | 1.06       | 2.12    | 1.0666 | .004    | 1        |



V 292.402 {115}

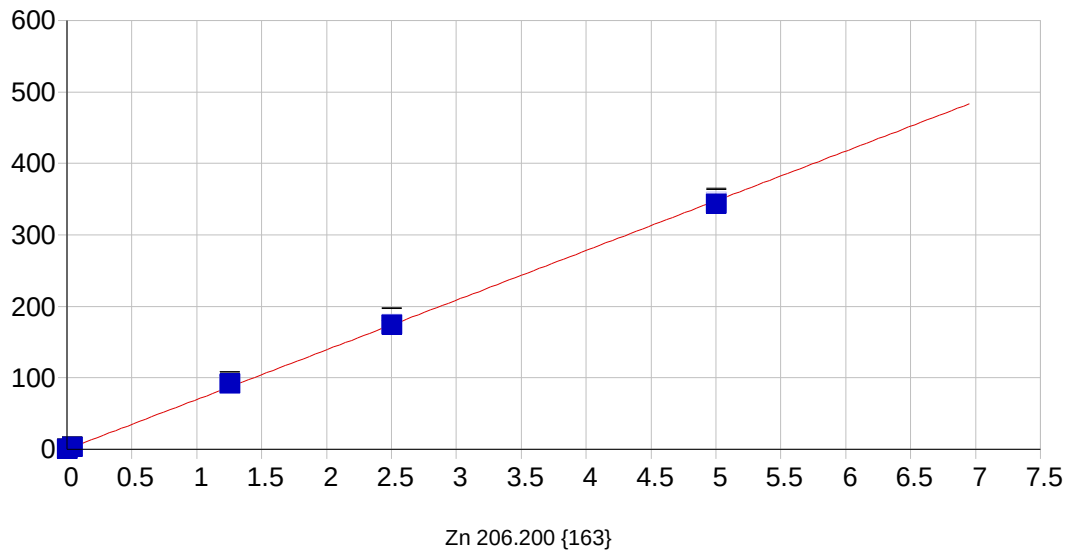
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000018 Re-Slope: 1.000000  
 A1 (Gain): 0.172077 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999917  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.000587  
 Predicted MQL: 0.001958

Status: OK.

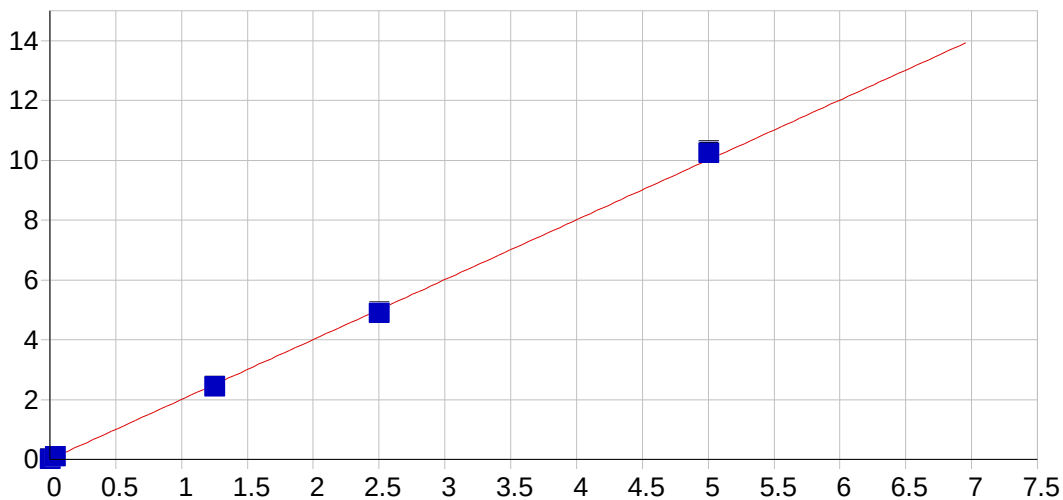
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00002 | .000    | 1        |
| S1        | .04000       | .04229      | .002       | 5.73    | .00715  | .000    | 1        |
| S3        | 1.2500       | 1.2325      | -.018      | -1.40   | .21066  | .001    | 1        |
| S4        | 2.5000       | 2.4635      | -.036      | -1.46   | .42108  | .000    | 1        |
| S5        | 5.0000       | 5.0518      | .052       | 1.04    | .86365  | .002    | 1        |



Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.162196 Re-Slope: 1.000000  
 A1 (Gain): 69.510434 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999797 Status: OK.  
 Std Error of Est: 0.034118  
 Predicted MDL: 0.000442  
 Predicted MQL: 0.001474

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .16196 | .061    | 1        |
| S1        | .04000       | .04198      | .002       | 4.95    | 3.0984 | .137    | 1        |
| S3        | 1.2500       | 1.3087      | .059       | 4.69    | 91.654 | 2.81    | 1        |
| S4        | 2.5000       | 2.5012      | .001       | .048    | 175.07 | 8.55    | 1        |
| S5        | 5.0000       | 4.9381      | -.062      | -1.24   | 345.52 | 5.64    | 1        |

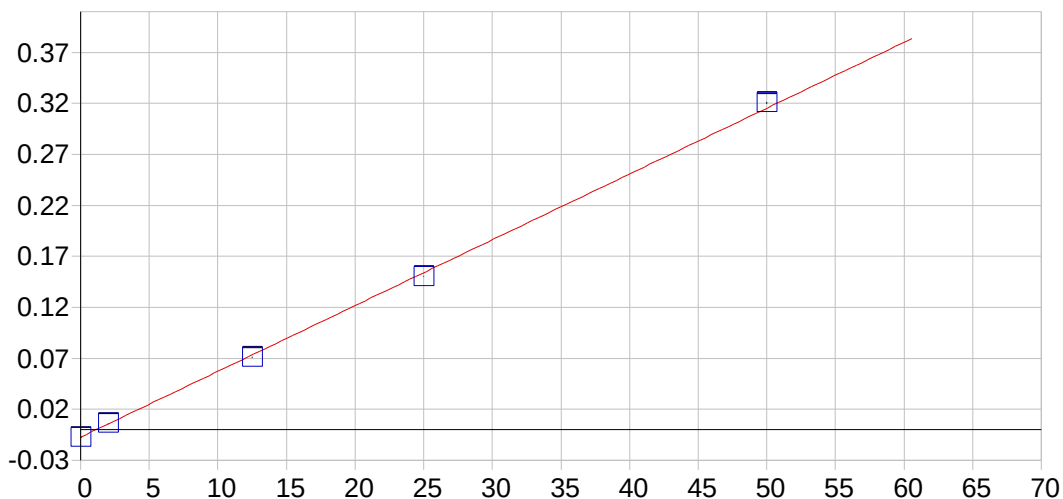


Zn 213.856 {458}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001939 Re-Slope: 1.000000  
 A1 (Gain): 2.002031 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999675 Status: OK.  
 Std Error of Est: 0.001243  
 Predicted MDL: 0.000104  
 Predicted MQL: 0.000346

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00194 | .000    | 1        |
| S1        | .04000       | .03977      | -.000      | -.568   | .08212 | .000    | 1        |
| S3        | 1.2500       | 1.2056      | -.044      | -3.55   | 2.4316 | .012    | 1        |
| S4        | 2.5000       | 2.4338      | -.066      | -2.65   | 4.9064 | .007    | 1        |
| S5        | 5.0000       | 5.1108      | .111       | 2.22    | 10.298 | .011    | 1        |



K 766.490 {44}

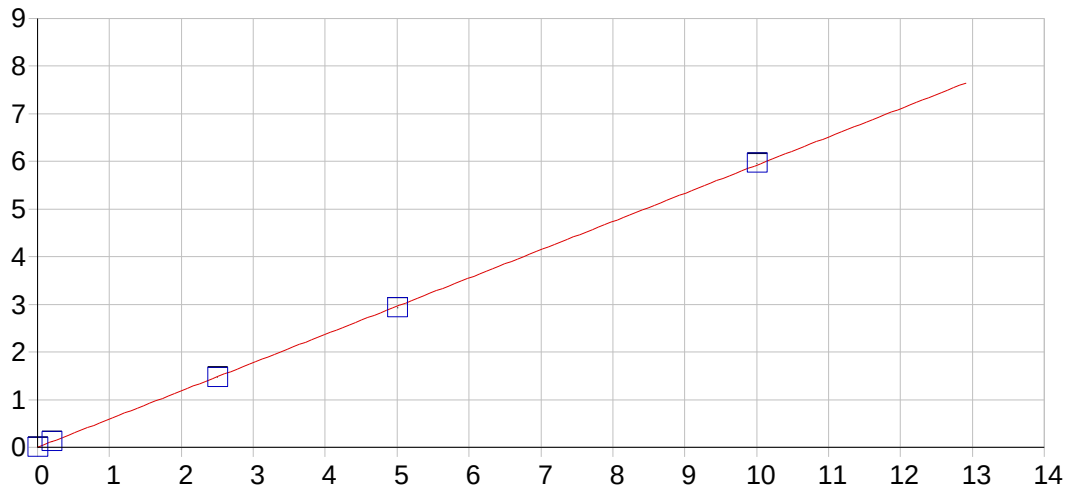
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.007285 Re-Slope: 1.000000  
 A1 (Gain): 0.006452 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999780  
 Std Error of Est: 0.000074  
 Predicted MDL: 0.050816  
 Predicted MQL: 0.169386

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.0748      | .075       | 3.74    | .00610  | .000    | 1        |
| S0        | .00000       | -.00001     | -.000      | .000    | -.00729 | .000    | 1        |
| S3        | 12.500       | 12.147      | -.353      | -2.83   | .07109  | .001    | 1        |
| S4        | 25.000       | 24.440      | -.560      | -2.24   | .15040  | .000    | 1        |
| S5        | 50.000       | 50.838      | .838       | 1.68    | .32072  | .001    | 1        |



Mo 202.030 {467}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

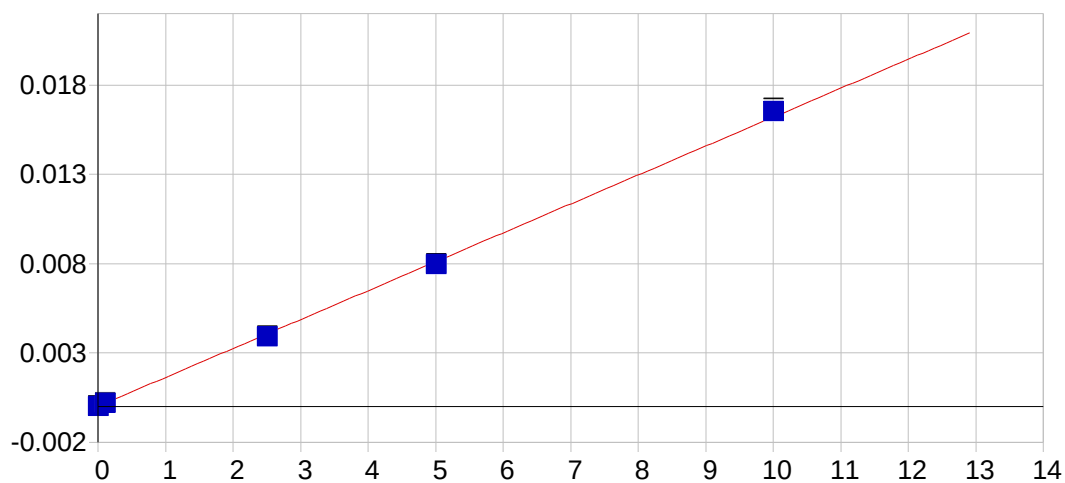
Weighting: 1/Conc

A0 (Offset): 0.000362  
 A1 (Gain): 0.592235  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999943  
 Std Error of Est: 0.000487  
 Predicted MDL: 0.000312  
 Predicted MQL: 0.001040

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00036 | .000    | 1        |
| S1        | .20000       | .21288      | .013       | 6.44    | .12644 | .000    | 1        |
| S3        | 2.5000       | 2.4800      | -.020      | -.799   | 1.4691 | .007    | 1        |
| S4        | 5.0000       | 4.9437      | -.056      | -1.13   | 2.9282 | .004    | 1        |
| S5        | 10.000       | 10.063      | .063       | .634    | 5.9603 | .009    | 1        |

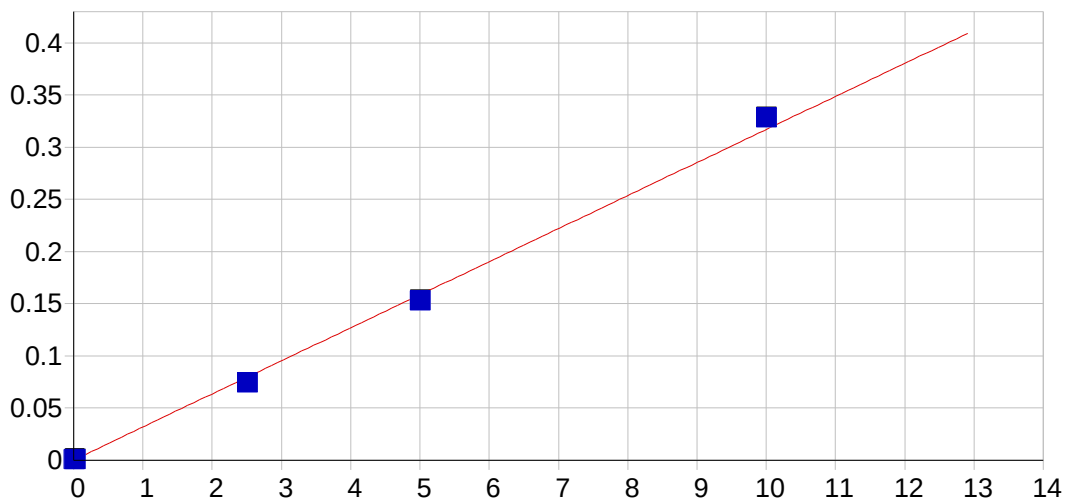


B 249.678 {135}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000016 Re-Slope: 1.000000  
 A1 (Gain): 0.001619 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999699 Status: OK.  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.016605  
 Predicted MQL: 0.055352

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00002 | .000    | 1        |
| S1        | .10000       | .10764      | .008       | 7.64    | .00019 | .000    | 1        |
| S3        | 2.5000       | 2.3965      | -.104      | -4.14   | .00389 | .000    | 1        |
| S4        | 5.0000       | 4.9021      | -.098      | -1.96   | .00793 | .000    | 1        |
| S5        | 10.000       | 10.194      | .194       | 1.94    | .01648 | .000    | 1        |



S 182.034 {485}

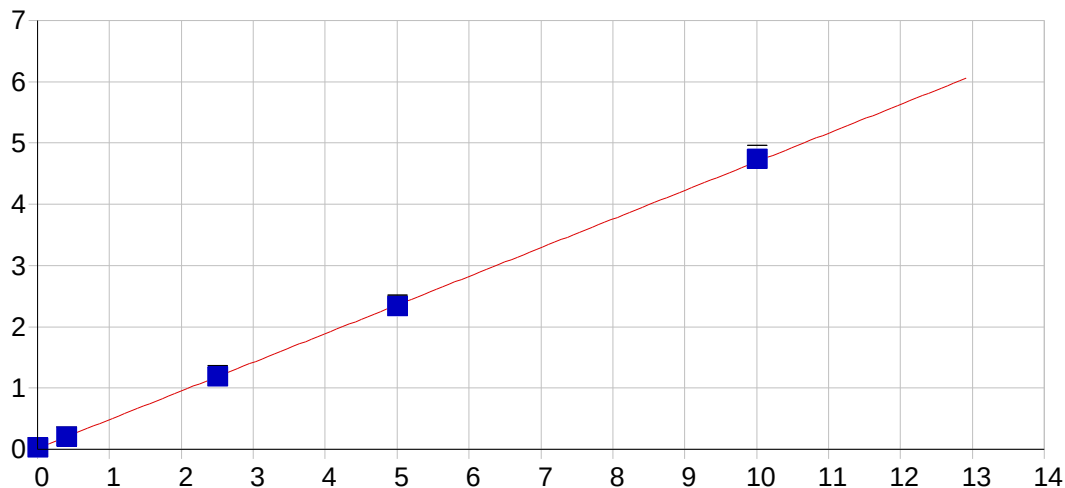
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000327 Re-Slope: 1.000000  
 A1 (Gain): 0.031675 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999098  
 Std Error of Est: 0.000032  
 Predicted MDL: 0.003521  
 Predicted MQL: 0.011737

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00033 | .000    | 1        |
| S1        | .02000       | .01857      | -.001      | -7.13   | .00090 | .000    | 1        |
| S3        | 2.5000       | 2.3249      | -.175      | -7.00   | .07388 | .000    | 1        |
| S4        | 5.0000       | 4.8199      | -.180      | -3.60   | .15282 | .000    | 1        |
| S5        | 10.000       | 10.357      | .357       | 3.57    | .32801 | .000    | 1        |



Si 288.158 {117}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

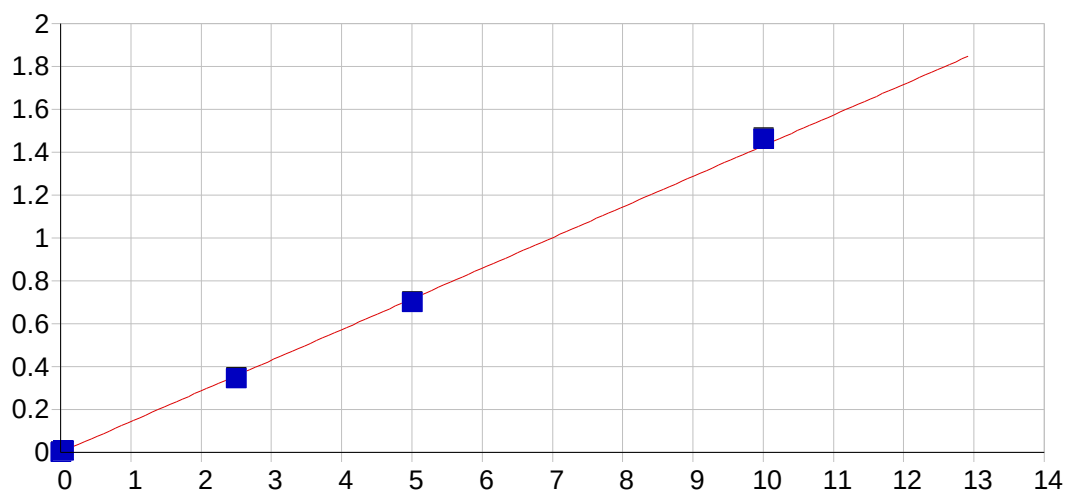
A0 (Offset): 0.016938  
 A1 (Gain): 0.467690  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999949  
 Std Error of Est: 0.000516  
 Predicted MDL: 0.002829  
 Predicted MQL: 0.009429

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .01694 | .001    | 1        |
| S1        | .40000       | .38839      | -.012      | -2.90   | .19843 | .001    | 1        |
| S3        | 2.5000       | 2.4953      | -.005      | -.187   | 1.1834 | .016    | 1        |
| S4        | 5.0000       | 4.9356      | -.064      | -1.29   | 2.3240 | .026    | 1        |
| S5        | 10.000       | 10.081      | .081       | .806    | 4.7291 | .065    | 1        |



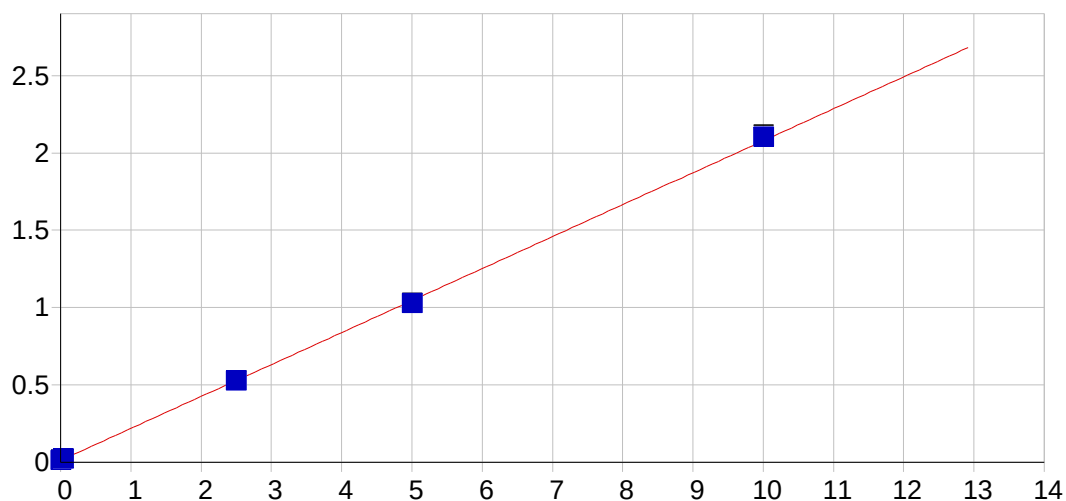


Sn 189.989 {477}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000713 Re-Slope: 1.000000  
 A1 (Gain): 0.142976 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999694 Status: OK.  
 Std Error of Est: 0.000121  
 Predicted MDL: 0.000801  
 Predicted MQL: 0.002669

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00071 | .000    | 1        |
| S1        | .04000       | .03831      | -.002      | -4.23   | .00619 | .000    | 1        |
| S3        | 2.5000       | 2.4058      | -.094      | -3.77   | .34474 | .002    | 1        |
| S4        | 5.0000       | 4.8848      | -.115      | -2.30   | .69925 | .001    | 1        |
| S5        | 10.000       | 10.211      | .211       | 2.11    | 1.4609 | .003    | 1        |



Ti 336.121 {100}

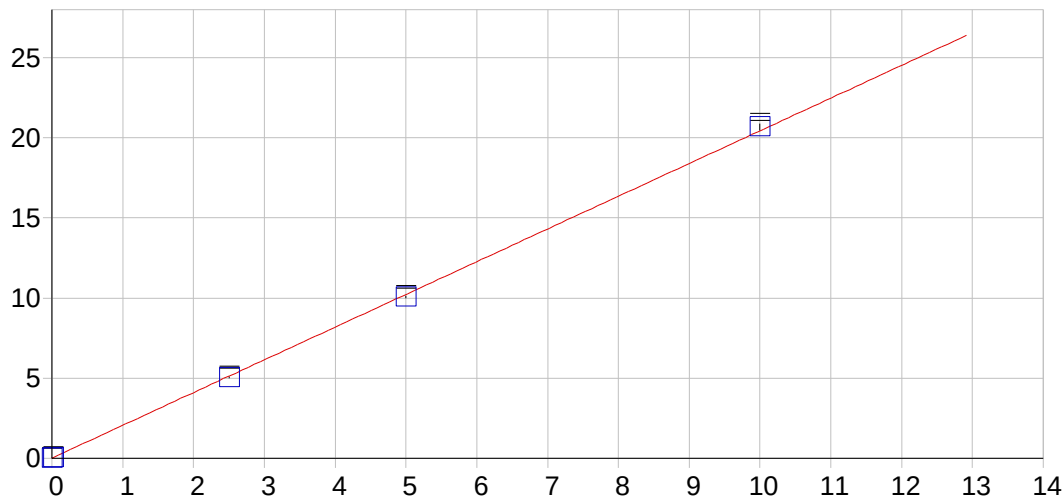
Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.012163 Re-Slope: 1.000000  
 A1 (Gain): 0.206640 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999890  
 Std Error of Est: 0.000105  
 Predicted MDL: 0.003203  
 Predicted MQL: 0.010678

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .01216 | .001    | 1        |
| S1        | .04000       | .04545      | .005       | 13.6    | .02155 | .001    | 1        |
| S3        | 2.5000       | 2.4811      | -.019      | -.755   | .52479 | .002    | 1        |
| S4        | 5.0000       | 4.9052      | -.095      | -1.90   | 1.0256 | .001    | 1        |
| S5        | 10.000       | 10.108      | .108       | 1.08    | 2.1007 | .014    | 1        |



Li 670.784 { 50}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

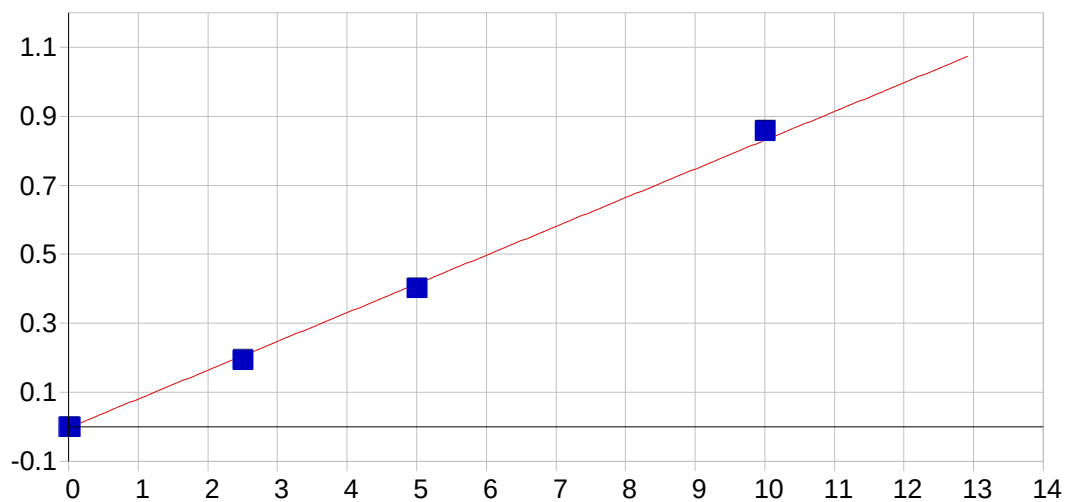
Weighting: 1/Conc

A0 (Offset): 0.018552  
 A1 (Gain): 2.042152  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999903  
 Std Error of Est: 0.000686  
 Predicted MDL: 0.001941  
 Predicted MQL: 0.006470

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .01855 | .002    | 1        |
| S1        | .02000       | .01904      | -.001      | -4.78   | .05744 | .003    | 1        |
| S3        | 2.5000       | 2.4608      | -.039      | -1.57   | 5.0438 | .051    | 1        |
| S4        | 5.0000       | 4.9199      | -.080      | -1.60   | 10.066 | .075    | 1        |
| S5        | 10.000       | 10.120      | .120       | 1.20    | 20.686 | .219    | 1        |

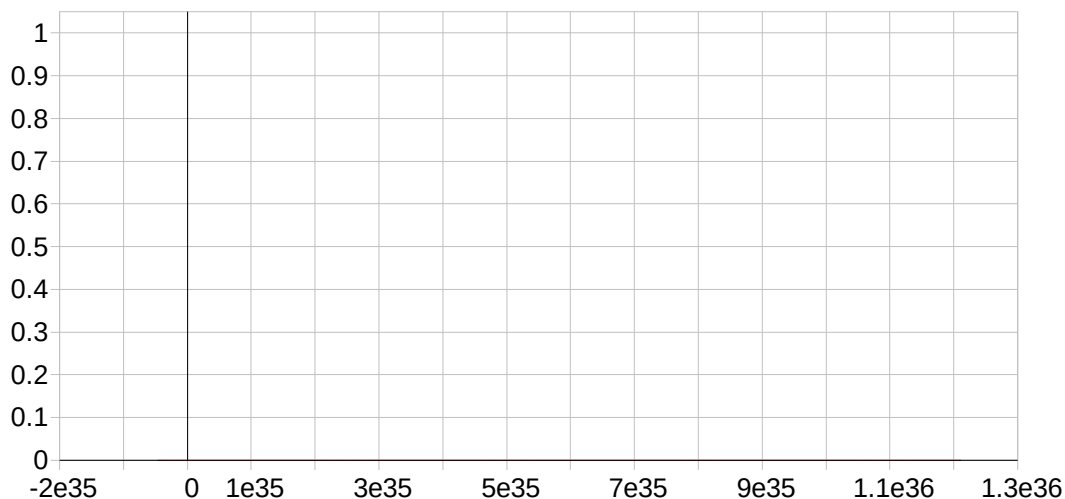


P 177.495 {490}

Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002509 Re-Slope: 1.000000  
 A1 (Gain): 0.083310 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999314 Status: OK.  
 Std Error of Est: 0.000074  
 Predicted MDL: 0.001577  
 Predicted MQL: 0.005256

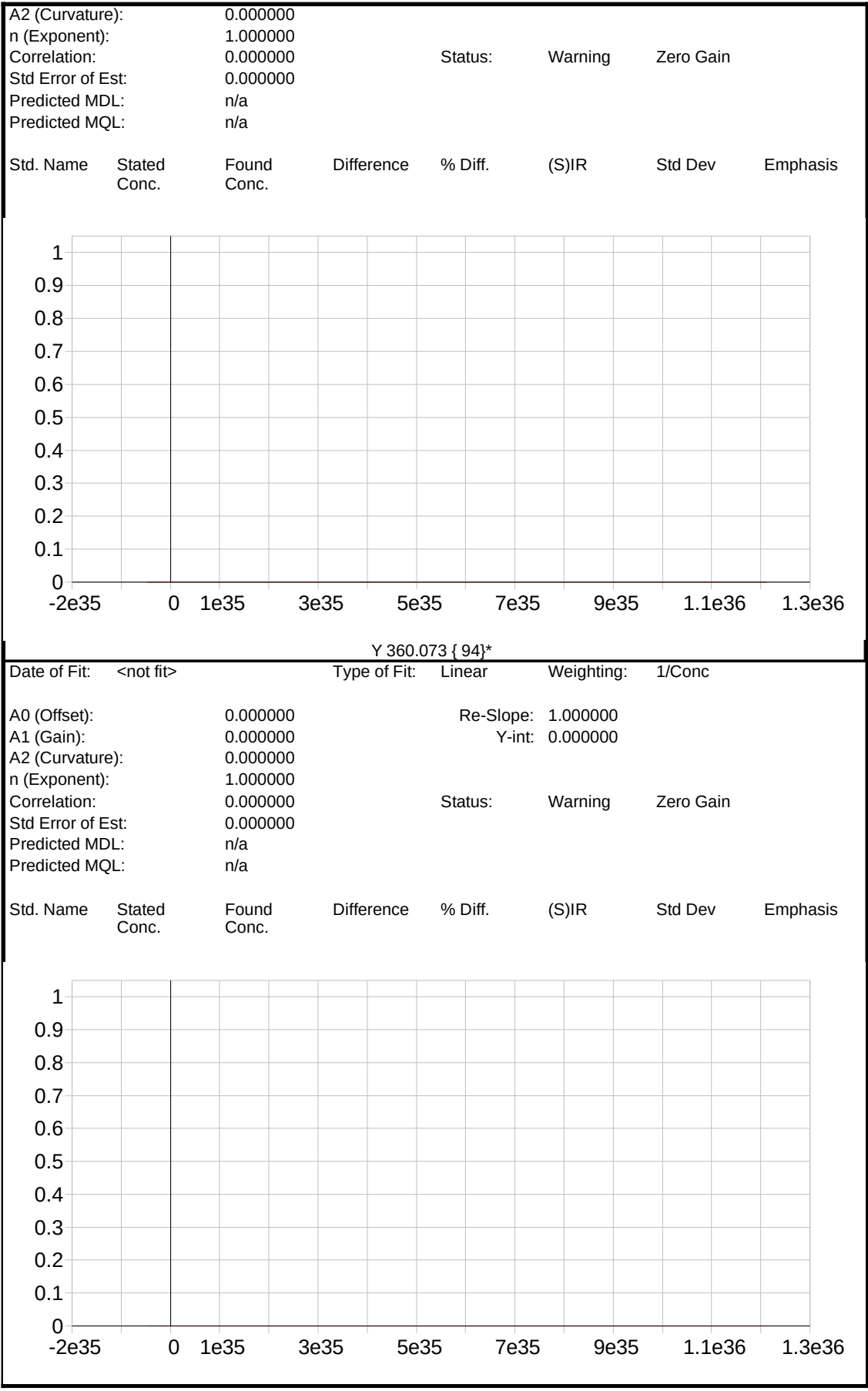
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00251 | .000    | 1        |
| S1        | .02000       | .01891      | -.001      | -5.46   | -.00094 | .000    | 1        |
| S3        | 2.5000       | 2.3444      | -.156      | -6.22   | .19250  | .002    | 1        |
| S4        | 5.0000       | 4.8471      | -.153      | -3.06   | .40070  | .000    | 1        |
| S5        | 10.000       | 10.310      | .310       | 3.10    | .85518  | .002    | 1        |

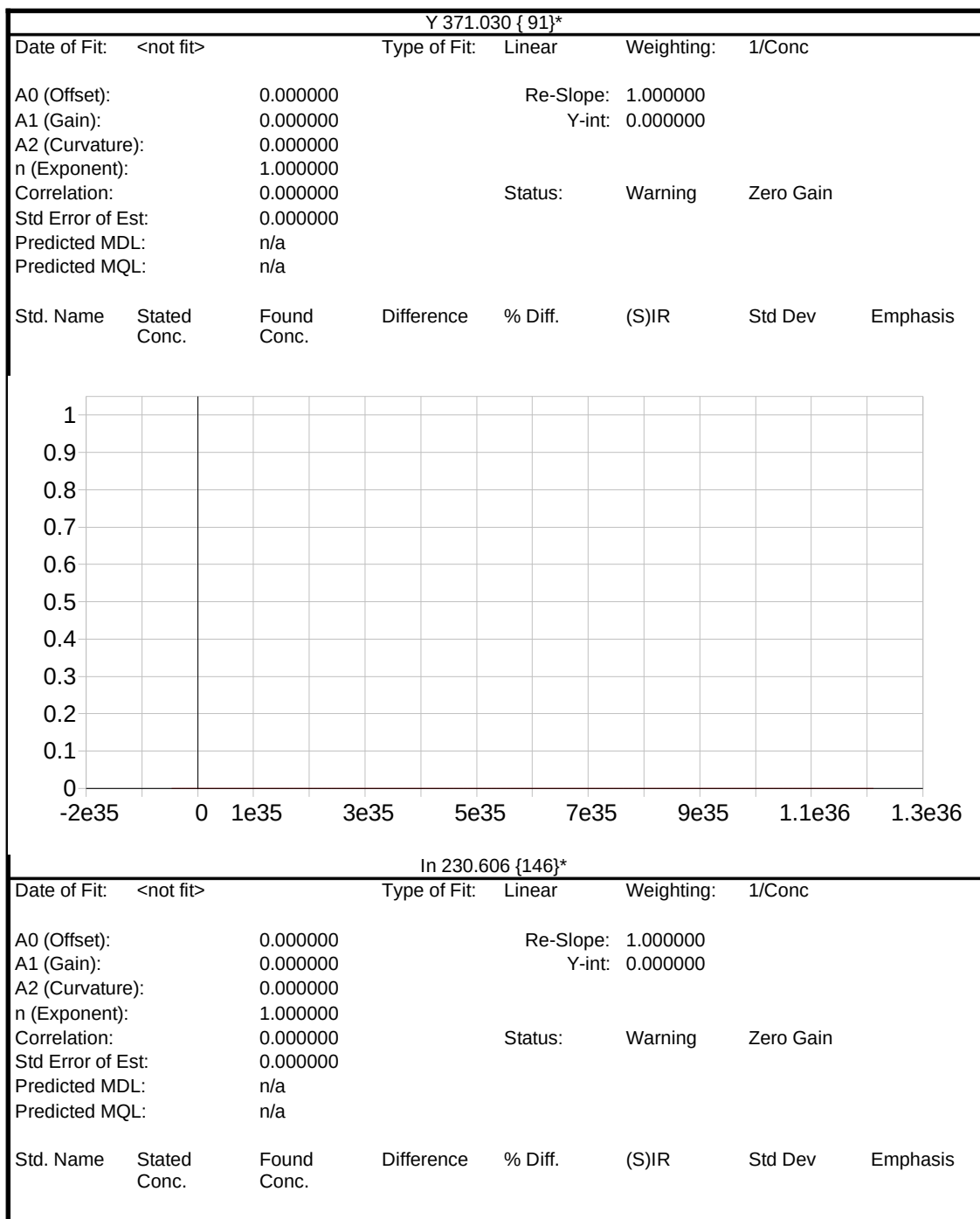


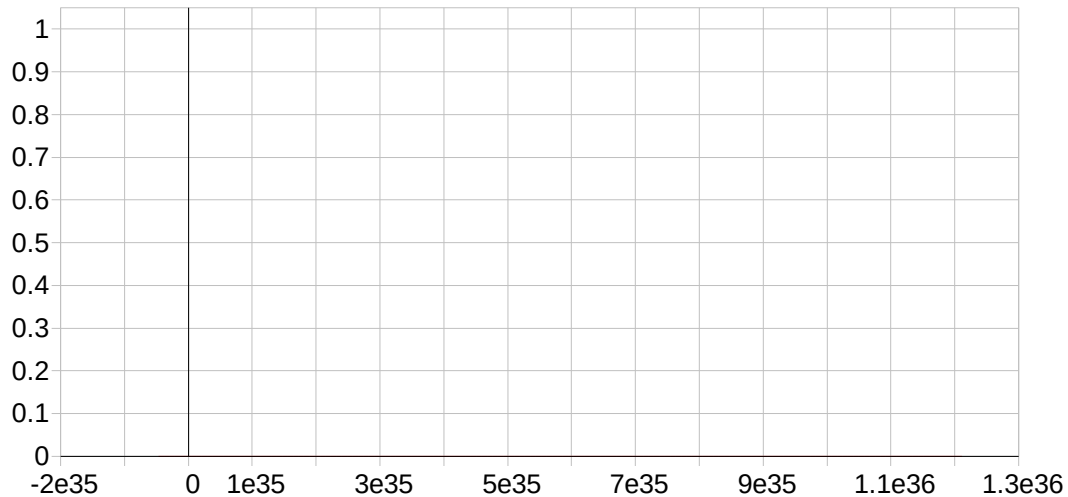
Y 224.306 {450}\*

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

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







In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

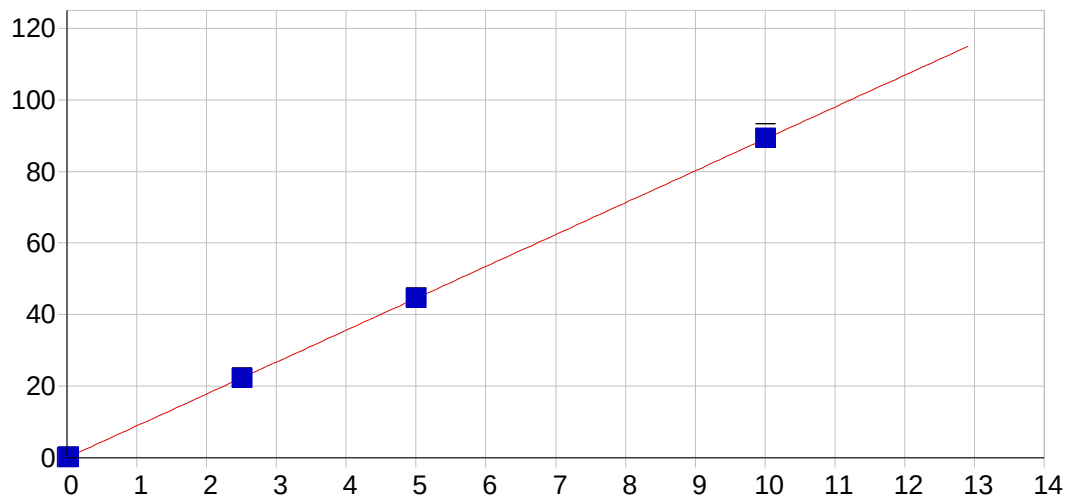
Status: Warning Zero Gain

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 |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



Sr 407.771 { 83}

Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.007734

Re-Slope: 1.000000

A1 (Gain): 8.907670

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999993

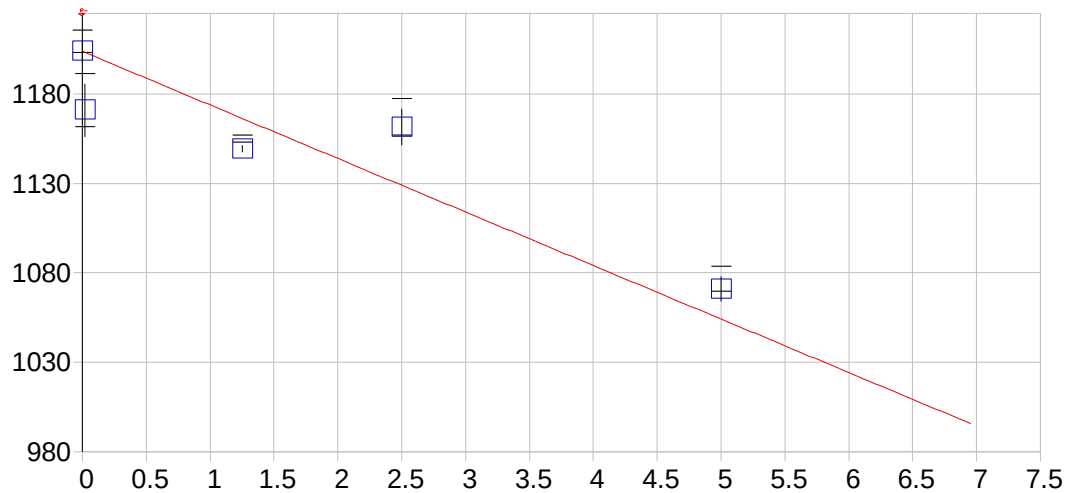
Status: OK.

Std Error of Est: 0.000803

Predicted MDL: 0.000157

Predicted MQL: 0.000522

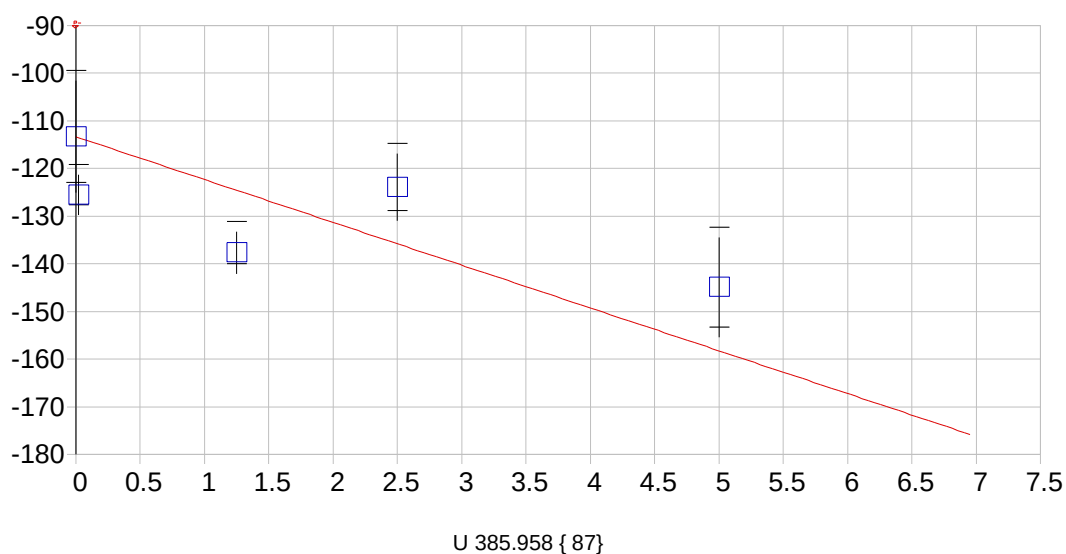
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00772 | .001    | 1        |
| S1        | .02000       | .02125      | .001       | 6.26    | .19802 | .000    | 1        |
| S3        | 2.5000       | 2.4844      | -.016      | -.624   | 22.162 | .129    | 1        |
| S4        | 5.0000       | 4.9913      | -.009      | -.173   | 44.518 | .208    | 1        |
| S5        | 10.000       | 10.023      | .023       | .230    | 89.387 | 1.18    | 1        |



Date of Fit: 3/28/2019 15:42:24 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 1203.729600 Re-Slope: 1.000000  
A1 (Gain): -29.910406 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.359446 Status: Warning Negative Gain  
Std Error of Est: 1.326955  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00108     | -.001      | .000    | 1203.8 | 6.38    | 1        |
| S1        | .02000       | 1.0994      | 1.08       | 5400.   | 1170.8 | 14.9    | 1        |
| S3        | 1.2500       | 1.8192      | .569       | 45.5    | 1149.3 | 2.02    | 1        |
| S4        | 2.5000       | 1.4133      | -1.09      | -43.5   | 1161.5 | 10.2    | 1        |
| S5        | 5.0000       | 4.4381      | -.562      | -11.2   | 1071.0 | 7.08    | 1        |



Date of Fit: 3/28/2019 15:42:24

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -113.339471

Re-Slope: 1.000000

A1 (Gain): -8.983401

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.294407

Status: Warning Negative Gain

Std Error of Est: 0.498326

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00134     | -.001      | .000    | -113.33 | 11.7    | 1        |
| S1        | .02000       | 1.3577      | 1.34       | 6690.   | -125.54 | 4.18    | 1        |
| S3        | 1.2500       | 2.7146      | 1.46       | 117.    | -137.73 | 4.46    | 1        |
| S4        | 2.5000       | 1.1809      | -1.32      | -52.8   | -123.95 | 7.07    | 1        |
| S5        | 5.0000       | 3.5169      | -1.48      | -29.7   | -144.93 | 10.5    | 1        |



Sample Name: S0      Acquired: 3/28/2019 11:42:08      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      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    | .00066 | -.00014 | .00555 | -.00001 | .00026 | .00073 | .00700 | -.00012 |
| Stddev | .00011 | .00019  | .00016 | .00010  | .00014 | .00003 | .00022 | .00002  |
| %RSD   | 16.128 | 139.22  | 2.8946 | 1164.9  | 54.956 | 3.6374 | 3.1446 | 15.076  |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00078 | -.00021 | .00567 | .00002  | .00036 | .00073 | .00681 | -.00014 |
| #2 | .00058 | -.00028 | .00537 | .00008  | .00010 | .00076 | .00694 | -.00011 |
| #3 | .00061 | .00008  | .00562 | -.00012 | .00032 | .00071 | .00724 | -.00011 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00331 | .00236 | -.00058 | .00019 | .01581 | .00161 | .00159 | .00009 |
| Stddev | .00020 | .00076 | .00008  | .00018 | .00059 | .00007 | .00001 | .00003 |
| %RSD   | 6.0991 | 32.197 | 13.108  | 95.000 | 3.7030 | 4.1116 | .54192 | 32.943 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .00354 | .00320 | -.00066 | -.00002 | .01640 | .00157 | .00160 | .00006 |
| #2 | .00318 | .00215 | -.00052 | .00031  | .01581 | .00158 | .00158 | .00012 |
| #3 | .00322 | .00172 | -.00054 | .00029  | .01523 | .00169 | .00160 | .00008 |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | Cts/S   | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S  |
| Avg    | -.00722 | .00059 | .00570 | -.00002 | .00194 | -.00729 | .00036 | .00002 |
| Stddev | .00005  | .00007 | .00036 | .00003  | .00020 | .00014  | .00010 | .00004 |
| %RSD   | .75775  | 11.764 | 6.2802 | 160.76  | 10.087 | 1.9776  | 29.320 | 231.42 |

|    |         |        |        |         |        |         |        |         |
|----|---------|--------|--------|---------|--------|---------|--------|---------|
| #1 | -.00727 | .00051 | .00543 | .00001  | .00217 | -.00721 | .00043 | .00002  |
| #2 | -.00716 | .00063 | .00556 | -.00005 | .00179 | -.00719 | .00040 | -.00002 |
| #3 | -.00723 | .00062 | .00610 | -.00002 | .00187 | -.00745 | .00024 | .00005  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00033 | .01694 | .00071 | .01216 | .01855 | -.0025 | .00772 | 1203.8 |
| Stddev | .00010 | .00101 | .00004 | .00060 | .00204 | .0001  | .00069 | 6.4    |
| %RSD   | 29.695 | 5.9822 | 5.4777 | 4.9119 | 10.985 | 3.119  | 8.9668 | .52996 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00031 | .01578 | .00069 | .01248 | .01692 | -.0024 | .00852 | 1211.1 |
| #2 | .00043 | .01766 | .00069 | .01147 | .02084 | -.0026 | .00726 | 1199.9 |
| #3 | .00024 | .01738 | .00076 | .01253 | .01790 | -.0026 | .00739 | 1200.2 |

Sample Name: S0      Acquired: 3/28/2019 11:42:08      Type: Cal  
 Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -113.33 |
| Stddev | 11.74   |
| %RSD   | 10.364  |

|    |         |
|----|---------|
| #1 | -102.26 |
| #2 | -112.07 |
| #3 | -125.65 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3539.0 | 40646. | 3219.5 | 44.436 | 4037.1 |
| Stddev    | 2.6    | 25.    | 42.2   | 1.223  | 5.8    |
| %RSD      | .07440 | .06044 | 1.3101 | 2.7524 | .14349 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3536.7 | 40622. | 3205.4 | 45.192 | 4040.9 |
| #2 | 3538.5 | 40646. | 3186.1 | 43.025 | 4039.9 |
| #3 | 3541.9 | 40671. | 3266.9 | 45.092 | 4030.4 |

Sample Name: S1      Acquired: 3/28/2019 11:46:35      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      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    | .00178 | .00635 | .00896 | .00140 | .00671  | .00150 | .05002 | .00625 |
| Stddev | .00005 | .00030 | .00032 | .00002 | .00022  | .00014 | .00040 | .00013 |
| %RSD   | 2.9584 | 4.6828 | 3.5829 | 1.3595 | 3.3228  | 9.0400 | .79287 | 2.1200 |
| #1     | .00173 | .00649 | .00912 | .00138 | .00649  | .00144 | .05026 | .00622 |
| #2     | .00178 | .00656 | .00859 | .00141 | .00694  | .00140 | .04956 | .00614 |
| #3     | .00183 | .00601 | .00916 | .00141 | .00670  | .00165 | .05025 | .00640 |
| Elem   | Cd2265 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Ni2316 | Ag3280 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .02704 | .00105 | .03016 | .03204 | .00981  | .03187 | .01166 | .00234 |
| Stddev | .00019 | .00004 | .00020 | .00019 | .00007  | .00018 | .00014 | .00002 |
| %RSD   | .71015 | 3.5139 | .67897 | .60110 | .73602  | .57742 | 1.1895 | .77293 |
| #1     | .02724 | .00109 | .03033 | .03200 | .00989  | .03203 | .01182 | .00233 |
| #2     | .02701 | .00102 | .02993 | .03187 | .00975  | .03167 | .01159 | .00233 |
| #3     | .02686 | .00104 | .03022 | .03225 | .00978  | .03191 | .01157 | .00236 |
| Elem   | V_2924 | Zn2138 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00715 | .08212 | .12644 | .00019 | .00090  | .19843 | .00619 | .02155 |
| Stddev | .00012 | .00012 | .00050 | .00003 | .00003  | .00117 | .00012 | .00084 |
| %RSD   | 1.6709 | .15175 | .39400 | 17.543 | 3.1356  | .58811 | 1.9636 | 3.8903 |
| #1     | .00729 | .08206 | .12694 | .00023 | .00093  | .19927 | .00631 | .02088 |
| #2     | .00709 | .08204 | .12594 | .00017 | .00088  | .19892 | .00607 | .02249 |
| #3     | .00707 | .08227 | .12644 | .00017 | .00088  | .19710 | .00618 | .02128 |
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |        |        |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |        |        |
| Avg    | .05744 | -.0009 | .19802 | 1170.8 | -125.54 |        |        |        |
| Stddev | .00251 | .0002  | .00050 | 14.9   | 4.18    |        |        |        |
| %RSD   | 4.3772 | 19.74  | .25223 | 1.2693 | 3.3303  |        |        |        |
| #1     | .05707 | -.0010 | .19851 | 1186.2 | -121.45 |        |        |        |
| #2     | .05514 | -.0011 | .19751 | 1169.9 | -129.81 |        |        |        |
| #3     | .06012 | -.0007 | .19805 | 1156.5 | -125.35 |        |        |        |

Sample Name: S1      Acquired: 3/28/2019 11:46:35      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3469.2 | 39679. | 3177.3 | 45.331 | 3952.0 |
| Stddev    | 7.2    | 125.   | 34.0   | 1.890  | 9.0    |
| %RSD      | .20630 | .31619 | 1.0688 | 4.1699 | .22864 |
| #1        | 3467.9 | 39535. | 3172.6 | 47.092 | 3941.6 |
| #2        | 3476.9 | 39760. | 3145.9 | 43.333 | 3958.1 |
| #3        | 3462.7 | 39743. | 3213.3 | 45.567 | 3956.2 |

Sample Name: S2      Acquired: 3/28/2019 11:51:01      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |
|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Mg2790 | Na5895 | K_7664 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .09239 | .00122 | .04868 | .00610 |
| Stddev | .00119 | .00004 | .00040 | .00019 |
| %RSD   | 1.2930 | 3.0204 | .81475 | 3.1260 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .09123 | .00125 | .04825 | .00627 |
| #2 | .09362 | .00118 | .04876 | .00589 |
| #3 | .09234 | .00123 | .04903 | .00614 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 39628. | 3140.7 |
| Stddev    | 132.   | 13.0   |
| %RSD      | .33384 | .41329 |

|    |        |        |
|----|--------|--------|
| #1 | 39590. | 3126.3 |
| #2 | 39775. | 3144.3 |
| #3 | 39518. | 3151.4 |

Sample Name: S3      Acquired: 3/28/2019 11:55:15      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      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    | .12725 | .36681 | .69105 | .14147 | .30748 | .03435 | 1.9162 | .11955 |
| Stddev | .00027 | .00306 | .00294 | .00063 | .00169 | .00028 | .0132  | .00023 |
| %RSD   | .21232 | .83518 | .42615 | .44879 | .54957 | .82673 | .68635 | .18832 |
| #1     | .12694 | .36348 | .68799 | .14074 | .30553 | .03467 | 1.9281 | .11979 |
| #2     | .12736 | .36745 | .69127 | .14183 | .30838 | .03421 | 1.9021 | .11934 |
| #3     | .12745 | .36950 | .69387 | .14185 | .30853 | .03416 | 1.9183 | .11951 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 4.6788 | .52081 | .07234 | 1.2004 | .47057 | .18971 | 1.6446 | .00690 |
| Stddev | .0210  | .00106 | .00010 | .0057  | .00211 | .00078 | .0047  | .00006 |
| %RSD   | .44982 | .20291 | .13797 | .47158 | .44786 | .41334 | .28364 | .81573 |
| #1     | 4.6553 | .51969 | .07223 | 1.1939 | .46893 | .19044 | 1.6479 | .00696 |
| #2     | 4.6960 | .52097 | .07237 | 1.2036 | .47294 | .18888 | 1.6393 | .00689 |
| #3     | 4.6850 | .52178 | .07242 | 1.2038 | .46982 | .18980 | 1.6466 | .00685 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .55476 | .10578 | .25472 | .21066 | 2.4316 | .07109 | 1.4691 | .00389 |
| Stddev | .00165 | .00031 | .00227 | .00083 | .0121  | .00090 | .0072  | .00004 |
| %RSD   | .29759 | .29034 | .89014 | .39190 | .49627 | 1.2613 | .48729 | .98908 |
| #1     | .55303 | .10549 | .25599 | .21048 | 2.4186 | .07212 | 1.4618 | .00392 |
| #2     | .55495 | .10574 | .25210 | .20993 | 2.4425 | .07048 | 1.4761 | .00384 |
| #3     | .55632 | .10610 | .25607 | .21156 | 2.4337 | .07066 | 1.4695 | .00390 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .07388 | 1.1834 | .34474 | .52479 | 5.0438 | .1925  | 22.162 | 1149.3 |
| Stddev | .00033 | .0158  | .00158 | .00190 | .0506  | .0016  | .129   | 2.0    |
| %RSD   | .44519 | 1.3345 | .45921 | .36283 | 1.0036 | .8060  | .58151 | .17603 |
| #1     | .07351 | 1.1657 | .34298 | .52656 | 4.9854 | .1908  | 22.014 | 1150.0 |
| #2     | .07399 | 1.1962 | .34604 | .52505 | 5.0711 | .1929  | 22.229 | 1150.9 |
| #3     | .07414 | 1.1881 | .34521 | .52277 | 5.0750 | .1938  | 22.244 | 1147.0 |

Sample Name: S3      Acquired: 3/28/2019 11:55:15      Type: Cal  
 Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -137.73 |
| Stddev | 4.46    |
| %RSD   | 3.2360  |

|    |         |
|----|---------|
| #1 | -142.85 |
| #2 | -135.57 |
| #3 | -134.75 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3430.6 | 39442. | 3151.3 | 42.114 | 3753.8 |
| Stddev    | 14.9   | 129.   | 28.1   | 1.174  | 16.3   |
| %RSD      | .43372 | .32721 | .89091 | 2.7870 | .43368 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3439.3 | 39326. | 3183.7 | 43.424 | 3769.4 |
| #2 | 3413.5 | 39581. | 3134.3 | 41.758 | 3736.9 |
| #3 | 3439.1 | 39420. | 3135.9 | 41.159 | 3755.1 |

Sample Name: S4      Acquired: 3/28/2019 11:59:15      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      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    | .25540 | .73692 | 1.3895 | .28302 | .61779 | .06871 | 3.9002 | .23772 |
| Stddev | .00050 | .00037 | .0022  | .00044 | .00127 | .00031 | .0203  | .00064 |
| %RSD   | .19605 | .05015 | .15833 | .15545 | .20566 | .45735 | .52087 | .26783 |
| #1     | .25557 | .73672 | 1.3881 | .28343 | .61888 | .06902 | 3.9235 | .23703 |
| #2     | .25484 | .73670 | 1.3920 | .28255 | .61639 | .06839 | 3.8862 | .23783 |
| #3     | .25580 | .73735 | 1.3883 | .28307 | .61809 | .06873 | 3.8910 | .23829 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 9.5126 | 1.0323 | .14375 | 2.4286 | .90825 | .37252 | 3.2500 | .01379 |
| Stddev | .0100  | .0096  | .00023 | .0016  | .00209 | .00064 | .0070  | .00012 |
| %RSD   | .10554 | .93359 | .15675 | .06465 | .23031 | .17133 | .21443 | .86133 |
| #1     | 9.5222 | 1.0220 | .14351 | 2.4299 | .90840 | .37212 | 3.2436 | .01390 |
| #2     | 9.5135 | 1.0340 | .14377 | 2.4291 | .90609 | .37219 | 3.2489 | .01367 |
| #3     | 9.5022 | 1.0410 | .14396 | 2.4269 | .91026 | .37326 | 3.2574 | .01381 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.1237 | .20943 | .51242 | .42108 | 4.9064 | .15040 | 2.9282 | .00793 |
| Stddev | .0016  | .00073 | .00269 | .00014 | .0074  | .00048 | .0045  | .00004 |
| %RSD   | .14537 | .35078 | .52521 | .03229 | .15006 | .31704 | .15198 | .51944 |
| #1     | 1.1225 | .21000 | .51552 | .42119 | 4.9146 | .15093 | 2.9284 | .00796 |
| #2     | 1.1229 | .20860 | .51104 | .42112 | 4.9044 | .15029 | 2.9236 | .00788 |
| #3     | 1.1255 | .20969 | .51069 | .42093 | 4.9002 | .15000 | 2.9325 | .00795 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .15282 | 2.3240 | .69925 | 1.0256 | 10.066 | .4007  | 44.518 | 1161.5 |
| Stddev | .00030 | .0262  | .00086 | .0012  | .075   | .0001  | .208   | 10.2   |
| %RSD   | .19437 | 1.1256 | .12236 | .11471 | .74084 | .0206  | .46791 | .87744 |
| #1     | .15308 | 2.2938 | .70021 | 1.0247 | 9.9805 | .4006  | 44.277 | 1150.4 |
| #2     | .15289 | 2.3387 | .69857 | 1.0253 | 10.098 | .4007  | 44.637 | 1170.4 |
| #3     | .15249 | 2.3396 | .69896 | 1.0269 | 10.119 | .4008  | 44.640 | 1163.6 |



Sample Name: S4      Acquired: 3/28/2019 11:59:15      Type: Cal  
 Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -123.95 |
| Stddev | 7.07    |
| %RSD   | 5.7077  |

|    |         |
|----|---------|
| #1 | -129.31 |
| #2 | -126.60 |
| #3 | -115.93 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3454.2 | 39891. | 3238.9 | 43.484 | 3684.9 |
| Stddev    | 4.2    | 150.   | 24.9   | 1.794  | 2.9    |
| %RSD      | .12031 | .37709 | .76762 | 4.1246 | .07822 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.8 | 39756. | 3266.2 | 45.536 | 3683.7 |
| #2 | 3458.0 | 40053. | 3233.0 | 42.699 | 3682.7 |
| #3 | 3449.8 | 39865. | 3217.5 | 42.216 | 3688.1 |

Sample Name: S5      Acquired: 3/28/2019 12:03:15      Type: Cal  
Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      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    | .52549 | 1.5103 | 2.8823 | .57732 | 1.2655 | .14343 | 7.9395 | .48316 |
| Stddev | .00071 | .0077  | .0029  | .00121 | .0021  | .00116 | .0088  | .00017 |
| %RSD   | .13508 | .51335 | .10198 | .20933 | .16879 | .80921 | .11089 | .03471 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .52500 | 1.5186 | 2.8856 | .57593 | 1.2646 | .14210 | 7.9315 | .48327 |
| #2 | .52631 | 1.5032 | 2.8811 | .57794 | 1.2679 | .14423 | 7.9490 | .48324 |
| #3 | .52516 | 1.5091 | 2.8801 | .57810 | 1.2640 | .14395 | 7.9381 | .48296 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 19.832 | 2.1076 | .29139 | 5.0823 | 1.8164 | .75679 | 6.5572 | .02859 |
| Stddev | .007   | .0159  | .00031 | .0024  | .0034  | .00131 | .0061  | .00022 |
| %RSD   | .03779 | .75645 | .10766 | .04782 | .18812 | .17354 | .09259 | .77837 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.833 | 2.1094 | .29144 | 5.0823 | 1.8146 | .75810 | 6.5582 | .02834 |
| #2 | 19.838 | 2.1225 | .29168 | 5.0799 | 1.8204 | .75679 | 6.5626 | .02867 |
| #3 | 19.823 | 2.0908 | .29106 | 5.0848 | 1.8143 | .75547 | 6.5506 | .02875 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.3442 | .42726 | 1.0666 | .86365 | 10.298 | .32072 | 5.9603 | .01648 |
| Stddev | .0034  | .00113 | .0036  | .00154 | .011   | .00105 | .0086  | .00019 |
| %RSD   | .14688 | .26398 | .33297 | .17868 | .10354 | .32713 | .14502 | 1.1700 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.3437 | .42856 | 1.0630 | .86519 | 10.309 | .31988 | 5.9594 | .01626 |
| #2 | 2.3479 | .42671 | 1.0701 | .86365 | 10.297 | .32039 | 5.9693 | .01662 |
| #3 | 2.3411 | .42651 | 1.0667 | .86210 | 10.288 | .32190 | 5.9521 | .01655 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .32801 | 4.7291 | 1.4609 | 2.1007 | 20.686 | .8552  | 89.387 | 1071.0 |
| Stddev | .00022 | .0651  | .0035  | .0136  | .219   | .0019  | 1.179  | 7.1    |
| %RSD   | .06677 | 1.3771 | .23652 | .64798 | 1.0609 | .2258  | 1.3194 | .66084 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .32822 | 4.7796 | 1.4649 | 2.0987 | 20.810 | .8566 | 90.156 | 1072.3 |
| #2 | .32778 | 4.7520 | 1.4588 | 2.1151 | 20.815 | .8530 | 89.977 | 1077.3 |
| #3 | .32805 | 4.6556 | 1.4590 | 2.0881 | 20.432 | .8560 | 88.029 | 1063.3 |

Sample Name: S5      Acquired: 3/28/2019 12:03:15      Type: Cal  
 Method: P4-ICP2(v2995)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -144.93 |
| Stddev | 10.50   |
| %RSD   | 7.2454  |

|    |         |
|----|---------|
| #1 | -149.42 |
| #2 | -152.45 |
| #3 | -132.93 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3232.4 | 37514. | 3083.2 | 41.125 | 3329.5 |
| Stddev    | 7.2    | 116.   | 41.5   | .603   | 5.5    |
| %RSD      | .22248 | .30899 | 1.3444 | 1.4652 | .16439 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3230.6 | 37511. | 3049.5 | 40.600 | 3323.6 |
| #2 | 3226.2 | 37400. | 3070.8 | 41.783 | 3330.6 |
| #3 | 3240.3 | 37632. | 3129.5 | 40.992 | 3334.4 |

Sample Name: ICV01      Acquired: 3/28/2019 12:07:30      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0171 | 1.0421 | 1.0027 | 1.0258 | 1.0123 | 2.5832 | .51127 |
| Stddev | .0075  | .0063  | .0053  | .0038  | .0038  | .0364  | .00236 |
| %RSD   | .73391 | .59997 | .52835 | .36737 | .37768 | 1.4074 | .46221 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0189 | 1.0388 | 1.0035 | 1.0232 | 1.0141 | 2.5415 | .51141 |
| #2 | 1.0235 | 1.0493 | 1.0076 | 1.0302 | 1.0149 | 2.6080 | .51355 |
| #3 | 1.0089 | 1.0381 | .99708 | 1.0242 | 1.0079 | 2.6003 | .50883 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50117 | .48745 | 10.370 | .51214 | .50381 | .51164 | 5.2120 |
| Stddev | .00096 | .00141 | .070   | .00248 | .00238 | .00244 | .0079  |
| %RSD   | .19106 | .28904 | .67269 | .48427 | .47304 | .47698 | .15207 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50060 | .48664 | 10.450 | .50982 | .50301 | .51286 | 5.2037 |
| #2 | .50063 | .48908 | 10.334 | .51476 | .50649 | .51323 | 5.2195 |
| #3 | .50227 | .48663 | 10.325 | .51183 | .50193 | .50883 | 5.2127 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52313 | 5.9490 | .50742 | .47720 | 9.9994 | .50624 | .97637 |
| Stddev | .00171 | .0629  | .00180 | .00052 | .0381  | .00165 | .00259 |
| %RSD   | .32705 | 1.0570 | .35393 | .10920 | .38102 | .32688 | .26569 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .52129 | 5.9841 | .50640 | .47675 | 10.036 | .50662 | .97402 |
| #2 | .52341 | 5.8764 | .50949 | .47777 | 10.003 | .50768 | .97916 |
| #3 | .52468 | 5.9866 | .50637 | .47708 | 9.9597 | .50443 | .97592 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.168 | 2.5113 | 2.5036 | 2.6614 | 2.3751 | 2.4269 | 2.5056 |
| Stddev | .019   | .0027  | .0169  | .0182  | .0115  | .0127  | .0083  |
| %RSD   | .19096 | .10895 | .67642 | .68318 | .48357 | .52351 | .33274 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.186 | 2.5099 | 2.4939 | 2.6480 | 2.3823 | 2.4190 | 2.5132 |
| #2 | 10.170 | 2.5144 | 2.4937 | 2.6821 | 2.3810 | 2.4416 | 2.5069 |
| #3 | 10.147 | 2.5095 | 2.5231 | 2.6541 | 2.3618 | 2.4203 | 2.4967 |

Sample Name: ICV01      Acquired: 3/28/2019 12:07:30      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | 2.6585 | 2.688  | 2.3933 | F 2.2408 | F<.00000 |
| Stddev    | .0088  | .022   | .0084  | .2130    | .77981   |
| %RSD      | .32983 | .8283  | .35038 | 9.5072   | 53.915   |
| #1        | 2.6624 | 2.674  | 2.3996 | 2.4734   | -.71759  |
| #2        | 2.6646 | 2.713  | 2.3966 | 2.0551   | -2.2688  |
| #3        | 2.6485 | 2.675  | 2.3838 | 2.1938   | -1.3528  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3389.2 | 38877. | 3138.6 | 41.215   | 3774.2   |
| Stddev    | 3.9    | 88.    | 16.5   | 1.388    | 13.9     |
| %RSD      | .11427 | .22538 | .52682 | 3.3676   | .36883   |
| #1        | 3393.5 | 38779. | 3125.4 | 42.816   | 3787.0   |
| #2        | 3386.2 | 38903. | 3133.3 | 40.360   | 3759.4   |
| #3        | 3387.8 | 38948. | 3157.1 | 40.468   | 3776.3   |

Sample Name: LLICV01      Acquired: 3/28/2019 12:27:47      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02312 | .04307 | .01135 | .02166 | .05164 | .10449 | .10427 | .00640   |
| Stddev | .00187 | .00058 | .00133 | .00215 | .00050 | .00442 | .00050 | .00009   |
| %RSD   | 8.0935 | 1.3498 | 11.757 | 9.9170 | .97104 | 4.2337 | .47851 | 1.3796   |
| #1     | .02223 | .04363 | .01236 | .01920 | .05106 | .10040 | .10395 | .00649   |
| #2     | .02186 | .04311 | .00983 | .02320 | .05194 | .10387 | .10401 | .00639   |
| #3     | .02527 | .04247 | .01185 | .02257 | .05192 | .10919 | .10484 | .00632   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00581 | 2.0387 | .01090 | .02916 | .02049 | .09972 | .02221 | 1.9695   |
| Stddev | .00014 | .0269  | .00038 | .00012 | .00044 | .00022 | .00016 | .0402    |
| %RSD   | 2.4296 | 1.3180 | 3.5305 | .41208 | 2.1456 | .22530 | .70253 | 2.0433   |
| #1     | .00590 | 2.0599 | .01104 | .02905 | .02097 | .09992 | .02223 | 2.0030   |
| #2     | .00565 | 2.0085 | .01120 | .02915 | .02040 | .09948 | .02204 | 1.9807   |
| #3     | .00588 | 2.0478 | .01047 | .02929 | .02010 | .09975 | .02235 | 1.9248   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04063 | .01081 | 1.9441 | .04066 | .03872 | 2.0763 | .20579 | .11896   |
| Stddev | .00018 | .00018 | .0086  | .00037 | .00023 | .0587  | .00060 | .01232   |
| %RSD   | .43511 | 1.6306 | .44220 | .90573 | .58950 | 2.8264 | .28986 | 10.355   |
| #1     | .04044 | .01063 | 1.9516 | .04024 | .03873 | 2.0894 | .20512 | .13314   |
| #2     | .04078 | .01081 | 1.9347 | .04080 | .03849 | 2.1273 | .20626 | .11292   |
| #3     | .04068 | .01098 | 1.9460 | .04094 | .03895 | 2.0121 | .20599 | .11083   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01625 | .38395 | .04013 | .04215 | .01632 | .0187  | .02046 | F .05050 |
| Stddev | .00328 | .00496 | .00090 | .00197 | .00118 | .0019  | .00014 | .08618   |
| %RSD   | 20.203 | 1.2914 | 2.2369 | 4.6845 | 7.2038 | 9.949  | .66346 | 170.67   |
| #1     | .01365 | .37978 | .04071 | .04424 | .01674 | .0198  | .02050 | .14909   |
| #2     | .01517 | .38264 | .03910 | .04032 | .01500 | .0198  | .02032 | .01289   |
| #3     | .01994 | .38943 | .04059 | .04187 | .01723 | .0166  | .02058 | -.01050  |

Sample Name: LLICV01      Acquired: 3/28/2019 12:27:47      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 1.0522  
 Stddev      .6796  
 %RSD      64.586

#1      .51910  
 #2      1.8175  
 #3      .82011

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3536.7 | 40649. | 3229.8 | 45.172 | 4056.5 |
| Stddev    | 5.7    | 220.   | 11.7   | .472   | 6.7    |
| %RSD      | .16161 | .54187 | .36175 | 1.0453 | .16439 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3531.6 | 40431. | 3226.9 | 44.925 | 4056.9 |
| #2 | 3542.9 | 40872. | 3242.7 | 44.875 | 4063.0 |
| #3 | 3535.6 | 40643. | 3219.9 | 45.717 | 4049.7 |

Sample Name: ICB01      Acquired: 3/28/2019 12:32:12      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00005 | .00071  | -.00151 | .00215  | .00031  | .00526  | -.00077 | -.00003  |
| Stddev | .00251  | .00067  | .00091  | .00280  | .00020  | .00525  | .00111  | .00009   |
| %RSD   | 5540.4  | 94.475  | 60.703  | 130.18  | 64.305  | 99.764  | 144.18  | 355.05   |
| #1     | .00280  | .00061  | -.00085 | .00483  | .00025  | .00155  | -.00197 | .00007   |
| #2     | -.00195 | .00142  | -.00255 | -.00075 | .00053  | .01126  | .00020  | -.00010  |
| #3     | -.00099 | .00009  | -.00111 | .00236  | .00015  | .00296  | -.00052 | -.00005  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00003 | -.02799 | .00100  | .00028  | -.00147 | -.00368 | .00005  | -.07288  |
| Stddev | .00004  | .02038  | .00041  | .00002  | .00062  | .00031  | .00004  | .01779   |
| %RSD   | 164.78  | 72.803  | 41.150  | 7.7442  | 42.382  | 8.5105  | 88.210  | 24.405   |
| #1     | -.00001 | -.05151 | .00061  | .00026  | -.00212 | -.00384 | .00003  | -.06244  |
| #2     | .00000  | -.01678 | .00096  | .00027  | -.00087 | -.00331 | .00002  | -.09341  |
| #3     | -.00007 | -.01568 | .00143  | .00030  | -.00142 | -.00387 | .00009  | -.06278  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00047  | .00016  | -.06427 | .00062  | .00027  | .04060  | -.00011 | .00123   |
| Stddev | .00032  | .00020  | .00689  | .00041  | .00010  | .03711  | .00028  | .01372   |
| %RSD   | 67.767  | 124.27  | 10.725  | 66.650  | 38.181  | 91.399  | 261.88  | 1116.8   |
| #1     | .00020  | .00003  | -.07107 | .00088  | .00015  | .03793  | -.00013 | .00523   |
| #2     | .00039  | .00039  | -.06447 | .00083  | .00034  | .00490  | -.00038 | .01251   |
| #3     | .00082  | .00006  | -.05728 | .00014  | .00032  | .07897  | .00018  | -.01405  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00210 | .00114  | .00072  | .00561  | .00257  | -.0004  | .00064  | F .16605 |
| Stddev | .00114  | .00183  | .00019  | .00113  | .00079  | .0014   | .00018  | .29626   |
| %RSD   | 54.214  | 159.92  | 26.397  | 20.166  | 30.869  | 359.5   | 27.882  | 178.41   |
| #1     | -.00117 | -.00005 | .00093  | .00681  | .00303  | .0012   | .00054  | .50722   |
| #2     | -.00337 | .00023  | .00066  | .00457  | .00302  | -.0015  | .00053  | .01715   |
| #3     | -.00176 | .00325  | .00056  | .00544  | .00165  | -.0008  | .00084  | -.02622  |



Sample Name: ICB01      Acquired: 3/28/2019 12:32:12      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8418 |
| Stddev | 1.0132   |
| %RSD   | 55.013   |

|    |        |
|----|--------|
| #1 | .99238 |
| #2 | 2.9633 |
| #3 | 1.5698 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3530.1 | 40700. | 3193.0 | 43.933 | 4087.4 |
| Stddev    | 9.2    | 238.   | 29.8   | 1.757  | 5.0    |
| %RSD      | .26085 | .58458 | .93238 | 3.9997 | .12161 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3540.7 | 40570. | 3159.3 | 42.000 | 4089.8 |
| #2 | 3524.8 | 40556. | 3215.7 | 45.433 | 4090.6 |
| #3 | 3524.7 | 40975. | 3204.1 | 44.367 | 4081.6 |

Sample Name: CRI01      Acquired: 3/28/2019 12:36:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01902 | .04279 | .00996 | .02092 | .04977 | .09166 | .10534 |
| Stddev | .00155 | .00082 | .00066 | .00262 | .00117 | .01388 | .00113 |
| %RSD   | 8.1461 | 1.9177 | 6.6028 | 12.538 | 2.3455 | 15.142 | 1.0774 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02080 | .04292 | .01061 | .02084 | .05043 | .07731 | .10611 |
| #2 | .01825 | .04192 | .00996 | .02358 | .05046 | .10501 | .10403 |
| #3 | .01801 | .04354 | .00929 | .01833 | .04842 | .09267 | .10586 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00648 | .00585 | 2.0209 | .01064 | .02918 | .02052 | .09917 |
| Stddev | .00009 | .00011 | .0226  | .00071 | .00051 | .00037 | .00049 |
| %RSD   | 1.4260 | 1.8581 | 1.1170 | 6.6410 | 1.7437 | 1.7886 | .49168 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00659 | .00583 | 2.0036 | .01023 | .02967 | .02019 | .09940 |
| #2 | .00646 | .00575 | 2.0464 | .01024 | .02866 | .02044 | .09861 |
| #3 | .00641 | .00596 | 2.0126 | .01146 | .02922 | .02091 | .09950 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02224 | 1.9097 | .04048 | .01014 | 1.9062 | .04104 | .03873 |
| Stddev | .00004 | .0684  | .00016 | .00053 | .0084  | .00044 | .00026 |
| %RSD   | .16936 | 3.5842 | .40650 | 5.1947 | .43882 | 1.0608 | .68300 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02224 | 1.8457 | .04030 | .00968 | 1.8976 | .04058 | .03846 |
| #2 | .02221 | 1.9819 | .04051 | .01072 | 1.9068 | .04108 | .03874 |
| #3 | .02228 | 1.9014 | .04062 | .01003 | 1.9143 | .04145 | .03899 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0823 | .20664 | .09924 | .01595 | .38678 | .03703 | .03950 |
| Stddev | .0262  | .00028 | .01449 | .00466 | .00255 | .00061 | .00241 |
| %RSD   | 1.2580 | .13710 | 14.599 | 29.222 | .65933 | 1.6375 | 6.0941 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1118 | .20642 | .11001 | .01888 | .38395 | .03733 | .03672 |
| #2 | 2.0737 | .20654 | .08277 | .01840 | .38888 | .03633 | .04088 |
| #3 | 2.0615 | .20696 | .10495 | .01058 | .38752 | .03743 | .04091 |

Sample Name: CRI01      Acquired: 3/28/2019 12:36:41      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01944 | .0183  | .02136 | F<.00000 | F 1.8527 |
| Stddev    | .00288 | .0016  | .00012 | .36744   | .5248    |
| %RSD      | 14.805 | 8.939  | .55631 | 77.865   | 28.329   |
| #1        | .01617 | .0175  | .02137 | -.58232  | 1.3757   |
| #2        | .02158 | .0201  | .02148 | -.77144  | 2.4150   |
| #3        | .02056 | .0171  | .02124 | -.06190  | 1.7673   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3528.6 | 40526. | 3235.9 | 44.956   | 4053.0   |
| Stddev    | 9.8    | 117.   | 19.7   | 1.314    | 4.9      |
| %RSD      | .27893 | .28797 | .60869 | 2.9233   | .12112   |
| #1        | 3529.2 | 40422. | 3258.5 | 46.125   | 4049.8   |
| #2        | 3538.0 | 40652. | 3226.4 | 43.533   | 4058.6   |
| #3        | 3518.4 | 40504. | 3222.6 | 45.208   | 4050.5   |

Sample Name: ICSA01      Acquired: 3/28/2019 12:41:07      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .01202  | .00740  | .00249 | -.00307 | -.00307 | 271.40 | .00320  | -.00075 |
| Stddev | .00360  | .00185  | .00162 | .00210  | .00177  | .66    | .00128  | .00022  |
| %RSD   | 29.965  | 25.007  | 65.056 | 68.175  | 57.586  | .24310 | 40.097  | 29.499  |
| #1     | .01611  | .00677  | .00337 | -.00506 | -.00485 | 270.79 | .00455  | -.00096 |
| #2     | .00930  | .00594  | .00349 | -.00088 | -.00132 | 272.10 | .00306  | -.00052 |
| #3     | .01066  | .00948  | .00062 | -.00328 | -.00303 | 271.32 | .00200  | -.00078 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00065 | 241.85  | .04616 | -.00041 | .01581  | 94.424 | .01425  | 269.50  |
| Stddev | .00014  | 2.76    | .00032 | .00028  | .00056  | .378   | .00007  | 1.18    |
| %RSD   | 21.739  | 1.1408  | .69996 | 68.266  | 3.5667  | .40006 | .47193  | .43763  |
| #1     | -.00081 | 238.71  | .04579 | -.00009 | .01561  | 94.479 | .01433  | 268.80  |
| #2     | -.00057 | 242.93  | .04637 | -.00055 | .01537  | 94.771 | .01423  | 268.84  |
| #3     | -.00055 | 243.91  | .04633 | -.00060 | .01644  | 94.021 | .01421  | 270.86  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.02150 | .00829  | .01425 | .00173  | -.01383 | .02609 | -.00140 | .00503  |
| Stddev | .00043  | .00044  | .01863 | .00047  | .00017  | .02501 | .00018  | .01634  |
| %RSD   | 1.9941  | 5.3260  | 130.74 | 27.305  | 1.2539  | 95.864 | 12.861  | 324.89  |
| #1     | -.02145 | .00878  | .00082 | .00169  | -.01402 | .05457 | -.00134 | -.01384 |
| #2     | -.02109 | .00819  | .00640 | .00222  | -.01371 | .01605 | -.00160 | .01474  |
| #3     | -.02195 | .00791  | .03551 | .00128  | -.01375 | .00766 | -.00126 | .01419  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .01220  | -.00433 | .00628 | .00378  | .01586  | .0184  | .00021  | 3.1957  |
| Stddev | .00551  | .00093  | .00091 | .00110  | .00195  | .0012  | .00092  | .2678   |
| %RSD   | 45.156  | 21.450  | 14.459 | 29.160  | 12.320  | 6.477  | 434.36  | 8.3806  |
| #1     | .01055  | -.00448 | .00601 | .00266  | .01361  | .0195  | -.00026 | 3.2394  |
| #2     | .00771  | -.00334 | .00729 | .00381  | .01705  | .0185  | -.00037 | 3.4391  |
| #3     | .01835  | -.00518 | .00553 | .00487  | .01692  | .0171  | .00127  | 2.9088  |

Sample Name: ICSA01      Acquired: 3/28/2019 12:41:07      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .56421  |
| %RSD   | .51437  |

|    |         |
|----|---------|
| #1 | -109.12 |
| #2 | -110.25 |
| #3 | -109.71 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3177.6 | 36894. | 3174.6 | 40.984 | 3285.1 |
| Stddev    | 6.1    | 71.    | 27.6   | 1.398  | 4.1    |
| %RSD      | .19052 | .19344 | .86887 | 3.4107 | .12351 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3177.3 | 36839. | 3206.4 | 41.111 | 3288.4 |
| #2 | 3183.8 | 36868. | 3161.0 | 39.527 | 3286.3 |
| #3 | 3171.7 | 36975. | 3156.5 | 42.314 | 3280.6 |

Sample Name: ICSAB01      Acquired: 3/28/2019 13:03:01      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .11629 | .11282 | .05873 | .04471 | .63420 | 279.20 | .57173 | .55104 |
| Stddev | .00115 | .00145 | .00180 | .00413 | .00207 | .66    | .00434 | .00149 |
| %RSD   | .98513 | 1.2850 | 3.0582 | 9.2417 | .32670 | .23525 | .75828 | .27107 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11508 | .11184 | .05806 | .04187 | .63188 | 278.71 | .57459 | .54972 |
| #2 | .11643 | .11448 | .06077 | .04945 | .63486 | 279.94 | .57386 | .55266 |
| #3 | .11736 | .11213 | .05737 | .04281 | .63587 | 278.95 | .56674 | .55075 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0024 | 241.60 | .55460 | .50638 | .52426 | 94.631 | .53646 | 273.70 |
| Stddev | .0019  | .31    | .00113 | .00076 | .00064 | .070   | .00054 | .25    |
| %RSD   | .19100 | .12954 | .20381 | .15067 | .12221 | .07365 | .10063 | .09098 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0029 | 241.27 | .55580 | .50560 | .52470 | 94.551 | .53676 | 273.98 |
| #2 | 1.0041 | 241.63 | .55355 | .50712 | .52352 | 94.662 | .53677 | 273.50 |
| #3 | 1.0003 | 241.89 | .55445 | .50643 | .52455 | 94.680 | .53583 | 273.62 |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .98709 | .20162 | .05425 | .52268 | 1.0748 | -.00855 | 1.0221 | 1.1340 |
| Stddev | .00044 | .00083 | .00706 | .00144 | .0030  | .04291  | .0025  | .0309  |
| %RSD   | .04451 | .41245 | 13.006 | .27547 | .27888 | 502.01  | .24544 | 2.7227 |

|    |        |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|--------|---------|--------|--------|
| #1 | .98747 | .20244 | .06176 | .52352 | 1.0748 | -.02822 | 1.0197 | 1.1515 |
| #2 | .98720 | .20078 | .04776 | .52351 | 1.0778 | .04067  | 1.0220 | 1.1522 |
| #3 | .98661 | .20162 | .05321 | .52102 | 1.0718 | -.03809 | 1.0247 | 1.0984 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .85157 | .91980 | 1.0231 | .98431 | .90489 | .8143  | .80154 | 5.3586 |
| Stddev | .00919 | .00319 | .0021  | .00253 | .00063 | .0011  | .00101 | .0679  |
| %RSD   | 1.0787 | .34647 | .20006 | .25667 | .06953 | .1320  | .12624 | 1.2677 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .85060 | .92260 | 1.0208 | .98153 | .90422 | .8131 | .80219 | 5.3876 |
| #2 | .84291 | .91633 | 1.0238 | .98646 | .90547 | .8148 | .80206 | 5.2810 |
| #3 | .86120 | .92048 | 1.0247 | .98494 | .90498 | .8150 | .80037 | 5.4073 |

Sample Name: ICSAB01      Acquired: 3/28/2019 13:03:01      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 1.4888  |
| %RSD   | 1.4224  |

|    |         |
|----|---------|
| #1 | -103.13 |
| #2 | -104.77 |
| #3 | -106.10 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3058.2 | 35175. | 3081.1 | 39.832 | 3174.3 |
| Stddev    | 5.4    | 86.    | 1.9    | .490   | 11.8   |
| %RSD      | .17676 | .24356 | .06276 | 1.2303 | .37202 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3053.3 | 35127. | 3082.7 | 39.926 | 3167.1 |
| #2 | 3057.1 | 35124. | 3081.6 | 40.268 | 3167.9 |
| #3 | 3064.0 | 35274. | 3078.9 | 39.301 | 3187.9 |

Sample Name: CCV01      Acquired: 3/28/2019 13:07:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1766 | 4.9846 | 5.0324 | 5.0985 | 5.1141 | 10.357 | 10.484 | .25701   |
| Stddev | .0121  | .0235  | .0126  | .0069  | .0037  | .048   | .027   | .00028   |
| %RSD   | .23461 | .47126 | .24952 | .13487 | .07159 | .46370 | .25834 | .10994   |
| #1     | 5.1854 | 5.0024 | 5.0392 | 5.0927 | 5.1167 | 10.333 | 10.511 | .25730   |
| #2     | 5.1817 | 4.9934 | 5.0401 | 5.1061 | 5.1157 | 10.412 | 10.482 | .25698   |
| #3     | 5.1627 | 4.9580 | 5.0179 | 5.0967 | 5.1099 | 10.326 | 10.457 | .25674   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4958 | 24.686 | .99144 | 2.4952 | 1.3006 | 4.9145 | 2.5526 | 25.379   |
| Stddev | .0061  | .070   | .00179 | .0069  | .0029  | .0029  | .0030  | .246     |
| %RSD   | .24613 | .28426 | .18047 | .27547 | .22293 | .05968 | .11887 | .96950   |
| #1     | 2.4997 | 24.677 | .99299 | 2.5003 | 1.3039 | 4.9130 | 2.5522 | 25.470   |
| #2     | 2.4990 | 24.621 | .98948 | 2.4979 | 1.2996 | 4.9127 | 2.5498 | 25.567   |
| #3     | 2.4887 | 24.761 | .99185 | 2.4873 | 1.2983 | 4.9179 | 2.5559 | 25.101   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5167 | 1.2566 | 24.987 | 2.5320 | 2.5216 | 25.879 | 5.1119 | 5.2838   |
| Stddev | .0048  | .0041  | .052   | .0044  | .0083  | .042   | .0034  | .0301    |
| %RSD   | .19050 | .32887 | .20720 | .17542 | .32874 | .16277 | .06735 | .57016   |
| #1     | 2.5204 | 1.2603 | 25.030 | 2.5366 | 2.5291 | 25.881 | 5.1154 | 5.2500   |
| #2     | 2.5184 | 1.2573 | 25.002 | 2.5278 | 2.5229 | 25.920 | 5.1086 | 5.3078   |
| #3     | 2.5113 | 1.2521 | 24.930 | 2.5315 | 2.5127 | 25.836 | 5.1115 | 5.2935   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0261 | 4.9801 | 4.9744 | 5.0683 | 4.9573 | 4.913  | 5.1309 | F 3.0165 |
| Stddev | .0056  | .0433  | .0169  | .0284  | .0336  | .013   | .0280  | .1133    |
| %RSD   | .11138 | .86986 | .33959 | .55969 | .67708 | .2722  | .54594 | 3.7562   |
| #1     | 5.0207 | 4.9741 | 4.9880 | 5.0637 | 4.9618 | 4.927  | 5.1429 | 3.1472   |
| #2     | 5.0319 | 4.9400 | 4.9798 | 5.0425 | 4.9217 | 4.901  | 5.0989 | 2.9566   |
| #3     | 5.0256 | 5.0261 | 4.9555 | 5.0987 | 4.9884 | 4.912  | 5.1510 | 2.9457   |



Sample Name: CCV01      Acquired: 3/28/2019 13:07:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.4675 |
| Stddev | .3781    |
| %RSD   | 10.904   |

|    |        |
|----|--------|
| #1 | 3.7689 |
| #2 | 3.5903 |
| #3 | 3.0432 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3327.1 | 38258. | 3197.2 | 42.647 | 3580.2 |
| Stddev    | 8.0    | 94.    | 26.8   | .977   | 13.4   |
| %RSD      | .24078 | .24515 | .83724 | 2.2920 | .37409 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3317.9 | 38163. | 3192.3 | 41.534 | 3565.8 |
| #2 | 3332.6 | 38351. | 3226.0 | 43.362 | 3582.5 |
| #3 | 3330.8 | 38260. | 3173.2 | 43.046 | 3592.3 |

Sample Name: LLCCV01      Acquired: 3/28/2019 13:18:24      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02302 | .04390 | .01119 | .01966 | .05277 | .10321 | .10952 | .00674   |
| Stddev | .00137 | .00144 | .00072 | .00506 | .00113 | .01929 | .00159 | .00006   |
| %RSD   | 5.9402 | 3.2864 | 6.4528 | 25.743 | 2.1407 | 18.686 | 1.4515 | .92421   |
| #1     | .02350 | .04302 | .01202 | .02545 | .05393 | .09026 | .10775 | .00680   |
| #2     | .02408 | .04311 | .01075 | .01611 | .05167 | .09400 | .10999 | .00674   |
| #3     | .02148 | .04556 | .01078 | .01741 | .05271 | .12538 | .11082 | .00668   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00598 | 2.1002 | .01127 | .02994 | .02254 | .10005 | .02303 | 2.0596   |
| Stddev | .00006 | .0243  | .00043 | .00016 | .00020 | .00092 | .00009 | .0275    |
| %RSD   | .97980 | 1.1545 | 3.7758 | .54697 | .89937 | .92362 | .41099 | 1.3362   |
| #1     | .00601 | 2.0749 | .01166 | .02976 | .02270 | .10001 | .02305 | 2.0737   |
| #2     | .00602 | 2.1233 | .01133 | .03008 | .02260 | .10099 | .02311 | 2.0773   |
| #3     | .00592 | 2.1022 | .01082 | .02998 | .02231 | .09914 | .02293 | 2.0279   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04157 | .01072 | 1.9915 | .04280 | .04010 | 2.1762 | .21393 | .09947   |
| Stddev | .00036 | .00010 | .0148  | .00049 | .00016 | .0245  | .00051 | .00251   |
| %RSD   | .87674 | .90657 | .74191 | 1.1477 | .40242 | 1.1245 | .24035 | 2.5213   |
| #1     | .04170 | .01083 | 1.9984 | .04323 | .04007 | 2.1900 | .21439 | .09786   |
| #2     | .04116 | .01065 | 2.0016 | .04290 | .03996 | 2.1479 | .21338 | .09819   |
| #3     | .04185 | .01069 | 1.9746 | .04227 | .04028 | 2.1907 | .21402 | .10236   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01994 | .39221 | .03868 | .04214 | .02202 | .0178  | .02205 | F 1.6506 |
| Stddev | .00308 | .00261 | .00074 | .00457 | .00160 | .0016  | .00028 | .3990    |
| %RSD   | 15.454 | .66660 | 1.9205 | 10.850 | 7.2546 | 9.013  | 1.2721 | 24.175   |
| #1     | .02305 | .39005 | .03898 | .04524 | .02363 | .0176  | .02228 | 1.7146   |
| #2     | .01689 | .39512 | .03923 | .04429 | .02200 | .0194  | .02213 | 1.2234   |
| #3     | .01989 | .39146 | .03784 | .03689 | .02044 | .0162  | .02174 | 2.0137   |

Sample Name: LLCCV01      Acquired: 3/28/2019 13:18:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.7772  
Stddev      .9795  
%RSD      55.117

#1      2.8360  
#2      1.5919  
#3      .90347

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3396.0 | 38818. | 3174.0 | 44.331 | 3925.6 |
| Stddev    | 7.9    | 138.   | 7.8    | .702   | 6.6    |
| %RSD      | .23293 | .35567 | .24652 | 1.5836 | .16766 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3401.4 | 38753. | 3167.4 | 43.600 | 3920.7 |
| #2 | 3386.9 | 38977. | 3171.9 | 44.392 | 3922.9 |
| #3 | 3399.7 | 38725. | 3182.7 | 45.000 | 3933.0 |

Sample Name: CCB01      Acquired: 3/28/2019 13:22:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00267  | .00069  | -.00167 | .00336  | -.00067 | -.00755 | -.00164 | .00000   |
| Stddev | .00140  | .00066  | .00037  | .00008  | .00095  | .00535  | .00061  | .00001   |
| %RSD   | 52.598  | 96.089  | 21.999  | 2.3349  | 142.36  | 70.816  | 37.463  | 335.29   |
| #1     | .00128  | .00070  | -.00131 | .00345  | -.00000 | -.01268 | -.00217 | -.00001  |
| #2     | .00408  | .00002  | -.00205 | .00333  | -.00176 | -.00201 | -.00177 | .00002   |
| #3     | .00263  | .00134  | -.00165 | .00330  | -.00025 | -.00796 | -.00097 | .00000   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00010 | -.01861 | .00009  | .00019  | -.00067 | -.00482 | .00002  | .00325   |
| Stddev | .00004  | .01367  | .00037  | .00000  | .00033  | .00097  | .00004  | .07993   |
| %RSD   | 36.872  | 73.472  | 391.08  | .92429  | 49.018  | 20.041  | 207.98  | 2462.6   |
| #1     | -.00006 | -.03356 | .00052  | .00019  | -.00091 | -.00522 | -.00000 | .03683   |
| #2     | -.00014 | -.01553 | -.00014 | .00019  | -.00080 | -.00552 | .00007  | .06091   |
| #3     | -.00010 | -.00674 | -.00010 | .00018  | -.00030 | -.00372 | -.00001 | -.08799  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00020  | .00003  | -.09770 | -.00005 | .00045  | .05856  | -.00005 | -.00044  |
| Stddev | .00024  | .00109  | .01202  | .00017  | .00005  | .02442  | .00024  | .01839   |
| %RSD   | 122.84  | 3745.4  | 12.299  | 341.93  | 11.381  | 41.708  | 481.44  | 4139.6   |
| #1     | .00004  | -.00122 | -.11139 | -.00020 | .00039  | .08561  | -.00020 | .00922   |
| #2     | .00007  | .00059  | -.08891 | -.00008 | .00048  | .03811  | .00023  | -.02166  |
| #3     | .00048  | .00072  | -.09281 | .00013  | .00048  | .05197  | -.00017 | .01110   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00186 | .00185  | -.00031 | .00451  | -.00132 | -.0022  | .00062  | F 2.2096 |
| Stddev | .00040  | .00251  | .00107  | .00256  | .00096  | .0013   | .00020  | .4917    |
| %RSD   | 21.638  | 135.56  | 347.33  | 56.676  | 72.879  | 59.21   | 31.403  | 22.252   |
| #1     | -.00232 | .00433  | -.00143 | .00682  | -.00198 | -.0010  | .00043  | 2.5531   |
| #2     | -.00158 | -.00070 | .00070  | .00177  | -.00022 | -.0021  | .00082  | 2.4292   |
| #3     | -.00168 | .00193  | -.00019 | .00494  | -.00176 | -.0036  | .00061  | 1.6464   |

Sample Name: CCB01      Acquired: 3/28/2019 13:22:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.7696 |
| Stddev | 1.8921   |
| %RSD   | 106.92   |

|    |         |
|----|---------|
| #1 | 2.4085  |
| #2 | 3.2596  |
| #3 | -.35928 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3391.7 | 38605. | 3171.5 | 44.547 | 3925.3 |
| Stddev    | 4.2    | 96.    | 15.2   | .660   | 2.8    |
| %RSD      | .12444 | .24848 | .48067 | 1.4818 | .07083 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3395.8 | 38495. | 3170.3 | 43.917 | 3927.4 |
| #2 | 3387.4 | 38672. | 3187.3 | 44.492 | 3926.3 |
| #3 | 3392.0 | 38648. | 3156.8 | 45.233 | 3922.1 |

Sample Name: K1560-01      Acquired: 3/28/2019 13:26:58      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 1/2 RL      Custom ID2:      Custom ID3:  
Comment: LOD SOIL

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00535 | .01240 | .00201 | .00748 | .01327 | .01349 | .02756 | .00179 | .00145 |
| Stddev | .00213 | .00079 | .00035 | .00237 | .00053 | .01288 | .00110 | .00004 | .00002 |
| %RSD   | 39.702 | 6.3843 | 17.406 | 31.675 | 4.0084 | 95.493 | 3.9908 | 2.3544 | 1.5865 |
| #1     | .00745 | .01331 | .00179 | .00500 | .01317 | .00609 | .02811 | .00176 | .00145 |
| #2     | .00320 | .01186 | .00182 | .00973 | .01279 | .02837 | .02629 | .00177 | .00143 |
| #3     | .00541 | .01203 | .00241 | .00772 | .01384 | .00602 | .02828 | .00184 | .00147 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52705 | .00359 | .00777 | .00555 | .02434 | .00607 | .42772 | .01078 | .00282 |
| Stddev | .00848 | .00050 | .00010 | .00007 | .00104 | .00009 | .06847 | .00040 | .00045 |
| %RSD   | 1.6094 | 13.880 | 1.2487 | 1.2849 | 4.2839 | 1.4933 | 16.007 | 3.7404 | 15.899 |
| #1     | .53679 | .00306 | .00788 | .00559 | .02520 | .00605 | .45391 | .01101 | .00267 |
| #2     | .52305 | .00405 | .00769 | .00560 | .02318 | .00617 | .47922 | .01100 | .00333 |
| #3     | .52130 | .00366 | .00775 | .00547 | .02462 | .00600 | .35002 | .01031 | .00247 |
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42796 | .01088 | .01072 | .55632 | .05461 | .05425 | .00464 | .10861 | .00926 |
| Stddev | .00500 | .00028 | .00004 | .07651 | .00028 | .01049 | .00239 | .00121 | .00074 |
| %RSD   | 1.1674 | 2.5657 | .32882 | 13.752 | .50775 | 19.334 | 51.496 | 1.1165 | 8.0095 |
| #1     | .42251 | .01116 | .01068 | .61663 | .05464 | .05741 | .00345 | .10736 | .00963 |
| #2     | .42904 | .01060 | .01074 | .58207 | .05432 | .04254 | .00739 | .10870 | .00975 |
| #3     | .43233 | .01090 | .01075 | .47026 | .05487 | .06280 | .00308 | .10978 | .00841 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .01792 | .00652 | .0048  | .00554 | 2.5678 | 1.8709 |        |        |        |
| Stddev | .00020 | .00171 | .0023  | .00016 | .3307  | .8321  |        |        |        |
| %RSD   | 1.1270 | 26.159 | 48.00  | 2.8857 | 12.879 | 44.479 |        |        |        |
| #1     | .01782 | .00581 | .0074  | .00536 | 2.2462 | 2.5331 |        |        |        |
| #2     | .01779 | .00528 | .0041  | .00561 | 2.9069 | .93681 |        |        |        |
| #3     | .01815 | .00847 | .0030  | .00566 | 2.5504 | 2.1427 |        |        |        |

Sample Name: K1560-01      Acquired: 3/28/2019 13:26:58      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 1/2 RL      Custom ID2:      Custom ID3:  
 Comment: LOD SOIL

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3342.2 | 37834. | 3082.5 | 42.819 | 3854.0 |
| Stddev    | 6.9    | 53.    | 33.5   | .670   | 8.3    |
| %RSD      | .20793 | .14003 | 1.0861 | 1.5657 | .21651 |
| #1        | 3335.2 | 37789. | 3119.7 | 42.250 | 3847.9 |
| #2        | 3342.4 | 37892. | 3054.9 | 43.558 | 3850.7 |
| #3        | 3349.1 | 37820. | 3072.7 | 42.650 | 3863.5 |

Sample Name: K1560-02      Acquired: 3/28/2019 13:31:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: LOQ

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04242 | .08282 | .02326 | .04371 | .10407 | .21606 | .21396 | .01299 | .01162 |
| Stddev | .00178 | .00183 | .00018 | .00240 | .00263 | .02413 | .00247 | .00007 | .00008 |
| %RSD   | 4.2026 | 2.2098 | .78533 | 5.4947 | 2.5225 | 11.170 | 1.1545 | .54036 | .71492 |
| #1     | .04124 | .08361 | .02321 | .04094 | .10137 | .24270 | .21549 | .01295 | .01166 |
| #2     | .04155 | .08072 | .02346 | .04489 | .10661 | .19566 | .21111 | .01307 | .01153 |
| #3     | .04447 | .08411 | .02310 | .04529 | .10424 | .20983 | .21528 | .01294 | .01168 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.0431 | .02126 | .05808 | .04414 | .20007 | .04454 | 3.9861 | .07967 | .02042 |
| Stddev | .0400  | .00028 | .00029 | .00049 | .00090 | .00028 | .0658  | .00019 | .00019 |
| %RSD   | .98898 | 1.3121 | .50509 | 1.1084 | .44858 | .62773 | 1.6508 | .23396 | .94759 |
| #1     | 4.0893 | .02111 | .05801 | .04367 | .19953 | .04422 | 3.9954 | .07947 | .02028 |
| #2     | 4.0194 | .02158 | .05783 | .04465 | .19958 | .04464 | 3.9162 | .07969 | .02033 |
| #3     | 4.0207 | .02108 | .05840 | .04410 | .20111 | .04475 | 4.0468 | .07984 | .02064 |
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8944 | .08214 | .07780 | 4.1100 | .41535 | .19851 | .03317 | .75987 | .07327 |
| Stddev | .0295  | .00020 | .00017 | .0225  | .00080 | .01595 | .00269 | .00927 | .00087 |
| %RSD   | .75855 | .24880 | .22001 | .54733 | .19147 | 8.0363 | 8.1197 | 1.2200 | 1.1845 |
| #1     | 3.9255 | .08199 | .07762 | 4.1355 | .41609 | .18650 | .03234 | .74983 | .07284 |
| #2     | 3.8667 | .08237 | .07782 | 4.0927 | .41547 | .21661 | .03619 | .76810 | .07270 |
| #3     | 3.8909 | .08206 | .07796 | 4.1019 | .41451 | .19241 | .03100 | .76168 | .07427 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .08641 | .03909 | .0369  | .04126 | 3.3116 | 2.5675 |        |        |        |
| Stddev | .00261 | .00081 | .0001  | .00009 | .1036  | .3226  |        |        |        |
| %RSD   | 3.0167 | 2.0813 | .2988  | .22246 | 3.1283 | 12.564 |        |        |        |
| #1     | .08850 | .03948 | .0371  | .04116 | 3.2391 | 2.2812 |        |        |        |
| #2     | .08349 | .03964 | .0369  | .04129 | 3.2655 | 2.9170 |        |        |        |
| #3     | .08725 | .03816 | .0369  | .04133 | 3.4303 | 2.5043 |        |        |        |



Sample Name: K1560-02      Acquired: 3/28/2019 13:31:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment: LOQ

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3292.7 | 37430. | 3051.3 | 43.358 | 3793.3 |
| Stddev    | 12.1   | 101.   | 17.1   | 2.421  | 12.7   |
| %RSD      | .36817 | .27111 | .55965 | 5.5829 | .33555 |
| #1        | 3278.8 | 37346. | 3052.2 | 46.150 | 3787.9 |
| #2        | 3298.3 | 37543. | 3033.8 | 42.083 | 3807.8 |
| #3        | 3301.1 | 37401. | 3068.0 | 41.842 | 3784.2 |

Sample Name: K1560-01      Acquired: 3/28/2019 13:35:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 3/4 RL      Custom ID2:      Custom ID3:  
Comment: LOD SOIL

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00883 | .01689 | .00365 | .00999 | .01838 | .02614 | .04046 | .00255 | .00230 |
| Stddev | .00127 | .00091 | .00074 | .00142 | .00111 | .01521 | .00094 | .00013 | .00006 |
| %RSD   | 14.383 | 5.3697 | 20.372 | 14.236 | 6.0447 | 58.195 | 2.3343 | 5.0714 | 2.5583 |
| #1     | .00861 | .01661 | .00440 | .00907 | .01710 | .03600 | .03967 | .00262 | .00223 |
| #2     | .01020 | .01791 | .00292 | .01163 | .01909 | .00862 | .04020 | .00263 | .00232 |
| #3     | .00769 | .01616 | .00362 | .00927 | .01896 | .03380 | .04151 | .00240 | .00234 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77894 | .00431 | .01136 | .00837 | .03666 | .00885 | .73013 | .01575 | .00385 |
| Stddev | .00451 | .00074 | .00008 | .00005 | .00039 | .00003 | .06784 | .00032 | .00021 |
| %RSD   | .57913 | 17.189 | .69738 | .55148 | 1.0747 | .28271 | 9.2917 | 2.0334 | 5.3373 |
| #1     | .77557 | .00346 | .01131 | .00840 | .03646 | .00884 | .67141 | .01538 | .00383 |
| #2     | .77720 | .00465 | .01145 | .00840 | .03711 | .00888 | .71458 | .01598 | .00406 |
| #3     | .78407 | .00482 | .01131 | .00832 | .03641 | .00884 | .80439 | .01588 | .00365 |
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .67401 | .01633 | .01591 | .79933 | .08101 | .05457 | .00656 | .15820 | .01331 |
| Stddev | .01796 | .00070 | .00012 | .01766 | .00021 | .00592 | .00574 | .00143 | .00032 |
| %RSD   | 2.6640 | 4.3151 | .75854 | 2.2089 | .25609 | 10.852 | 87.627 | .90451 | 2.4239 |
| #1     | .65329 | .01598 | .01591 | .81899 | .08121 | .04774 | .00070 | .15782 | .01333 |
| #2     | .68506 | .01714 | .01602 | .78483 | .08104 | .05825 | .01218 | .15700 | .01297 |
| #3     | .68368 | .01587 | .01578 | .79416 | .08079 | .05773 | .00679 | .15978 | .01362 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .02164 | .00749 | .0071  | .00806 | 2.4545 | 1.7920 |        |        |        |
| Stddev | .00074 | .00106 | .0004  | .00003 | .2173  | .7355  |        |        |        |
| %RSD   | 3.4204 | 14.102 | 5.342  | .31378 | 8.8532 | 41.045 |        |        |        |
| #1     | .02239 | .00679 | .0068  | .00805 | 2.5007 | 1.3536 |        |        |        |
| #2     | .02163 | .00870 | .0070  | .00809 | 2.2178 | 1.3812 |        |        |        |
| #3     | .02091 | .00698 | .0075  | .00805 | 2.6450 | 2.6412 |        |        |        |

Sample Name: K1560-01      Acquired: 3/28/2019 13:35:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 3/4 RL      Custom ID2:      Custom ID3:  
Comment: LOD SOIL

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3344.9 | 37800. | 3076.2 | 43.469 | 3856.7 |
| Stddev    | 8.9    | 134.   | 10.3   | 1.832  | 4.7    |
| %RSD      | .26612 | .35436 | .33413 | 4.2151 | .12067 |
| #1        | 3335.7 | 37729. | 3068.2 | 45.517 | 3856.2 |
| #2        | 3353.4 | 37955. | 3087.8 | 41.983 | 3852.4 |
| #3        | 3345.7 | 37717. | 3072.5 | 42.908 | 3861.6 |

Sample Name: K1560-07      Acquired: 3/28/2019 13:40:20      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00654 | .01171 | .00143 | .00983 | .01417 | .01919 | .02710 | .00173 | .00151 |
| Stddev | .00110 | .00176 | .00058 | .00107 | .00134 | .00908 | .00169 | .00008 | .00001 |
| %RSD   | 16.899 | 15.006 | 40.430 | 10.844 | 9.4808 | 47.328 | 6.2385 | 4.3543 | .81180 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00759 | .01179 | .00077 | .01105 | .01523 | .01333 | .02796 | .00181 | .00152 |
| #2 | .00663 | .01343 | .00166 | .00909 | .01266 | .02966 | .02818 | .00172 | .00152 |
| #3 | .00539 | .00991 | .00185 | .00934 | .01463 | .01459 | .02515 | .00166 | .00150 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .52788 | .00359 | .00787 | .00493 | .02297 | .00596 | .52188 | .01057 | .00270 |
| Stddev | .02126 | .00088 | .00022 | .00021 | .00037 | .00012 | .02372 | .00018 | .00031 |
| %RSD   | 4.0267 | 24.397 | 2.8005 | 4.2520 | 1.6035 | 1.9382 | 4.5450 | 1.6851 | 11.579 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50405 | .00416 | .00779 | .00474 | .02339 | .00596 | .53001 | .01077 | .00260 |
| #2 | .54488 | .00403 | .00812 | .00490 | .02273 | .00585 | .54047 | .01043 | .00305 |
| #3 | .53472 | .00258 | .00770 | .00516 | .02278 | .00608 | .49517 | .01051 | .00245 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42416 | .01067 | .01201 | .51469 | .05437 | .01758 | .00512 | .10724 | .00849 |
| Stddev | .00694 | .00086 | .00009 | .03573 | .00044 | .00649 | .00312 | .00201 | .00059 |
| %RSD   | 1.6368 | 8.0982 | .70773 | 6.9421 | .80655 | 36.910 | 61.016 | 1.8785 | 7.0076 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .41969 | .00971 | .01196 | .47892 | .05388 | .02242 | .00621 | .10810 | .00781 |
| #2 | .43216 | .01139 | .01196 | .51477 | .05471 | .01020 | .00755 | .10867 | .00893 |
| #3 | .42063 | .01090 | .01211 | .55038 | .05452 | .02011 | .00160 | .10493 | .00871 |

|        |        |        |        |        |        |        |  |  |  |
|--------|--------|--------|--------|--------|--------|--------|--|--|--|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |  |  |  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |  |  |  |
| Avg    | .01898 | .00437 | .0056  | .00535 | 2.8599 | 1.2662 |  |  |  |
| Stddev | .00398 | .00067 | .0016  | .00011 | .1310  | .3059  |  |  |  |
| %RSD   | 20.989 | 15.307 | 28.88  | 2.0929 | 4.5802 | 24.158 |  |  |  |

|    |        |        |       |        |        |        |  |  |  |
|----|--------|--------|-------|--------|--------|--------|--|--|--|
| #1 | .02351 | .00502 | .0050 | .00548 | 2.7582 | 1.2479 |  |  |  |
| #2 | .01739 | .00442 | .0044 | .00526 | 2.8137 | 1.5808 |  |  |  |
| #3 | .01603 | .00368 | .0074 | .00531 | 3.0077 | .96989 |  |  |  |

Sample Name: K1560-07      Acquired: 3/28/2019 13:40:20      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3320.6 | 37656. | 3079.1 | 43.214 | 3835.8 |
| Stddev    | 4.7    | 74.    | 16.9   | .858   | 8.6    |
| %RSD      | .14207 | .19522 | .55011 | 1.9866 | .22462 |
| #1        | 3324.5 | 37594. | 3073.5 | 42.633 | 3838.3 |
| #2        | 3322.0 | 37635. | 3065.7 | 44.200 | 3842.9 |
| #3        | 3315.4 | 37737. | 3098.1 | 42.808 | 3826.2 |

Sample Name: K1560-07      Acquired: 3/28/2019 13:49:13      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00827 | .01637 | .00242 | .00972 | .01841 | .02550 | .03948 | .00247 | .00204 |
| Stddev | .00190 | .00067 | .00022 | .00222 | .00051 | .00378 | .00146 | .00002 | .00007 |
| %RSD   | 22.914 | 4.0719 | 8.9408 | 22.789 | 2.7799 | 14.822 | 3.6858 | .98589 | 3.4377 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01036 | .01713 | .00265 | .00754 | .01894 | .02815 | .03898 | .00249 | .00203 |
| #2 | .00780 | .01614 | .00238 | .00965 | .01792 | .02717 | .03834 | .00245 | .00212 |
| #3 | .00666 | .01585 | .00222 | .01197 | .01836 | .02117 | .04112 | .00249 | .00198 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74691 | .00415 | .01092 | .00740 | .03485 | .00846 | .75140 | .01577 | .00320 |
| Stddev | .01238 | .00028 | .00013 | .00057 | .00169 | .00010 | .02565 | .00004 | .00013 |
| %RSD   | 1.6570 | 6.7511 | 1.1700 | 7.7009 | 4.8611 | 1.1936 | 3.4142 | .24332 | 4.2120 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74659 | .00446 | .01087 | .00777 | .03668 | .00853 | .73718 | .01581 | .00333 |
| #2 | .73470 | .00405 | .01082 | .00768 | .03334 | .00850 | .73600 | .01575 | .00306 |
| #3 | .75944 | .00393 | .01106 | .00674 | .03453 | .00834 | .78101 | .01574 | .00320 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63231 | .01582 | .01519 | .78182 | .07834 | .06268 | .00537 | .15084 | .01185 |
| Stddev | .00328 | .00049 | .00012 | .04159 | .00014 | .02308 | .00169 | .00137 | .00084 |
| %RSD   | .51885 | 3.0772 | .82041 | 5.3197 | .18078 | 36.818 | 31.460 | .90902 | 7.1178 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .63470 | .01608 | .01531 | .77009 | .07847 | .07318 | .00360 | .14935 | .01281 |
| #2 | .63366 | .01612 | .01521 | .74736 | .07819 | .07865 | .00556 | .15111 | .01125 |
| #3 | .62857 | .01526 | .01506 | .82802 | .07836 | .03622 | .00696 | .15205 | .01149 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02453 | .00549 | .0059  | .00776 | 1.8588 | 2.1196 |
| Stddev | .00254 | .00058 | .0018  | .00006 | .3645  | 2.2620 |
| %RSD   | 10.338 | 10.553 | 30.60  | .71341 | 19.612 | 106.72 |

|    |        |        |       |        |        |         |
|----|--------|--------|-------|--------|--------|---------|
| #1 | .02746 | .00616 | .0040 | .00770 | 1.5640 | 3.7208  |
| #2 | .02298 | .00511 | .0076 | .00780 | 1.7459 | -.46808 |
| #3 | .02316 | .00520 | .0061 | .00778 | 2.2664 | 3.1060  |

Sample Name: K1560-07      Acquired: 3/28/2019 13:49:13      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3434.2 | 38779. | 3174.9 | 45.781 | 3983.2 |
| Stddev    | 14.7   | 103.   | 8.9    | 1.055  | 5.0    |
| %RSD      | .42736 | .26529 | .28085 | 2.3042 | .12667 |
|           |        |        |        |        |        |
| #1        | 3422.6 | 38756. | 3171.9 | 46.300 | 3977.4 |
| #2        | 3429.3 | 38689. | 3167.9 | 46.475 | 3985.9 |
| #3        | 3450.7 | 38891. | 3184.9 | 44.567 | 3986.4 |

Sample Name: K1560-08      Acquired: 3/28/2019 13:53:40      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 | Cd2265 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03980 | .07701 | .02191 | .04409 | .09772 | .20239 | .20032 | .01224 | .01104 |
| Stddev | .00317 | .00207 | .00040 | .00076 | .00148 | .01202 | .00162 | .00005 | .00006 |
| %RSD   | 7.9554 | 2.6881 | 1.8209 | 1.7230 | 1.5181 | 5.9394 | .80733 | .38807 | .54566 |
| #1     | .03615 | .07694 | .02236 | .04338 | .09610 | .20140 | .20020 | .01227 | .01097 |
| #2     | .04183 | .07912 | .02160 | .04398 | .09806 | .21487 | .20199 | .01228 | .01108 |
| #3     | .04142 | .07498 | .02177 | .04489 | .09901 | .19089 | .19876 | .01219 | .01106 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.7286 | .01948 | .05517 | .04139 | .18389 | .04186 | 3.7100 | .07621 | .01899 |
| Stddev | .0402  | .00032 | .00021 | .00030 | .00163 | .00022 | .0510  | .00068 | .00012 |
| %RSD   | 1.0784 | 1.6277 | .37506 | .73687 | .88570 | .52003 | 1.3735 | .89245 | .62108 |
| #1     | 3.6846 | .01939 | .05499 | .04117 | .18202 | .04162 | 3.7641 | .07549 | .01898 |
| #2     | 3.7380 | .01983 | .05540 | .04174 | .18500 | .04192 | 3.6629 | .07685 | .01911 |
| #3     | 3.7634 | .01922 | .05512 | .04126 | .18465 | .04204 | 3.7030 | .07629 | .01887 |
| Elem   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.6219 | .07709 | .07424 | 3.9179 | .39632 | .19071 | .03337 | .70866 | .06784 |
| Stddev | .0208  | .00029 | .00030 | .0457  | .00201 | .01001 | .00090 | .00860 | .00044 |
| %RSD   | .57425 | .37482 | .40909 | 1.1666 | .50803 | 5.2487 | 2.6985 | 1.2139 | .64301 |
| #1     | 3.6021 | .07707 | .07389 | 3.9557 | .39433 | .19055 | .03385 | .69979 | .06820 |
| #2     | 3.6436 | .07680 | .07445 | 3.8671 | .39627 | .18079 | .03393 | .70920 | .06796 |
| #3     | 3.6200 | .07738 | .07439 | 3.9308 | .39835 | .20080 | .03233 | .71697 | .06735 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .07856 | .03442 | .0334  | .03835 | 2.5025 | 1.9471 |        |        |        |
| Stddev | .00169 | .00113 | .0014  | .00057 | .3018  | .5928  |        |        |        |
| %RSD   | 2.1453 | 3.2707 | 4.116  | 1.4887 | 12.061 | 30.448 |        |        |        |
| #1     | .07664 | .03313 | .0323  | .03777 | 2.1574 | 2.4858 |        |        |        |
| #2     | .07981 | .03523 | .0329  | .03836 | 2.6325 | 2.0435 |        |        |        |
| #3     | .07923 | .03489 | .0349  | .03891 | 2.7175 | 1.3119 |        |        |        |



Sample Name: K1560-08      Acquired: 3/28/2019 13:53:40      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3395.0 | 38702. | 3188.1 | 45.158 | 3920.5 |
| Stddev    | 2.4    | 110.   | 27.3   | .777   | 5.4    |
| %RSD      | .07022 | .28479 | .85624 | 1.7196 | .13761 |
|           |        |        |        |        |        |
| #1        | 3394.6 | 38693. | 3218.4 | 45.733 | 3919.8 |
| #2        | 3397.5 | 38596. | 3180.8 | 44.275 | 3915.4 |
| #3        | 3392.8 | 38816. | 3165.3 | 45.467 | 3926.1 |

Sample Name: PB118388BL      Acquired: 3/28/2019 13:58:02      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00156 | .00093 | -.00191 | .00338 | -.00037 | -.00432 | -.00110 | .00003 |
| Stddev | .00105  | .00071 | .00031  | .00304 | .00142  | .00547  | .00098  | .00009 |
| %RSD   | 67.545  | 76.092 | 16.097  | 90.082 | 380.61  | 126.59  | 88.614  | 254.56 |

|    |         |        |         |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|---------|
| #1 | -.00168 | .00027 | -.00224 | -.00013 | -.00118 | -.01010 | -.00223 | -.00006 |
| #2 | -.00255 | .00083 | -.00188 | .00505  | -.00121 | -.00365 | -.00061 | .00011  |
| #3 | -.00045 | .00167 | -.00162 | .00522  | .00127  | .00078  | -.00047 | .00006  |

|        |         |         |        |        |         |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00008 | -.01587 | .00077 | .00001 | -.00104 | -.00371 | -.00000 | -.14996 |
| Stddev | .00003  | .00212  | .00019 | .00006 | .00033  | .00098  | .00008  | .04083  |
| %RSD   | 39.092  | 13.342  | 24.098 | 474.08 | 32.001  | 26.499  | 15085.  | 27.226  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00006 | -.01749 | .00060 | .00002  | -.00091 | -.00259 | .00008  | -.13919 |
| #2 | -.00006 | -.01347 | .00097 | .00008  | -.00080 | -.00408 | -.00007 | -.11560 |
| #3 | -.00011 | -.01663 | .00074 | -.00005 | -.00142 | -.00444 | -.00001 | -.19509 |

|        |        |         |         |         |        |         |         |        |
|--------|--------|---------|---------|---------|--------|---------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664  | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00007 | -.00053 | -.11611 | -.00014 | .00019 | -.02588 | -.00032 | .01020 |
| Stddev | .00021 | .00084  | .00938  | .00067  | .00012 | .05633  | .00013  | .00692 |
| %RSD   | 301.21 | 158.49  | 8.0776  | 466.73  | 61.096 | 217.66  | 40.638  | 67.817 |

|    |         |         |         |         |        |         |         |        |
|----|---------|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.00003 | -.00100 | -.12526 | -.00037 | .00029 | -.01663 | -.00044 | .01240 |
| #2 | .00032  | .00044  | -.11653 | .00061  | .00023 | -.08626 | -.00018 | .01576 |
| #3 | -.00007 | -.00102 | -.10652 | -.00067 | .00006 | .02526  | -.00035 | .00245 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00019 | .00147 | -.00151 | .01221 | -.00358 | -.0013 | .00012 | 2.4700 |
| Stddev | .00254 | .00124 | .00044  | .00218 | .00198  | .0010  | .00014 | .1893  |
| %RSD   | 1313.7 | 84.744 | 29.287  | 17.892 | 55.388  | 78.21  | 109.63 | 7.6644 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00296  | .00029 | -.00182 | .01202 | -.00343 | -.0016 | .00006 | 2.6816 |
| #2 | -.00204 | .00135 | -.00100 | .01448 | -.00563 | -.0020 | .00028 | 2.3167 |
| #3 | -.00034 | .00277 | -.00169 | .01012 | -.00167 | -.0001 | .00003 | 2.4117 |

Sample Name: PB118388BL      Acquired: 3/28/2019 13:58:02      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.4022 |
| Stddev | 1.1833 |
| %RSD   | 34.781 |

|    |        |
|----|--------|
| #1 | 4.1354 |
| #2 | 2.0371 |
| #3 | 4.0342 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3387.2 | 38082. | 3129.8 | 43.647 | 3950.7 |
| Stddev    | 5.9    | 94.    | 48.9   | .864   | 9.6    |
| %RSD      | .17497 | .24710 | 1.5622 | 1.9788 | .24203 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3382.5 | 38119. | 3137.9 | 43.758 | 3940.2 |
| #2 | 3385.3 | 38151. | 3077.4 | 42.733 | 3959.0 |
| #3 | 3393.9 | 37975. | 3174.2 | 44.450 | 3952.7 |

Sample Name: PB118388BS      Acquired: 3/28/2019 14:02:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77332 | 1.9067 | .95183 | 1.9242 | .76253 | 1.9930 | .20438 |
| Stddev | .00515 | .0096  | .00251 | .0080  | .00198 | .0155  | .00249 |
| %RSD   | .66651 | .50270 | .26318 | .41714 | .25911 | .77762 | 1.2169 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76923 | 1.8987 | .94898 | 1.9154 | .76083 | 1.9801 | .20590 |
| #2 | .77162 | 1.9041 | .95285 | 1.9311 | .76208 | 2.0102 | .20574 |
| #3 | .77911 | 1.9173 | .95367 | 1.9259 | .76470 | 1.9886 | .20151 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20066 | .18502 | .98430 | .39250 | .19122 | .32711 | 2.9630 |
| Stddev | .00022 | .00048 | .01470 | .00024 | .00041 | .00125 | .0046  |
| %RSD   | .11179 | .26068 | 1.4936 | .06015 | .21702 | .38174 | .15527 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20072 | .18474 | .97810 | .39258 | .19085 | .32570 | 2.9681 |
| #2 | .20085 | .18475 | .97372 | .39223 | .19167 | .32753 | 2.9593 |
| #3 | .20041 | .18558 | 1.0011 | .39268 | .19114 | .32809 | 2.9615 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20565 | 1.9039 | .48815 | .07060 | 2.8044 | .30225 | .19079 |
| Stddev | .00019 | .0643  | .00138 | .00041 | .0135  | .00145 | .00032 |
| %RSD   | .09341 | 3.3790 | .28309 | .58020 | .48235 | .48052 | .17006 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20578 | 1.9558 | .48660 | .07107 | 2.8063 | .30391 | .19042 |
| #2 | .20576 | 1.9238 | .48859 | .07030 | 2.8168 | .30124 | .19093 |
| #3 | .20543 | 1.8319 | .48925 | .07043 | 2.7900 | .30160 | .19102 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.115 | .37729 | .30709 | 8.7785 | .87213 | .61663 | .19456 |
| Stddev | .053   | .00124 | .02031 | .0244  | .01291 | .00224 | .00150 |
| %RSD   | .52025 | .32785 | 6.6146 | .27789 | 1.4808 | .36318 | .77022 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.121 | .37591 | .28431 | 8.7824 | .87481 | .61409 | .19415 |
| #2 | 10.165 | .37765 | .31365 | 8.7524 | .85808 | .61832 | .19331 |
| #3 | 10.060 | .37830 | .32332 | 8.8007 | .88349 | .61749 | .19622 |

Sample Name: PB118388BS      Acquired: 3/28/2019 14:02:29      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19373 | 5.047  | .19341 | F 3.4300 | F<.00000 |
| Stddev | .00108 | .017   | .00056 | .2323    | .74757   |
| %RSD   | .55915 | .3449  | .29016 | 6.7719   | 10.745   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19475 | 5.047 | .19405 | 3.5114 | -6.1337 |
| #2 | .19260 | 5.030 | .19300 | 3.6106 | -7.5930 |
| #3 | .19384 | 5.065 | .19319 | 3.1679 | -7.1450 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3282.1 | 37271. | 3046.3 | 43.450 | 3804.7 |
| Stddev    | 5.1    | 98.    | 20.7   | .993   | 4.8    |
| %RSD      | .15611 | .26181 | .68044 | 2.2863 | .12716 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3281.1 | 37186. | 3048.2 | 43.575 | 3801.9 |
| #2 | 3277.5 | 37251. | 3066.0 | 44.375 | 3801.9 |
| #3 | 3287.6 | 37378. | 3024.6 | 42.400 | 3810.3 |

Sample Name: PB118387BL      Acquired: 3/28/2019 14:06:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00077  | .00080  | -.00152 | .00064   | -.00099 | -.01543 | -.00145 | -.00001  |
| Stddev | .00069  | .00102  | .00069  | .00573   | .00121  | .00923  | .00142  | .00003   |
| %RSD   | 89.784  | 126.62  | 45.484  | 891.88   | 122.21  | 59.827  | 98.015  | 451.22   |
| #1     | .00093  | .00178  | -.00120 | .00725   | -.00167 | -.02588 | .00015  | .00002   |
| #2     | .00138  | -.00025 | -.00231 | -.00287  | -.00171 | -.01200 | -.00193 | -.00004  |
| #3     | .00002  | .00087  | -.00105 | -.00246  | .00041  | -.00840 | -.00256 | -.00000  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00010 | -.01976 | .00063  | .00005   | -.00127 | -.00583 | -.00012 | -.06778  |
| Stddev | .00003  | .00572  | .00047  | .00018   | .00057  | .00093  | .00007  | .04307   |
| %RSD   | 31.630  | 28.972  | 74.893  | 375.85   | 44.572  | 16.025  | 54.534  | 63.548   |
| #1     | -.00013 | -.02634 | .00013  | .00026   | -.00098 | -.00683 | -.00010 | -.07988  |
| #2     | -.00011 | -.01697 | .00107  | -.00007  | -.00193 | -.00566 | -.00020 | -.01995  |
| #3     | -.00007 | -.01597 | .00069  | -.00004  | -.00091 | -.00498 | -.00007 | -.10351  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00023  | -.00043 | -.13058 | .00050   | .00024  | .01558  | .00003  | .00770   |
| Stddev | .00026  | .00056  | .00920  | .00013   | .00015  | .03536  | .00040  | .00781   |
| %RSD   | 113.36  | 130.11  | 7.0438  | 26.600   | 62.269  | 226.97  | 1212.6  | 101.36   |
| #1     | .00049  | -.00097 | -.12687 | .00036   | .00040  | .05385  | .00043  | .00149   |
| #2     | -.00003 | -.00045 | -.14105 | .00051   | .00012  | -.01588 | -.00037 | .00515   |
| #3     | .00024  | .00014  | -.12382 | .00062   | .00019  | .00877  | .00003  | .01647   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00057  | .00142  | -.00233 | F .01051 | -.00327 | -.0015  | -.00001 | F 1.7949 |
| Stddev | .00202  | .00155  | .00066  | .00113   | .00194  | .0009   | .00005  | .3482    |
| %RSD   | 351.54  | 108.73  | 28.370  | 10.728   | 59.306  | 60.11   | 584.81  | 19.400   |
| #1     | -.00014 | .00146  | -.00275 | .01120   | -.00531 | -.0021  | .00003  | 1.4375   |
| #2     | -.00099 | -.00014 | -.00157 | .01113   | -.00146 | -.0005  | -.00007 | 2.1331   |
| #3     | .00285  | .00295  | -.00268 | .00921   | -.00302 | -.0018  | .00001  | 1.8140   |

Sample Name: PB118387BL      Acquired: 3/28/2019 14:06:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3540  
Stddev      1.4973  
%RSD      63.607

#1      3.9243  
#2      2.1953  
#3      .94236

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3399.8 | 38693. | 3191.8 | 44.567 | 3955.6 |
| Stddev    | 5.3    | 206.   | 13.4   | 1.182  | 1.5    |
| %RSD      | .15643 | .53154 | .41995 | 2.6534 | .03824 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3395.2 | 38896. | 3176.8 | 45.833 | 3956.6 |
| #2 | 3405.7 | 38698. | 3195.8 | 44.375 | 3956.3 |
| #3 | 3398.6 | 38485. | 3202.7 | 43.492 | 3953.9 |

Sample Name: PB118387BS      Acquired: 3/28/2019 14:11:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75011 | 1.8662 | .92967 | 1.8764 | .74428 | 1.9712 | .20257 |
| Stddev | .00441 | .0085  | .00231 | .0027  | .00170 | .0097  | .00090 |
| %RSD   | .58847 | .45538 | .24899 | .14664 | .22783 | .49162 | .44369 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75320 | 1.8757 | .93162 | 1.8795 | .74251 | 1.9675 | .20155 |
| #2 | .74505 | 1.8635 | .92711 | 1.8754 | .74442 | 1.9639 | .20296 |
| #3 | .75206 | 1.8594 | .93028 | 1.8743 | .74590 | 1.9822 | .20322 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19592 | .18032 | .97687 | .38205 | .18757 | .31830 | 2.9040 |
| Stddev | .00072 | .00041 | .02402 | .00132 | .00093 | .00071 | .0112  |
| %RSD   | .36800 | .22980 | 2.4589 | .34621 | .49713 | .22436 | .38681 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19524 | .18053 | .95417 | .38311 | .18839 | .31882 | 2.9053 |
| #2 | .19668 | .17984 | .97442 | .38057 | .18655 | .31859 | 2.8921 |
| #3 | .19585 | .18058 | 1.0020 | .38247 | .18776 | .31749 | 2.9145 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20155 | 1.9211 | .47568 | .06864 | 2.7424 | .29534 | .18627 |
| Stddev | .00087 | .1002  | .00195 | .00049 | .0112  | .00209 | .00046 |
| %RSD   | .43147 | 5.2152 | .41002 | .70764 | .40790 | .70651 | .24673 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20205 | 1.8401 | .47768 | .06811 | 2.7332 | .29338 | .18674 |
| #2 | .20055 | 1.8902 | .47556 | .06906 | 2.7392 | .29510 | .18582 |
| #3 | .20206 | 2.0332 | .47379 | .06874 | 2.7548 | .29753 | .18626 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.8213 | .36643 | .29002 | 8.3670 | .85438 | .59984 | .18869 |
| Stddev | .0413  | .00060 | .01351 | .0498  | .00118 | .00231 | .00144 |
| %RSD   | .42098 | .16246 | 4.6600 | .59502 | .13801 | .38581 | .76571 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8690 | .36624 | .30202 | 8.4181 | .85373 | .60238 | .18928 |
| #2 | 9.7983 | .36594 | .29265 | 8.3644 | .85367 | .59929 | .18705 |
| #3 | 9.7964 | .36709 | .27538 | 8.3186 | .85574 | .59785 | .18975 |



Sample Name: PB118387BS      Acquired: 3/28/2019 14:11:01      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .18964 | 4.937  | .18844 | F 3.1345 | F<.00000 |
| Stddev    | .00198 | .022   | .00088 | .2515    | .19887   |
| %RSD      | 1.0415 | .4453  | .46804 | 8.0230   | 2.9340   |
| #1        | .18736 | 4.958  | .18745 | 3.1171   | -6.9130  |
| #2        | .19079 | 4.940  | .18873 | 3.3943   | -6.5498  |
| #3        | .19077 | 4.914  | .18914 | 2.8922   | -6.8718  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3320.6 | 37481. | 3075.1 | 44.597   | 3847.1   |
| Stddev    | 5.4    | 37.    | 19.3   | 1.422    | 9.4      |
| %RSD      | .16221 | .09746 | .62823 | 3.1888   | .24352   |
| #1        | 3318.2 | 37509. | 3079.0 | 42.983   | 3836.8   |
| #2        | 3316.8 | 37494. | 3054.1 | 45.142   | 3849.3   |
| #3        | 3326.7 | 37440. | 3092.1 | 45.667   | 3855.2   |

Sample Name: CCV02      Acquired: 3/28/2019 14:37:02      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2305 | 5.0384 | 5.1391 | 5.1520 | 5.2586 | 10.721 | 10.833 | .26294 |
| Stddev | .0165  | .0065  | .0076  | .0122  | .0056  | .059   | .013   | .00017 |
| %RSD   | .31505 | .12892 | .14888 | .23695 | .10720 | .54912 | .11944 | .06609 |
| #1     | 5.2263 | 5.0329 | 5.1324 | 5.1657 | 5.2538 | 10.713 | 10.836 | .26274 |
| #2     | 5.2487 | 5.0455 | 5.1375 | 5.1479 | 5.2648 | 10.666 | 10.818 | .26305 |
| #3     | 5.2165 | 5.0367 | 5.1475 | 5.1423 | 5.2571 | 10.783 | 10.843 | .26303 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5284 | 25.127 | .99853 | 2.5394 | 1.3350 | 4.9730 | 2.6108 | 25.666 |
| Stddev | .0025  | .046   | .00160 | .0022  | .0020  | .0107  | .0041  | .260   |
| %RSD   | .09874 | .18466 | .15989 | .08590 | .15060 | .21498 | .15587 | 1.0122 |
| #1     | 2.5263 | 25.081 | .99681 | 2.5371 | 1.3336 | 4.9632 | 2.6066 | 25.509 |
| #2     | 2.5311 | 25.173 | .99882 | 2.5414 | 1.3373 | 4.9844 | 2.6147 | 25.524 |
| #3     | 2.5278 | 25.127 | .99997 | 2.5398 | 1.3341 | 4.9715 | 2.6111 | 25.966 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5692 | 1.2703 | 25.374 | 2.5962 | 2.5749 | 26.777 | 5.2323 | 5.3555 |
| Stddev | .0028  | .0014  | .057   | .0030  | .0034  | .042   | .0066  | .0149  |
| %RSD   | .10743 | .11277 | .22484 | .11624 | .13108 | .15511 | .12690 | .27728 |
| #1     | 2.5667 | 1.2702 | 25.326 | 2.5938 | 2.5710 | 26.743 | 5.2277 | 5.3682 |
| #2     | 2.5721 | 1.2689 | 25.358 | 2.5996 | 2.5771 | 26.765 | 5.2399 | 5.3392 |
| #3     | 2.5687 | 1.2718 | 25.437 | 2.5952 | 2.5766 | 26.823 | 5.2291 | 5.3592 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1590 | 5.1670 | 5.0280 | 5.1030 | 5.0918 | 5.002  | 5.2838 | 5.0964 |
| Stddev | .0164  | .0162  | .0089  | .0125  | .0109  | .011   | .0129  | .2711  |
| %RSD   | .31699 | .31260 | .17730 | .24408 | .21420 | .2188  | .24431 | 5.3203 |
| #1     | 5.1727 | 5.1573 | 5.0199 | 5.1114 | 5.0831 | 5.014  | 5.2690 | 5.3978 |
| #2     | 5.1409 | 5.1857 | 5.0375 | 5.0887 | 5.1040 | 5.000  | 5.2928 | 4.8724 |
| #3     | 5.1633 | 5.1581 | 5.0265 | 5.1089 | 5.0883 | 4.992  | 5.2895 | 5.0190 |

Sample Name: CCV02      Acquired: 3/28/2019 14:37:02      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.8199 |
| Stddev | 1.4126   |
| %RSD   | 36.980   |

|    |        |
|----|--------|
| #1 | 4.2131 |
| #2 | 4.9943 |
| #3 | 2.2524 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3176.4 | 36092. | 3027.1 | 40.990 | 3442.3 |
| Stddev    | 7.8    | 73.    | 16.4   | .683   | 4.9    |
| %RSD      | .24661 | .20125 | .54097 | 1.6672 | .14368 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3169.9 | 36035. | 3021.2 | 41.018 | 3439.2 |
| #2 | 3174.1 | 36066. | 3014.5 | 40.292 | 3439.7 |
| #3 | 3185.1 | 36174. | 3045.6 | 41.658 | 3448.0 |

Sample Name: CCB02      Acquired: 3/28/2019 14:40:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00366  | .00151  | -.00111 | .00253   | -.00128 | -.00868 | -.00141 | -.00000  |
| Stddev | .00501  | .00047  | .00058  | .00215   | .00195  | .00877  | .00140  | .00004   |
| %RSD   | 136.85  | 31.483  | 52.143  | 84.881   | 151.91  | 101.03  | 99.478  | 1032.1   |
| #1     | -.00116 | .00134  | -.00051 | .00466   | -.00233 | .00143  | -.00235 | -.00005  |
| #2     | .00883  | .00113  | -.00166 | .00255   | .00096  | -.01426 | -.00209 | .00001   |
| #3     | .00331  | .00204  | -.00116 | .00037   | -.00248 | -.01321 | .00020  | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002 | -.03044 | .00040  | .00011   | -.00164 | -.00532 | -.00013 | -.09355  |
| Stddev | .00005  | .01319  | .00023  | .00014   | .00035  | .00102  | .00004  | .05263   |
| %RSD   | 204.31  | 43.326  | 57.452  | 132.17   | 21.410  | 19.120  | 34.748  | 56.260   |
| #1     | -.00007 | -.01968 | .00015  | -.00002  | -.00200 | -.00584 | -.00008 | -.05652  |
| #2     | -.00002 | -.02649 | .00061  | .00008   | -.00161 | -.00415 | -.00017 | -.07033  |
| #3     | .00002  | -.04516 | .00045  | .00025   | -.00130 | -.00598 | -.00013 | -.15380  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00045  | -.00033 | -.10269 | .00011   | .00051  | -.05858 | .00041  | .01194   |
| Stddev | .00149  | .00073  | .01880  | .00030   | .00004  | .03453  | .00018  | .04504   |
| %RSD   | 335.26  | 218.85  | 18.309  | 268.55   | 7.1657  | 58.942  | 44.173  | 377.36   |
| #1     | .00210  | -.00067 | -.12106 | .00006   | .00052  | -.06701 | .00060  | .06321   |
| #2     | .00004  | -.00083 | -.10351 | .00043   | .00047  | -.08811 | .00039  | -.02126  |
| #3     | -.00080 | .00050  | -.08349 | -.00016  | .00054  | -.02062 | .00024  | -.00614  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00288  | .00655  | .00183  | F .01038 | .00172  | .0008   | .00020  | F 3.6300 |
| Stddev | .00395  | .00203  | .00106  | .00145   | .00169  | .0012   | .00004  | .3171    |
| %RSD   | 137.20  | 30.974  | 57.992  | 14.010   | 98.574  | 157.3   | 18.042  | 8.7352   |
| #1     | .00056  | .00680  | .00296  | .01116   | .00303  | -.0004  | .00018  | 3.6628   |
| #2     | .00063  | .00845  | .00168  | .01128   | .00231  | .0008   | .00024  | 3.9293   |
| #3     | .00744  | .00441  | .00085  | .00870   | -.00019 | .0020   | .00018  | 3.2977   |

Sample Name: CCB02      Acquired: 3/28/2019 14:40:59      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 2.5459  
 Stddev      .5801  
 %RSD      22.784

#1      1.8766  
 #2      2.9040  
 #3      2.8570

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3289.1 | 37147. | 3071.1 | 43.192 | 3833.4 |
| Stddev    | 4.8    | 38.    | 55.4   | .667   | 12.8   |
| %RSD      | .14579 | .10199 | 1.8029 | 1.5435 | .33508 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3284.5 | 37191. | 3032.9 | 43.858 | 3845.8 |
| #2 | 3294.0 | 37128. | 3045.9 | 42.525 | 3834.3 |
| #3 | 3288.7 | 37123. | 3134.6 | 43.192 | 3820.2 |

Sample Name: PB118388BL      Acquired: 3/28/2019 14:45:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00314  | .00155  | -.00177 | .00311   | -.00234 | -.00443 | -.00288 | -.00006  |
| Stddev | .00128  | .00157  | .00035  | .00244   | .00209  | .00205  | .00045  | .00004   |
| %RSD   | 40.804  | 100.78  | 19.800  | 78.712   | 89.592  | 46.314  | 15.586  | 66.250   |
| #1     | .00173  | .00336  | -.00138 | .00469   | -.00473 | -.00206 | -.00340 | -.00003  |
| #2     | .00348  | .00070  | -.00187 | .00029   | -.00146 | -.00560 | -.00265 | -.00010  |
| #3     | .00423  | .00060  | -.00205 | .00433   | -.00082 | -.00563 | -.00260 | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00008 | -.03463 | .00050  | .00008   | -.00188 | -.00654 | -.00010 | -.04780  |
| Stddev | .00008  | .01671  | .00119  | .00018   | .00024  | .00100  | .00003  | .05488   |
| %RSD   | 100.45  | 48.259  | 237.62  | 216.28   | 12.773  | 15.359  | 26.478  | 114.83   |
| #1     | -.00007 | -.03260 | .00003  | -.00011  | -.00186 | -.00554 | -.00013 | -.01234  |
| #2     | -.00016 | -.05226 | .00186  | .00024   | -.00165 | -.00755 | -.00008 | -.02003  |
| #3     | -.00001 | -.01902 | -.00038 | .00011   | -.00213 | -.00652 | -.00008 | -.11102  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00042 | -.00095 | -.12814 | .00015   | .00038  | -.03944 | -.00010 | -.00733  |
| Stddev | .00023  | .00073  | .01129  | .00023   | .00010  | .02169  | .00019  | .01790   |
| %RSD   | 56.227  | 77.248  | 8.8074  | 154.16   | 25.776  | 54.988  | 189.05  | 244.19   |
| #1     | -.00021 | -.00144 | -.14081 | -.00011  | .00049  | -.02115 | .00003  | -.01991  |
| #2     | -.00037 | -.00129 | -.12442 | .00022   | .00029  | -.03377 | -.00002 | -.01525  |
| #3     | -.00067 | -.00011 | -.11918 | .00033   | .00036  | -.06340 | -.00031 | .01317   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00131  | .00364  | .00045  | F .01071 | -.00116 | -.0001  | -.00013 | F 3.2521 |
| Stddev | .00246  | .00165  | .00015  | .00382   | .00294  | .0016   | .00002  | .2140    |
| %RSD   | 188.34  | 45.412  | 32.781  | 35.692   | 253.88  | 2079.   | 13.457  | 6.5788   |
| #1     | .00066  | .00550  | .00030  | .01509   | -.00388 | .0018   | -.00015 | 3.1090   |
| #2     | -.00077 | .00307  | .00046  | .00806   | -.00156 | -.0011  | -.00012 | 3.1494   |
| #3     | .00402  | .00234  | .00059  | .00898   | .00196  | -.0010  | -.00011 | 3.4981   |

Sample Name: PB118388BL      Acquired: 3/28/2019 14:45:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.0188 |
| Stddev | .8157    |
| %RSD   | 27.021   |

|    |        |
|----|--------|
| #1 | 3.4693 |
| #2 | 2.0772 |
| #3 | 3.5100 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3295.0 | 37496. | 3079.6 | 44.644 | 3833.4 |
| Stddev    | 10.2   | 23.    | 17.2   | .696   | 5.8    |
| %RSD      | .30942 | .06174 | .55700 | 1.5592 | .15219 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3291.6 | 37499. | 3061.6 | 45.433 | 3826.8 |
| #2 | 3306.5 | 37471. | 3081.7 | 44.383 | 3835.9 |
| #3 | 3287.0 | 37517. | 3095.7 | 44.117 | 3837.6 |

Sample Name: PB118387BS      Acquired: 3/28/2019 14:49:58      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00087  | .00040  | -.00235 | .00339   | -.00052 | -.00082 | -.00279 | -.00003  |
| Stddev | .00171  | .00130  | .00091  | .00266   | .00127  | .00573  | .00092  | .00007   |
| %RSD   | 197.02  | 325.28  | 38.977  | 78.546   | 243.92  | 700.53  | 32.947  | 270.73   |
| #1     | .00076  | -.00110 | -.00326 | .00400   | -.00182 | -.00057 | -.00176 | .00006   |
| #2     | -.00079 | .00124  | -.00143 | .00048   | .00073  | -.00667 | -.00307 | -.00007  |
| #3     | .00263  | .00106  | -.00234 | .00570   | -.00048 | .00478  | -.00354 | -.00006  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00010 | -.02615 | .00075  | .00017   | -.00212 | -.00606 | -.00005 | -.11979  |
| Stddev | .00002  | .01671  | .00026  | .00013   | .00038  | .00077  | .00002  | .02887   |
| %RSD   | 21.721  | 63.893  | 34.894  | 73.100   | 18.113  | 12.773  | 38.932  | 24.103   |
| #1     | -.00012 | -.00686 | .00105  | .00029   | -.00239 | -.00585 | -.00003 | -.13683  |
| #2     | -.00009 | -.03551 | .00056  | .00020   | -.00229 | -.00692 | -.00007 | -.13610  |
| #3     | -.00009 | -.03608 | .00065  | .00004   | -.00168 | -.00542 | -.00004 | -.08646  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00027  | -.00023 | -.14864 | .00014   | .00028  | .02878  | -.00014 | -.00116  |
| Stddev | .00029  | .00080  | .00914  | .00029   | .00021  | .01055  | .00015  | .01213   |
| %RSD   | 108.23  | 341.82  | 6.1515  | 213.01   | 76.561  | 36.654  | 103.25  | 1050.1   |
| #1     | .00021  | -.00021 | -.15837 | -.00007  | .00052  | .02954  | -.00019 | -.01367  |
| #2     | .00002  | .00055  | -.14022 | .00001   | .00021  | .03892  | -.00026 | -.00035  |
| #3     | .00060  | -.00105 | -.14731 | .00047   | .00011  | .01787  | .00002  | .01056   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00273  | .00307  | -.00187 | F .01019 | -.00268 | -.0002  | .00001  | F 2.3535 |
| Stddev | .00126  | .00226  | .00109  | .00291   | .00055  | .0006   | .00008  | .4628    |
| %RSD   | 46.124  | 73.807  | 58.231  | 28.578   | 20.679  | 381.5   | 562.40  | 19.665   |
| #1     | .00389  | .00077  | -.00080 | .01194   | -.00306 | -.0007  | .00006  | 2.0777   |
| #2     | .00291  | .00530  | -.00182 | .00683   | -.00204 | .0006   | .00006  | 2.0950   |
| #3     | .00139  | .00313  | -.00298 | .01179   | -.00293 | -.0004  | -.00008 | 2.8879   |



Sample Name: PB118387BS      Acquired: 3/28/2019 14:49:58      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.6622  
Stddev      1.3556  
%RSD      81.560

#1      .82567  
#2      .93454  
#3      3.2263

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3372.0 | 38144. | 3133.9 | 44.247 | 3934.6 |
| Stddev    | 3.3    | 146.   | 7.8    | 1.987  | 10.1   |
| %RSD      | .09867 | .38267 | .24930 | 4.4905 | .25670 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3370.2 | 38093. | 3125.5 | 45.658 | 3925.5 |
| #2 | 3370.0 | 38309. | 3135.0 | 45.108 | 3932.8 |
| #3 | 3375.8 | 38030. | 3141.0 | 41.975 | 3945.5 |

Sample Name: K1963-03      Acquired: 3/28/2019 14:58:44      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00043 | .00134 | -.00100 | .00540 | -.00314 | -.00983 | .03762 | .00001 |
| Stddev | .00266 | .00030 | .00056  | .00414 | .00148  | .00489  | .00176 | .00003 |
| %RSD   | 623.92 | 22.723 | 56.366  | 76.705 | 47.198  | 49.707  | 4.6893 | 305.53 |

|    |         |        |         |        |         |         |        |         |
|----|---------|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00031  | .00129 | -.00114 | .00925 | -.00481 | -.01502 | .03658 | .00005  |
| #2 | .00314  | .00166 | -.00149 | .00101 | -.00259 | -.00916 | .03663 | .00000  |
| #3 | -.00218 | .00106 | -.00038 | .00594 | -.00200 | -.00531 | .03966 | -.00002 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00013 | 22.902 | .00089 | .00126 | -.00309 | .79556 | .25713 | 2.8428 |
| Stddev | .00003 | .061   | .00051 | .00002 | .00046  | .01445 | .00478 | .1031  |
| %RSD   | 26.161 | .26587 | 57.575 | 1.7354 | 14.958  | 1.8168 | 1.8571 | 3.6260 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00009 | 22.847 | .00059 | .00128 | -.00261 | .78999 | .25611 | 2.8820 |
| #2 | .00015 | 22.891 | .00147 | .00124 | -.00353 | .78473 | .25294 | 2.7258 |
| #3 | .00016 | 22.967 | .00059 | .00127 | -.00312 | .81198 | .26233 | 2.9204 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00096 | -.00167 | 55.404 | -.00074 | .00775 | 2.5764 | -.00009 | .02315 |
| Stddev | .00039 | .00075  | .805   | .00007  | .00026 | .0823  | .00016  | .02364 |
| %RSD   | 41.031 | 45.331  | 1.4534 | 9.5559  | 3.3740 | 3.1933 | 176.78  | 102.12 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00119 | -.00107 | 55.221 | -.00075 | .00762 | 2.5723 | -.00001 | .04848 |
| #2 | .00117 | -.00251 | 54.706 | -.00081 | .00805 | 2.4963 | -.00028 | .01932 |
| #3 | .00050 | -.00142 | 56.285 | -.00067 | .00758 | 2.6607 | .00002  | .00166 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.5974 | 2.2047 | -.00606 | .01314 | -.00821 | .0159  | .16308 | .14652 |
| Stddev | .0951  | .0025  | .00054  | .00263 | .00035  | .0016  | .00056 | .48960 |
| %RSD   | .99090 | .11178 | 8.8861  | 20.017 | 4.3019  | 9.959  | .34413 | 334.14 |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 9.5002 | 2.2075 | -.00611 | .01209 | -.00839 | .0141 | .16245 | .62915  |
| #2 | 9.6018 | 2.2031 | -.00550 | .01613 | -.00781 | .0167 | .16353 | -.34976 |
| #3 | 9.6903 | 2.2034 | -.00657 | .01119 | -.00844 | .0169 | .16326 | .16018  |

Sample Name: K1963-03      Acquired: 3/28/2019 14:58:44      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.3377  
 Stddev      .7791  
 %RSD      23.342

#1      2.4393  
 #2      3.7463  
 #3      3.8274

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3472.4 | 40144. | 3382.1 | 49.080 | 3979.8 |
| Stddev    | 29.1   | 597.   | 15.5   | 1.755  | 36.2   |
| %RSD      | .83714 | 1.4864 | .45699 | 3.5755 | .91031 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3505.8 | 40332. | 3369.7 | 47.168 | 4021.1 |
| #2 | 3458.8 | 40624. | 3377.3 | 49.454 | 3965.4 |
| #3 | 3452.7 | 39476. | 3399.4 | 50.618 | 3953.1 |

Sample Name: K1963-03DUP      Acquired: 3/28/2019 15:03:05      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00182 | .00169 | -.00138 | .00274 | -.00224 | -.01382 | .03864 | .00001 |
| Stddev | .00262 | .00101 | .00082  | .00401 | .00041  | .01034  | .00070 | .00012 |
| %RSD   | 143.85 | 59.838 | 59.511  | 146.35 | 18.378  | 74.808  | 1.8224 | 1475.4 |

|    |        |        |         |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00484 | .00204 | -.00173 | -.00021 | -.00226 | -.01328 | .03800 | -.00007 |
| #2 | .00037 | .00248 | -.00196 | .00112  | -.00264 | -.00376 | .03939 | -.00006 |
| #3 | .00025 | .00055 | -.00044 | .00730  | -.00182 | -.02441 | .03854 | .00015  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00019 | 22.970 | .00036 | .00121 | -.00233 | .81638 | .26109 | 2.8375 |
| Stddev | .00007 | .100   | .00014 | .00020 | .00016  | .00639 | .00048 | .1353  |
| %RSD   | 39.375 | .43536 | 38.138 | 16.769 | 7.0577  | .78221 | .18326 | 4.7672 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00020 | 23.034 | .00038 | .00132 | -.00233 | .80999 | .26148 | 2.7030 |
| #2 | .00026 | 23.022 | .00022 | .00098 | -.00249 | .82276 | .26056 | 2.8361 |
| #3 | .00011 | 22.855 | .00050 | .00133 | -.00217 | .81639 | .26124 | 2.9735 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00093 | -.00157 | 56.734 | -.00035 | .00652 | 2.5970 | -.00020 | .03133 |
| Stddev | .00029 | .00027  | .394   | .00032  | .00012 | .0320  | .00046  | .00795 |
| %RSD   | 31.142 | 17.355  | .69506 | 90.322  | 1.8176 | 1.2307 | 228.35  | 25.380 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00065 | -.00155 | 56.386 | -.00053 | .00647 | 2.5610 | -.00060 | .03261 |
| #2 | .00122 | -.00131 | 56.655 | .00002  | .00665 | 2.6083 | -.00030 | .03856 |
| #3 | .00091 | -.00185 | 57.162 | -.00054 | .00643 | 2.6218 | .00030  | .02281 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.6397 | 2.2066 | -.00593 | .01061 | -.00575 | .0156  | .16432 | 1.6344 |
| Stddev | .0094  | .0279  | .00097  | .00163 | .00076  | .0008  | .00124 | .2188  |
| %RSD   | .09716 | 1.2639 | 16.311  | 15.403 | 13.134  | 5.339  | .75300 | 13.386 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 9.6458 | 2.2247 | -.00604 | .00873 | -.00490 | .0147 | .16498 | 1.4163 |
| #2 | 9.6289 | 2.2205 | -.00684 | .01166 | -.00601 | .0158 | .16509 | 1.8538 |
| #3 | 9.6443 | 2.1744 | -.00492 | .01144 | -.00635 | .0163 | .16290 | 1.6330 |

Sample Name: K1963-03DUP      Acquired: 3/28/2019 15:03:05      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.1460  
Stddev      .4418  
%RSD      14.044

#1      3.4432  
#2      3.3565  
#3      2.6383

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3433.5 | 39076. | 3344.7 | 48.098 | 3930.1 |
| Stddev    | 9.5    | 104.   | 35.5   | 1.690  | 9.1    |
| %RSD      | .27802 | .26733 | 1.0619 | 3.5143 | .23044 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3424.2 | 39171. | 3313.1 | 46.827 | 3925.8 |
| #2 | 3443.3 | 39094. | 3338.0 | 50.017 | 3940.5 |
| #3 | 3432.9 | 38964. | 3383.1 | 47.451 | 3924.0 |

Sample Name: PB118388BS      Acquired: 3/28/2019 15:07:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75327 | 1.8794 | .92931 | 1.9116 | .75367 | 1.9925 | .20415 |
| Stddev | .00531 | .0062  | .00164 | .0047  | .00255 | .0238  | .00128 |
| %RSD   | .70509 | .32995 | .17611 | .24796 | .33894 | 1.1950 | .62705 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75820 | 1.8844 | .92878 | 1.9170 | .75652 | 1.9994 | .20284 |
| #2 | .75396 | 1.8814 | .92801 | 1.9085 | .75294 | 1.9660 | .20420 |
| #3 | .74764 | 1.8725 | .93115 | 1.9091 | .75157 | 2.0121 | .20540 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19731 | .18067 | .95873 | .38804 | .18723 | .31882 | 2.9341 |
| Stddev | .00069 | .00019 | .01382 | .00090 | .00084 | .00098 | .0115  |
| %RSD   | .35162 | .10624 | 1.4420 | .23140 | .44777 | .30770 | .39035 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19675 | .18049 | .94689 | .38741 | .18681 | .31781 | 2.9221 |
| #2 | .19711 | .18087 | .95537 | .38763 | .18819 | .31890 | 2.9355 |
| #3 | .19809 | .18064 | .97392 | .38906 | .18667 | .31977 | 2.9449 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20352 | 1.9245 | .47658 | .06895 | 3.0050 | .29749 | .18695 |
| Stddev | .00058 | .0804  | .00135 | .00056 | .0134  | .00512 | .00048 |
| %RSD   | .28561 | 4.1777 | .28373 | .81834 | .44565 | 1.7212 | .25413 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20322 | 2.0154 | .47516 | .06950 | 3.0095 | .30340 | .18656 |
| #2 | .20315 | 1.8628 | .47785 | .06898 | 2.9899 | .29473 | .18748 |
| #3 | .20419 | 1.8952 | .47674 | .06837 | 3.0155 | .29434 | .18682 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.078 | .36945 | .29025 | 8.4971 | .84845 | .60300 | .19071 |
| Stddev | .139   | .00023 | .01323 | .0329  | .00646 | .00105 | .00346 |
| %RSD   | 1.3767 | .06267 | 4.5583 | .38668 | .76085 | .17417 | 1.8135 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.064 | .36958 | .30418 | 8.5302 | .85220 | .60285 | .18696 |
| #2 | 9.9460 | .36959 | .27786 | 8.4966 | .85215 | .60411 | .19137 |
| #3 | 10.223 | .36919 | .28871 | 8.4645 | .84100 | .60203 | .19378 |

Sample Name: PB118388BS      Acquired: 3/28/2019 15:07:27      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19854 | 5.029  | .19058 | F 3.2376 | F<.00000 |
| Stddev | .00448 | .025   | .00195 | .7540    | 1.4136   |
| %RSD   | 2.2582 | .4966  | 1.0208 | 23.288   | 20.004   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19394 | 5.058 | .18854 | 2.4343 | -7.5406 |
| #2 | .20290 | 5.018 | .19080 | 3.9300 | -8.1828 |
| #3 | .19877 | 5.012 | .19241 | 3.3483 | -5.4772 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3292.3 | 37267. | 3097.1 | 43.583 | 3826.6 |
| Stddev    | 5.5    | 82.    | 37.7   | .912   | 4.9    |
| %RSD      | .16772 | .21889 | 1.2165 | 2.0922 | .12877 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3287.3 | 37234. | 3132.8 | 44.592 | 3822.3 |
| #2 | 3291.3 | 37207. | 3057.7 | 42.817 | 3825.4 |
| #3 | 3298.2 | 37360. | 3100.7 | 43.342 | 3832.0 |

Sample Name: K1963-03LX5      Acquired: 3/28/2019 15:11:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |         |        |        |
|--------|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00099 | .00179 | -.00162 | .00404 | .00002 | -.01558 | .00735 | .00003 |
| Stddev | .00260 | .00089 | .00058  | .00042 | .00077 | .01440  | .00133 | .00004 |
| %RSD   | 262.80 | 50.040 | 36.052  | 10.371 | 3943.5 | 92.431  | 18.128 | 127.57 |

|    |         |        |         |        |         |         |        |         |
|----|---------|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00238  | .00277 | -.00122 | .00385 | .00091  | -.03125 | .00885 | .00003  |
| #2 | -.00201 | .00159 | -.00229 | .00376 | -.00041 | -.00292 | .00691 | -.00001 |
| #3 | .00259  | .00101 | -.00135 | .00452 | -.00045 | -.01258 | .00630 | .00008  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 4.9119 | .00087 | .00026 | -.00168 | .17018 | .05699 | .57363 |
| Stddev | .00002  | .0118  | .00038 | .00020 | .00043  | .00209 | .00051 | .01145 |
| %RSD   | 42.079  | .23984 | 43.470 | 76.267 | 25.674  | 1.2302 | .88998 | 1.9955 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00007 | 4.9000 | .00073 | .00049 | -.00162 | .17220 | .05744 | .57191 |
| #2 | -.00003 | 4.9123 | .00130 | .00011 | -.00214 | .16802 | .05644 | .58583 |
| #3 | -.00005 | 4.9235 | .00059 | .00019 | -.00128 | .17034 | .05708 | .56313 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00122 | -.00007 | 11.328 | -.00005 | .00223 | .51523 | -.00006 | .00251 |
| Stddev | .00041 | .00096  | .091   | .00016  | .00011 | .02668 | .00009  | .00691 |
| %RSD   | 33.558 | 1476.1  | .80671 | 317.60  | 4.7828 | 5.1786 | 165.41  | 275.77 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00169 | -.00038 | 11.281 | -.00020 | .00215 | .54604 | -.00012 | .00579  |
| #2 | .00097 | -.00083 | 11.271 | .00011  | .00235 | .50008 | -.00010 | .00717  |
| #3 | .00100 | .00101  | 11.434 | -.00006 | .00219 | .49957 | .00005  | -.00544 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9367 | .46548 | -.00286 | .01103 | -.00147 | .0052  | .03486 | 2.4295 |
| Stddev | .0036  | .01024 | .00053  | .00304 | .00059  | .0010  | .00022 | .1084  |
| %RSD   | .18480 | 2.2010 | 18.588  | 27.566 | 40.289  | 19.37  | .64297 | 4.4614 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | 1.9370 | .47432 | -.00326 | .01315 | -.00090 | .0055 | .03464 | 2.3545 |
| #2 | 1.9329 | .46786 | -.00226 | .00755 | -.00208 | .0060 | .03509 | 2.3802 |
| #3 | 1.9401 | .45425 | -.00306 | .01239 | -.00142 | .0041 | .03484 | 2.5537 |



Sample Name: K1963-03LX5      Acquired: 3/28/2019 15:11:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.0606  
Stddev      .1355  
%RSD      4.4260

#1      2.9262  
#2      3.1971  
#3      3.0585

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3365.6 | 38199. | 3224.7 | 44.564 | 3916.7 |
| Stddev    | 7.9    | 110.   | 34.5   | 1.234  | 6.2    |
| %RSD      | .23606 | .28866 | 1.0687 | 2.7698 | .15730 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3356.8 | 38085. | 3201.4 | 43.140 | 3923.6 |
| #2 | 3367.9 | 38306. | 3208.5 | 45.221 | 3911.9 |
| #3 | 3372.1 | 38205. | 3264.3 | 45.332 | 3914.6 |

Sample Name: PB118387BS      Acquired: 3/28/2019 15:20:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76799 | 1.9135 | .94663 | 1.9269 | .78107 | 2.0131 | .20721 |
| Stddev | .00361 | .0173  | .00453 | .0118  | .00264 | .0486  | .00156 |
| %RSD   | .47028 | .90486 | .47888 | .61178 | .33763 | 2.4131 | .75466 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76529 | 1.8952 | .94225 | 1.9135 | .77829 | 1.9571 | .20541 |
| #2 | .77209 | 1.9157 | .94635 | 1.9354 | .78354 | 2.0434 | .20814 |
| #3 | .76659 | 1.9297 | .95130 | 1.9319 | .78138 | 2.0389 | .20809 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19930 | .18378 | .97188 | .39264 | .19088 | .32356 | 2.9483 |
| Stddev | .00066 | .00119 | .00978 | .00170 | .00153 | .00128 | .0079  |
| %RSD   | .32986 | .64877 | 1.0060 | .43283 | .80306 | .39536 | .26944 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19875 | .18250 | .97753 | .39231 | .18917 | .32270 | 2.9391 |
| #2 | .19913 | .18399 | .96060 | .39447 | .19132 | .32503 | 2.9536 |
| #3 | .20003 | .18485 | .97753 | .39112 | .19214 | .32294 | 2.9521 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20562 | 1.8917 | .48471 | .06992 | 2.9650 | .30265 | .19075 |
| Stddev | .00038 | .0207  | .00188 | .00074 | .0321  | .00109 | .00115 |
| %RSD   | .18589 | 1.0918 | .38783 | 1.0615 | 1.0823 | .35980 | .60114 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20518 | 1.8810 | .48290 | .06970 | 2.9383 | .30189 | .18954 |
| #2 | .20589 | 1.8785 | .48458 | .06931 | 2.9561 | .30390 | .19087 |
| #3 | .20578 | 1.9155 | .48665 | .07075 | 3.0006 | .30217 | .19183 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.147 | .38231 | .30539 | 8.8229 | .86915 | .62416 | .19533 |
| Stddev | .147   | .00147 | .01530 | .0569  | .00678 | .00507 | .00451 |
| %RSD   | 1.4497 | .38528 | 5.0110 | .64511 | .78000 | .81243 | 2.3080 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9855 | .38164 | .30993 | 8.7607 | .87545 | .61887 | .19434 |
| #2 | 10.184 | .38400 | .31790 | 8.8359 | .87002 | .62462 | .20025 |
| #3 | 10.273 | .38130 | .28833 | 8.8723 | .86197 | .62898 | .19140 |

Sample Name: PB118387BS      Acquired: 3/28/2019 15:20:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19743 | 5.096  | .19299 | F 3.2475 | F<.00000 |
| Stddev | .00291 | .039   | .00099 | .4342    | .72163   |
| %RSD   | 1.4726 | .7653  | .51160 | 13.370   | 9.7708   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20008 | 5.052 | .19332 | 2.7512 | -6.7674 |
| #2 | .19432 | 5.111 | .19188 | 3.5573 | -7.2107 |
| #3 | .19789 | 5.125 | .19378 | 3.4339 | -8.1786 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3278.0 | 37277. | 3104.6 | 44.614 | 3804.5 |
| Stddev    | 13.6   | 72.    | 38.1   | 1.135  | 9.0    |
| %RSD      | .41540 | .19343 | 1.2270 | 2.5437 | .23567 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3269.2 | 37344. | 3060.7 | 43.675 | 3812.2 |
| #2 | 3271.2 | 37286. | 3127.8 | 44.292 | 3806.7 |
| #3 | 3293.7 | 37201. | 3125.5 | 45.875 | 3794.6 |

Sample Name: K1963-03MS      Acquired: 3/28/2019 15:24:07      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .85254 | 2.0268 | 1.0036 | 2.2003 | .92893 | 2.1742 | .25950 |
| Stddev | .00568 | .0066  | .0051  | .0137  | .00535 | .0104  | .00223 |
| %RSD   | .66670 | .32316 | .50891 | .62144 | .57623 | .47635 | .86084 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84619 | 2.0196 | .99825 | 2.1920 | .93360 | 2.1638 | .25722 |
| #2 | .85427 | 2.0283 | 1.0084 | 2.2161 | .93010 | 2.1744 | .25961 |
| #3 | .85715 | 2.0324 | 1.0040 | 2.1929 | .92309 | 2.1845 | .26168 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22008 | .19926 | 23.259 | .40768 | .20381 | .33858 | 3.8329 |
| Stddev | .00019 | .00068 | .070   | .00120 | .00109 | .00051 | .0025  |
| %RSD   | .08640 | .34302 | .30232 | .29407 | .53679 | .15049 | .06609 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22024 | .19855 | 23.338 | .40703 | .20274 | .33800 | 3.8300 |
| #2 | .21987 | .19991 | 23.233 | .40906 | .20493 | .33892 | 3.8347 |
| #3 | .22013 | .19931 | 23.204 | .40695 | .20377 | .33884 | 3.8341 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .46128 | 4.8632 | .51356 | .07320 | 57.429 | .31828 | .22896 |
| Stddev | .00102 | .0280  | .00088 | .00064 | .124   | .00059 | .00045 |
| %RSD   | .22139 | .57623 | .17153 | .87070 | .21576 | .18485 | .19744 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .46010 | 4.8434 | .51256 | .07266 | 57.308 | .31765 | .22849 |
| #2 | .46189 | 4.8953 | .51421 | .07391 | 57.556 | .31835 | .22939 |
| #3 | .46186 | 4.8510 | .51391 | .07304 | 57.423 | .31882 | .22900 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.818 | .44933 | .35182 | 9.2238 | 3.1276 | .74161 | .23041 |
| Stddev | .136   | .00369 | .03539 | .0295  | .0209  | .00595 | .00203 |
| %RSD   | .98323 | .82084 | 10.060 | .31932 | .66654 | .80281 | .88292 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.680 | .45187 | .39234 | 9.1924 | 3.1483 | .74799 | .22944 |
| #2 | 13.823 | .45102 | .32695 | 9.2281 | 3.1279 | .73619 | .22904 |
| #3 | 13.952 | .44510 | .33618 | 9.2508 | 3.1066 | .74066 | .23275 |

Sample Name: K1963-03MS      Acquired: 3/28/2019 15:24:07      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .19706 | 5.849  | .35283 | .88017 | F<.00000 |
| Stddev | .00072 | .029   | .00286 | .23274 | .44100   |
| %RSD   | .36459 | .4990  | .81093 | 26.443 | 6.2772   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19658 | 5.815 | .35590 | 1.1457 | -6.5175 |
| #2 | .19671 | 5.866 | .35236 | .78332 | -7.2477 |
| #3 | .19788 | 5.864 | .35023 | .71150 | -7.3110 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3505.2 | 40148. | 3422.6 | 48.687 | 3967.2 |
| Stddev    | 4.6    | 142.   | 28.8   | 2.332  | 9.5    |
| %RSD      | .13043 | .35464 | .84189 | 4.7899 | .23991 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3510.4 | 40280. | 3397.7 | 48.705 | 3977.4 |
| #2 | 3501.7 | 39997. | 3416.1 | 46.345 | 3965.8 |
| #3 | 3503.6 | 40168. | 3454.2 | 51.009 | 3958.5 |

Sample Name: K1963-03MSD      Acquired: 3/28/2019 15:28:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .87662 | 2.0736 | 1.0288 | 2.2666 | .85711 | 2.2427 | .26784 |
| Stddev | .00509 | .0027  | .0030  | .0051  | .00427 | .0368  | .00402 |
| %RSD   | .58081 | .13243 | .29496 | .22446 | .49795 | 1.6408 | 1.4997 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .87083 | 2.0740 | 1.0297 | 2.2681 | .86203 | 2.2018 | .26333 |
| #2 | .87862 | 2.0761 | 1.0254 | 2.2708 | .85496 | 2.2731 | .27103 |
| #3 | .88041 | 2.0706 | 1.0312 | 2.2609 | .85435 | 2.2531 | .26916 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22627 | .20414 | 23.529 | .41864 | .20860 | .34754 | 3.9161 |
| Stddev | .00065 | .00065 | .057   | .00091 | .00083 | .00037 | .0051  |
| %RSD   | .28927 | .31972 | .24032 | .21804 | .39993 | .10757 | .13082 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22615 | .20339 | 23.472 | .41970 | .20772 | .34711 | 3.9147 |
| #2 | .22568 | .20459 | 23.528 | .41806 | .20872 | .34774 | 3.9119 |
| #3 | .22697 | .20443 | 23.586 | .41818 | .20937 | .34777 | 3.9218 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .46982 | 4.9422 | .52615 | .07585 | 58.610 | .32688 | .23473 |
| Stddev | .00093 | .0977  | .00144 | .00135 | .520   | .00015 | .00105 |
| %RSD   | .19800 | 1.9762 | .27363 | 1.7797 | .88777 | .04611 | .44567 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .46963 | 4.8660 | .52508 | .07732 | 58.010 | .32674 | .23372 |
| #2 | .46899 | 5.0523 | .52560 | .07555 | 58.903 | .32704 | .23467 |
| #3 | .47082 | 4.9083 | .52779 | .07467 | 58.918 | .32688 | .23581 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.209 | .41137 | .37184 | 9.3534 | 3.0916 | .67910 | .21092 |
| Stddev | .137   | .00260 | .01869 | .0062  | .0336  | .00591 | .00121 |
| %RSD   | .96694 | .63181 | 5.0258 | .06637 | 1.0861 | .86960 | .57320 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.068 | .41365 | .37705 | 9.3532 | 3.1179 | .68485 | .20970 |
| #2 | 14.342 | .41193 | .35111 | 9.3597 | 3.0538 | .67939 | .21093 |
| #3 | 14.217 | .40854 | .38738 | 9.3473 | 3.1031 | .67305 | .21212 |

Sample Name: K1963-03MSD      Acquired: 3/28/2019 15:28:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20489 | 6.017  | .36315 | 1.1699 | F<.00000 |
| Stddev    | .00108 | .006   | .00264 | .3319  | 1.8851   |
| %RSD      | .52748 | .1008  | .72691 | 28.373 | 21.298   |
| #1        | .20495 | 6.014  | .36556 | 1.0803 | -9.6337  |
| #2        | .20378 | 6.024  | .36033 | 1.5374 | -10.220  |
| #3        | .20594 | 6.013  | .36355 | .89191 | -6.7011  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3439.6 | 39350. | 3368.2 | 47.560 | 3900.2   |
| Stddev    | .2     | 87.    | 50.6   | 1.212  | 1.9      |
| %RSD      | .00685 | .21986 | 1.5020 | 2.5488 | .04793   |
| #1        | 3439.8 | 39385. | 3315.6 | 46.165 | 3902.1   |
| #2        | 3439.4 | 39414. | 3416.6 | 48.358 | 3898.4   |
| #3        | 3439.7 | 39252. | 3372.3 | 48.158 | 3900.0   |

Sample Name: K1963-03A      Acquired: 3/28/2019 15:32:14      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .87858 | 2.0818 | 1.0337 | 2.2663 | .83711 | 2.2661 | .26960 |
| Stddev | .00213 | .0019  | .0011  | .0048  | .00198 | .0146  | .00185 |
| %RSD   | .24297 | .08882 | .10848 | .21253 | .23638 | .64606 | .68718 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .87964 | 2.0829 | 1.0349 | 2.2656 | .83835 | 2.2691 | .26841 |
| #2 | .87612 | 2.0797 | 1.0335 | 2.2619 | .83483 | 2.2790 | .26866 |
| #3 | .87997 | 2.0829 | 1.0326 | 2.2714 | .83815 | 2.2502 | .27174 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22771 | .20453 | 23.670 | .42126 | .20953 | .34984 | 3.9360 |
| Stddev | .00044 | .00031 | .061   | .00179 | .00048 | .00157 | .0141  |
| %RSD   | .19491 | .14998 | .25602 | .42393 | .22776 | .44948 | .35824 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22819 | .20463 | 23.600 | .41928 | .20901 | .35161 | 3.9337 |
| #2 | .22761 | .20478 | 23.711 | .42173 | .20963 | .34859 | 3.9232 |
| #3 | .22732 | .20419 | 23.699 | .42276 | .20995 | .34934 | 3.9511 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .47133 | 5.0767 | .52696 | .07656 | 58.732 | .32810 | .23544 |
| Stddev | .00010 | .1011  | .00116 | .00098 | .120   | .00171 | .00025 |
| %RSD   | .02218 | 1.9916 | .22043 | 1.2802 | .20405 | .52164 | .10749 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .47129 | 4.9669 | .52825 | .07543 | 58.796 | .32893 | .23515 |
| #2 | .47125 | 5.0975 | .52598 | .07720 | 58.806 | .32613 | .23562 |
| #3 | .47145 | 5.1659 | .52667 | .07705 | 58.594 | .32924 | .23554 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.291 | .40372 | .34376 | 9.3576 | 3.0572 | .66304 | .20463 |
| Stddev | .084   | .00109 | .01871 | .0209  | .0252  | .00163 | .00472 |
| %RSD   | .59053 | .26989 | 5.4440 | .22287 | .82498 | .24565 | 2.3044 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.283 | .40450 | .32763 | 9.3338 | 3.0507 | .66139 | .20674 |
| #2 | 14.379 | .40247 | .36428 | 9.3726 | 3.0850 | .66310 | .20793 |
| #3 | 14.211 | .40418 | .33938 | 9.3664 | 3.0359 | .66465 | .19923 |



Sample Name: K1963-03A      Acquired: 3/28/2019 15:32:14      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20725 | 6.014  | .36622 | 1.7344 | F<.00000 |
| Stddev    | .00181 | .012   | .00212 | .4327  | .64354   |
| %RSD      | .87388 | .1950  | .57755 | 24.949 | 8.1079   |
| #1        | .20882 | 6.002  | .36814 | 1.4614 | -8.1364  |
| #2        | .20766 | 6.025  | .36656 | 1.5086 | -8.4575  |
| #3        | .20527 | 6.016  | .36396 | 2.2333 | -7.2175  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3420.4 | 39325. | 3358.2 | 48.483 | 3883.0   |
| Stddev    | 7.3    | 36.    | 5.1    | 1.018  | 8.5      |
| %RSD      | .21346 | .09066 | .15048 | 2.1001 | .21852   |
| #1        | 3424.0 | 39348. | 3352.9 | 48.464 | 3891.3   |
| #2        | 3425.2 | 39343. | 3358.9 | 49.510 | 3883.1   |
| #3        | 3412.0 | 39284. | 3362.9 | 47.474 | 3874.4   |

Sample Name: CCV03      Acquired: 3/28/2019 15:36:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1775 | 5.0315 | 5.0629 | 5.1175 | 5.2052 | 10.782 | 10.847 | .25894 |
| Stddev | .0066  | .0074  | .0103  | .0084  | .0073  | .064   | .037   | .00026 |
| %RSD   | .12674 | .14793 | .20381 | .16415 | .14011 | .59149 | .34129 | .10035 |
| #1     | 5.1775 | 5.0237 | 5.0578 | 5.1078 | 5.2076 | 10.738 | 10.867 | .25924 |
| #2     | 5.1841 | 5.0386 | 5.0560 | 5.1215 | 5.2110 | 10.752 | 10.804 | .25879 |
| #3     | 5.1709 | 5.0321 | 5.0747 | 5.1230 | 5.1970 | 10.855 | 10.870 | .25879 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5004 | 24.775 | .98736 | 2.5119 | 1.3152 | 4.9128 | 2.5735 | 25.959 |
| Stddev | .0032  | .228   | .00378 | .0016  | .0017  | .0182  | .0021  | .159   |
| %RSD   | .12936 | .92063 | .38235 | .06293 | .12920 | .37002 | .08049 | .61265 |
| #1     | 2.4976 | 24.611 | .98499 | 2.5122 | 1.3137 | 4.8954 | 2.5733 | 25.850 |
| #2     | 2.4997 | 24.679 | .98537 | 2.5133 | 1.3149 | 4.9317 | 2.5757 | 25.886 |
| #3     | 2.5040 | 25.036 | .99171 | 2.5102 | 1.3171 | 4.9115 | 2.5716 | 26.142 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5381 | 1.2547 | 25.582 | 2.5576 | 2.5584 | 26.750 | 5.1799 | 5.3784 |
| Stddev | .0037  | .0034  | .033   | .0067  | .0008  | .103   | .0031  | .0072  |
| %RSD   | .14506 | .27516 | .13058 | .26034 | .03231 | .38657 | .05925 | .13464 |
| #1     | 2.5340 | 1.2555 | 25.588 | 2.5638 | 2.5591 | 26.805 | 5.1778 | 5.3701 |
| #2     | 2.5411 | 1.2576 | 25.546 | 2.5583 | 2.5585 | 26.814 | 5.1834 | 5.3832 |
| #3     | 2.5393 | 1.2509 | 25.611 | 2.5506 | 2.5575 | 26.630 | 5.1785 | 5.3820 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1415 | 4.9663 | 4.9923 | 5.0458 | 4.9826 | 4.999  | 5.1914 | 4.8462 |
| Stddev | .0145  | .0297  | .0011  | .0293  | .0337  | .002   | .0253  | .2420  |
| %RSD   | .28254 | .59768 | .02180 | .58045 | .67714 | .0396  | .48665 | 4.9932 |
| #1     | 5.1471 | 4.9371 | 4.9933 | 5.0184 | 4.9562 | 5.000  | 5.1727 | 5.0610 |
| #2     | 5.1250 | 4.9652 | 4.9911 | 5.0423 | 4.9709 | 4.997  | 5.1813 | 4.8936 |
| #3     | 5.1525 | 4.9965 | 4.9924 | 5.0767 | 5.0206 | 5.001  | 5.2201 | 4.5840 |

Sample Name: CCV03      Acquired: 3/28/2019 15:36:18      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3811 |
| Stddev | 1.1349   |
| %RSD   | 47.662   |

|    |        |
|----|--------|
| #1 | 3.1581 |
| #2 | 1.0787 |
| #3 | 2.9064 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3179.4 | 36171. | 3104.3 | 41.814 | 3441.0 |
| Stddev    | 4.7    | 87.    | 6.0    | .328   | 7.7    |
| %RSD      | .14763 | .24044 | .19275 | .78550 | .22506 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.4 | 36071. | 3107.7 | 41.875 | 3432.1 |
| #2 | 3179.8 | 36215. | 3107.8 | 42.107 | 3444.9 |
| #3 | 3183.8 | 36228. | 3097.4 | 41.459 | 3446.1 |

Sample Name: CCB03      Acquired: 3/28/2019 15:40:15      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |         |         |        |
|--------|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934  | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00219 | .00179 | -.00103 | .00309 | .00068 | -.00911 | -.00225 | .00008 |
| Stddev | .00135 | .00057 | .00049  | .00140 | .00117 | .00915  | .00081  | .00007 |
| %RSD   | 61.780 | 31.671 | 47.724  | 45.290 | 172.95 | 100.42  | 36.122  | 84.862 |

|    |        |        |         |        |         |         |         |        |
|----|--------|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00359 | .00225 | -.00052 | .00190 | .00196  | -.00188 | -.00245 | .00012 |
| #2 | .00090 | .00116 | -.00150 | .00275 | -.00033 | -.00606 | -.00295 | .00013 |
| #3 | .00206 | .00198 | -.00107 | .00463 | .00039  | -.01940 | -.00136 | .00000 |

|        |         |         |        |        |         |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00008 | -.00570 | .00103 | .00006 | -.00166 | -.00560 | -.00011 | -.08497 |
| Stddev | .00003  | .02131  | .00088 | .00007 | .00044  | .00024  | .00008  | .05441  |
| %RSD   | 36.502  | 373.77  | 84.950 | 123.38 | 26.407  | 4.3487  | 71.465  | 64.035  |

|    |         |         |        |        |         |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00008 | .01522  | .00004 | .00000 | -.00133 | -.00583 | -.00002 | -.05402 |
| #2 | -.00010 | -.00495 | .00171 | .00003 | -.00216 | -.00561 | -.00014 | -.14779 |
| #3 | -.00005 | -.02738 | .00134 | .00014 | -.00150 | -.00535 | -.00016 | -.05309 |

|        |        |         |         |         |        |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00081 | -.00024 | -.03019 | -.00043 | .00052 | .02873 | .00009 | .00691 |
| Stddev | .00060 | .00073  | .00370  | .00013  | .00014 | .04131 | .00031 | .02260 |
| %RSD   | 74.492 | 303.69  | 12.269  | 31.474  | 26.169 | 143.80 | 326.16 | 326.95 |

|    |        |         |         |         |        |         |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00033 | -.00002 | -.03435 | -.00056 | .00062 | .07558  | -.00015 | .01050  |
| #2 | .00061 | .00035  | -.02724 | -.00043 | .00058 | -.00248 | .00044  | .02750  |
| #3 | .00148 | -.00105 | -.02900 | -.00029 | .00036 | .01309  | -.00001 | -.01727 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00513 | .00417 | .00167 | .00793 | .00364 | -.0000 | -.00005 | 3.0631 |
| Stddev | .00241 | .00186 | .00106 | .00372 | .00049 | .0009  | .00015  | .2335  |
| %RSD   | 46.960 | 44.604 | 63.744 | 46.911 | 13.420 | 4191.  | 330.41  | 7.6219 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00753 | .00577 | .00257 | .01218 | .00320 | -.0002 | .00008  | 3.3321 |
| #2 | .00516 | .00463 | .00193 | .00637 | .00356 | .0009  | -.00022 | 2.9440 |
| #3 | .00271 | .00213 | .00050 | .00525 | .00417 | -.0008 | -.00000 | 2.9132 |

Sample Name: CCB03      Acquired: 3/28/2019 15:40:15      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.1864  
 Stddev      .6102  
 %RSD      27.907

#1      2.4264  
 #2      2.6401  
 #3      1.4927

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3326.6 | 37635. | 3149.0 | 43.303 | 3870.6 |
| Stddev    | 8.1    | 47.    | 15.8   | .709   | 11.6   |
| %RSD      | .24265 | .12369 | .50107 | 1.6367 | .29889 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3320.2 | 37630. | 3163.8 | 44.025 | 3869.3 |
| #2 | 3323.9 | 37592. | 3150.8 | 43.275 | 3859.7 |
| #3 | 3335.6 | 37684. | 3132.4 | 42.608 | 3882.8 |

Sample Name: K1963-13      Acquired: 3/28/2019 15:44:44      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |        |        |
|--------|---------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00080 | .00018 | -.00139 | .00489 | -.00235 | -.02800 | .04714 | .00011 |
| Stddev | .00218  | .00059 | .00022  | .00280 | .00060  | .00360  | .00089 | .00006 |
| %RSD   | 272.97  | 324.64 | 15.574  | 57.264 | 25.381  | 12.847  | 1.8976 | 56.629 |

|    |         |         |         |        |         |         |        |        |
|----|---------|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00321 | .00075  | -.00164 | .00369 | -.00272 | -.02575 | .04641 | .00004 |
| #2 | .00102  | -.00043 | -.00124 | .00290 | -.00267 | -.02610 | .04689 | .00014 |
| #3 | -.00020 | .00023  | -.00128 | .00809 | -.00166 | -.03215 | .04814 | .00016 |

|        |        |        |        |        |         |         |         |        |
|--------|--------|--------|--------|--------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00002 | 20.724 | .00120 | .00018 | -.00586 | -.01785 | -.00023 | 5.2204 |
| Stddev | .00001 | .189   | .00028 | .00022 | .00051  | .00046  | .00003  | .0630  |
| %RSD   | 37.755 | .91299 | 23.144 | 124.54 | 8.7678  | 2.5867  | 14.722  | 1.2066 |

|    |        |        |        |         |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|---------|--------|
| #1 | .00002 | 20.941 | .00095 | .00040  | -.00586 | -.01783 | -.00025 | 5.1477 |
| #2 | .00003 | 20.641 | .00114 | .00018  | -.00638 | -.01739 | -.00024 | 5.2584 |
| #3 | .00002 | 20.591 | .00150 | -.00005 | -.00535 | -.01832 | -.00019 | 5.2551 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00135 | -.00172 | 25.003 | .00009 | .00463 | 3.6272 | -.00012 | .04556 |
| Stddev | .00027 | .00025  | .062   | .00020 | .00016 | .0547  | .00052  | .00639 |
| %RSD   | 20.044 | 14.576  | .24746 | 221.02 | 3.3780 | 1.5077 | 429.08  | 14.026 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00135 | -.00179 | 25.074 | .00019  | .00451 | 3.5802 | .00035  | .04814 |
| #2 | .00161 | -.00194 | 24.959 | -.00014 | .00459 | 3.6872 | -.00004 | .03828 |
| #3 | .00107 | -.00145 | 24.976 | .00022  | .00481 | 3.6142 | -.00068 | .05026 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 3.6066 | 2.3865 | -.00305 | .01048 | -.00441 | .0041  | .14081 | <.00000 |
| Stddev | .0049  | .0299  | .00097  | .00216 | .00019  | .0005  | .00128 | .34393  |
| %RSD   | .13465 | 1.2513 | 31.763  | 20.603 | 4.2753  | 13.24  | .90910 | 66.726  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 3.6118 | 2.4207 | -.00372 | .01139 | -.00438 | .0036 | .14227 | -.89907 |
| #2 | 3.6022 | 2.3661 | -.00349 | .00802 | -.00423 | .0039 | .14021 | -.41251 |
| #3 | 3.6057 | 2.3725 | -.00194 | .01204 | -.00461 | .0047 | .13993 | -.23471 |

Sample Name: K1963-13      Acquired: 3/28/2019 15:44:44      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.3486  
 Stddev      .7526  
 %RSD      32.045

#1      3.2151  
 #2      1.8590  
 #3      1.9715

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3547.4 | 40737. | 3428.0 | 49.279 | 4113.8 |
| Stddev    | 4.0    | 134.   | 25.8   | .542   | 4.0    |
| %RSD      | .11317 | .32954 | .75335 | 1.0995 | .09785 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3547.2 | 40849. | 3399.0 | 49.807 | 4118.4 |
| #2 | 3551.4 | 40774. | 3436.4 | 48.725 | 4110.9 |
| #3 | 3543.4 | 40588. | 3448.6 | 49.306 | 4112.1 |

Sample Name: LR CHECK 1      Acquired: 3/28/2019 15:57:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |        |         |         |
|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .08362 | .07114 | -.08553 | .38704 | .00140 | 2174.6 | -.00627 | -.04383 |
| Stddev | .00320 | .00539 | .00641  | .01100 | .00411 | 12.6   | .00208  | .00069  |
| %RSD   | 3.8269 | 7.5712 | 7.4930  | 2.8430 | 294.31 | .58002 | 33.255  | 1.5640  |

|    |        |        |         |        |         |        |         |         |
|----|--------|--------|---------|--------|---------|--------|---------|---------|
| #1 | .08179 | .06590 | -.07834 | .37934 | .00440  | 2163.8 | -.00694 | -.04458 |
| #2 | .08732 | .07086 | -.08761 | .39964 | .00306  | 2188.4 | -.00393 | -.04324 |
| #3 | .08176 | .07666 | -.09064 | .38214 | -.00328 | 2171.5 | -.00793 | -.04366 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01016 | 1944.8 | -.10265 | .03595 | .31236 | 974.79 | .00739 | 1913.4 |
| Stddev | .00294  | 13.2   | .00139  | .00128 | .01211 | 7.00   | .00019 | 16.4   |
| %RSD   | 28.933  | .67667 | 1.3579  | 3.5499 | 3.8778 | .71799 | 2.5490 | .85663 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00677 | 1949.1 | -.10246 | .03725 | .32634 | 967.00 | .00717 | 1897.9 |
| #2 | -.01190 | 1955.3 | -.10413 | .03469 | .30513 | 976.80 | .00750 | 1930.5 |
| #3 | -.01182 | 1930.0 | -.10136 | .03592 | .30560 | 980.56 | .00749 | 1911.8 |

|        |         |         |        |        |         |        |         |        |
|--------|---------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.07821 | -.05437 | 1680.4 | .00843 | -.07882 | 928.38 | -.01212 | .13385 |
| Stddev | .00225  | .00072  | 20.9   | .00013 | .00547  | 9.34   | .00018  | .01099 |
| %RSD   | 2.8805  | 1.3160  | 1.2420 | 1.5305 | 6.9427  | 1.0061 | 1.4536  | 8.2079 |

|    |         |         |        |        |         |        |         |        |
|----|---------|---------|--------|--------|---------|--------|---------|--------|
| #1 | -.07798 | -.05381 | 1687.1 | .00848 | -.07259 | 933.16 | -.01218 | .12116 |
| #2 | -.08057 | -.05518 | 1697.0 | .00853 | -.08099 | 934.35 | -.01225 | .14026 |
| #3 | -.07609 | -.05413 | 1657.0 | .00829 | -.08287 | 917.61 | -.01192 | .14012 |

|        |        |         |        |         |        |        |         |         |
|--------|--------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .34082 | -.01909 | .04213 | -.03601 | .12567 | .1380  | -1.0659 | <.00000 |
| Stddev | .00264 | .00178  | .00094 | .00444  | .00409 | .0041  | .0076   | .94630  |
| %RSD   | .77360 | 9.3049  | 2.2310 | 12.318  | 3.2507 | 2.962  | .71670  | 29.113  |

|    |        |         |        |         |        |       |         |         |
|----|--------|---------|--------|---------|--------|-------|---------|---------|
| #1 | .34165 | -.01820 | .04320 | -.03106 | .12169 | .1409 | -1.0574 | -4.3137 |
| #2 | .34294 | -.02113 | .04178 | -.03731 | .12546 | .1398 | -1.0681 | -2.5009 |
| #3 | .33786 | -.01793 | .04142 | -.03964 | .12985 | .1333 | -1.0723 | -2.9366 |



Sample Name: LR CHECK 1      Acquired: 3/28/2019 15:57:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      ^ \*\*\*\*\*  
 Stddev      -----  
 %RSD      -----

#1      ^ -----  
 #2      ^ -----  
 #3      ^ -----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2440.8 | 27999. | 2728.9 | 32.847 | 2189.8 |
| Stddev    | 39.1   | 177.   | 24.5   | .217   | 37.5   |
| %RSD      | 1.6012 | .63171 | .89952 | .66126 | 1.7122 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2396.1 | 28113. | 2714.0 | 32.597 | 2147.3 |
| #2 | 2457.3 | 27795. | 2715.6 | 32.989 | 2204.3 |
| #3 | 2468.9 | 28087. | 2757.3 | 32.956 | 2217.9 |

Sample Name: LR CHECK 2      Acquired: 3/28/2019 16:04:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |         |
|--------|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .04509 | -.02126 | 242.54 | .04721 | -.08000 | -.14113 | 99.231 | -.00009 |
| Stddev | .00410 | .00138  | 1.52   | .00397 | .00255  | .01337  | .272   | .00013  |
| %RSD   | 9.0908 | 6.4775  | .62841 | 8.4107 | 3.1830  | 9.4760  | .27454 | 142.94  |

|    |        |         |        |        |         |         |        |         |
|----|--------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .04446 | -.01972 | 244.17 | .04566 | -.08152 | -.12858 | 99.256 | .00005  |
| #2 | .04134 | -.02238 | 241.15 | .04425 | -.08143 | -.15520 | 98.947 | -.00012 |
| #3 | .04946 | -.02167 | 242.31 | .05173 | -.07706 | -.13960 | 99.490 | -.00020 |

|        |         |        |         |         |        |         |        |         |
|--------|---------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00979 | .21246 | -.12194 | -.02314 | 261.38 | -.65204 | 42.766 | -.20327 |
| Stddev | .00012  | .01662 | .00148  | .00015  | .22    | .00369  | .128   | .10659  |
| %RSD   | 1.2666  | 7.8210 | 1.2099  | .65292  | .08525 | .56599  | .29975 | 52.437  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.00966 | .23007 | -.12303 | -.02299 | 261.22 | -.65502 | 42.716 | -.08775 |
| #2 | -.00981 | .19707 | -.12026 | -.02329 | 261.63 | -.64791 | 42.671 | -.22426 |
| #3 | -.00991 | .21024 | -.12252 | -.02316 | 261.29 | -.65320 | 42.912 | -.29781 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 50.581 | .00764 | 1.0022 | -.12644 | 34.982 | 1.0434 | .00734 | .01570 |
| Stddev | .079   | .00041 | .0516  | .00157  | .028   | .0641  | .00074 | .00406 |
| %RSD   | .15529 | 5.3542 | 5.1458 | 1.2426  | .07968 | 6.1409 | 10.071 | 25.864 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | 50.619 | .00810 | 1.0423 | -.12599 | 34.975 | 1.1002 | .00681 | .01301 |
| #2 | 50.490 | .00754 | 1.0203 | -.12819 | 34.959 | 1.0559 | .00819 | .02037 |
| #3 | 50.633 | .00730 | .94401 | -.12515 | 35.013 | .97395 | .00703 | .01372 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .11292 | .02245 | .00153 | .03886 | -.00206 | -.0698 | .00640 | 4.4119 |
| Stddev | .00231 | .00199 | .00119 | .00299 | .00145  | .0055  | .00010 | .2847  |
| %RSD   | 2.0487 | 8.8803 | 77.957 | 7.6977 | 70.633  | 7.908  | 1.5816 | 6.4525 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .11190 | .02451 | .00273 | .04229 | -.00368 | -.0692 | .00650 | 4.4716 |
| #2 | .11557 | .02232 | .00152 | .03679 | -.00163 | -.0757 | .00638 | 4.1021 |
| #3 | .11129 | .02053 | .00034 | .03749 | -.00087 | -.0647 | .00631 | 4.6620 |

Sample Name: LR CHECK 2      Acquired: 3/28/2019 16:04:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8650 |
| Stddev | .3953  |
| %RSD   | 13.798 |

|    |        |
|----|--------|
| #1 | 2.9020 |
| #2 | 3.2405 |
| #3 | 2.4525 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2279.3 | 39622. | 3304.4 | 44.833 | 3629.7 |
| Stddev    | .4     | 60.    | 8.1    | 1.246  | 4.9    |
| %RSD      | .01833 | .15170 | .24505 | 2.7789 | .13378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2279.8 | 39691. | 3298.0 | 45.717 | 3624.5 |
| #2 | 2279.2 | 39582. | 3313.5 | 45.375 | 3634.2 |
| #3 | 2279.0 | 39592. | 3301.7 | 43.408 | 3630.4 |

Sample Name: K2086-04      Acquired: 3/28/2019 16:22:43      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-18      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .09963 | .00162 | .24995 | .03986 | -.00270 | 38.817 | .29622 |
| Stddev | .00553 | .00073 | .00183 | .00373 | .00299  | .019   | .00191 |
| %RSD   | 5.5527 | 44.713 | .73172 | 9.3646 | 110.91  | .04991 | .64536 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .10574 | .00198 | .24834 | .03603 | -.00317 | 38.813 | .29440 |
| #2 | .09817 | .00210 | .25194 | .04008 | .00050  | 38.800 | .29821 |
| #3 | .09497 | .00079 | .24957 | .04349 | -.00543 | 38.838 | .29605 |

|        |         |        |          |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01309 | .01324 | F 2414.8 | .13747 | .08464 | .74455 | 177.14 |
| Stddev | .00051  | .00015 | 29.8     | .00057 | .00102 | .00355 | 1.14   |
| %RSD   | 3.9243  | 1.1316 | 1.2339   | .41395 | 1.2008 | .47741 | .64132 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01361 | .01312 | 2436.3 | .13725 | .08421 | .74330 | 178.30 |
| #2 | -.01308 | .01341 | 2427.3 | .13704 | .08580 | .74856 | 176.03 |
| #3 | -.01258 | .01321 | 2380.8 | .13811 | .08391 | .74179 | 177.10 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.4473 | 1716.2 | .17875 | -.06418 | 4.4880 | .23851 | .55558 |
| Stddev | .0060  | 8.1    | .00031 | .00107  | .0331  | .00185 | .00143 |
| %RSD   | .17414 | .47028 | .17534 | 1.6714  | .73790 | .77755 | .25723 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.4507 | 1707.0 | .17853 | -.06294 | 4.4622 | .23944 | .55491 |
| #2 | 3.4403 | 1719.6 | .17911 | -.06477 | 4.5253 | .23637 | .55722 |
| #3 | 3.4507 | 1722.0 | .17861 | -.06482 | 4.4763 | .23971 | .55461 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 6.6336 | .01434 | .70823 | F 22.786 | 1.5270 | .02538 | 2.7608 |
| Stddev | .0526  | .00030 | .04834 | .074     | .0327  | .00204 | .0082  |
| %RSD   | .79264 | 2.0734 | 6.8252 | .32603   | 2.1444 | 8.0369 | .29595 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.5729 | .01412 | .76370 | 22.702 | 1.5647 | .02580 | 2.7689 |
| #2 | 6.6630 | .01468 | .68583 | 22.844 | 1.5059 | .02717 | 2.7610 |
| #3 | 6.6650 | .01422 | .67515 | 22.812 | 1.5104 | .02316 | 2.7525 |

Sample Name: K2086-04      Acquired: 3/28/2019 16:22:43      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-18      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .23249 | 5.488  | .75546 | <.00000 | F<.00000 |
| Stddev    | .00167 | .012   | .01254 | .95504  | 3.4608   |
| %RSD      | .71765 | .2189  | 1.6599 | 13.212  | 1.1173   |
| #1        | .23389 | 5.475  | .76088 | -6.7547 | -313.23  |
| #2        | .23064 | 5.495  | .76438 | -6.6032 | -306.31  |
| #3        | .23294 | 5.496  | .74112 | -8.3279 | -309.70  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2691.7 | 32671. | 3106.3 | 34.726  | 2354.6   |
| Stddev    | 5.4    | 62.    | 41.3   | .867    | 3.4      |
| %RSD      | .19937 | .18988 | 1.3284 | 2.4954  | .14564   |
| #1        | 2689.3 | 32603. | 3065.8 | 34.958  | 2353.6   |
| #2        | 2687.9 | 32726. | 3104.7 | 35.452  | 2351.8   |
| #3        | 2697.8 | 32683. | 3148.3 | 33.767  | 2358.4   |

Sample Name: K2086-05      Acquired: 3/28/2019 16:27:08      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P-5(0-10)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .05040 | .00294 | .07141 | .03960 | -.00202 | 29.149 | .21148 |
| Stddev | .00193 | .00172 | .00151 | .00206 | .00245  | .097   | .00113 |
| %RSD   | 3.8262 | 58.594 | 2.1169 | 5.1891 | 121.44  | .33264 | .53599 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .05247 | .00257 | .07093 | .04189 | -.00428 | 29.039 | .21102 |
| #2 | .05007 | .00143 | .07310 | .03902 | -.00235 | 29.223 | .21065 |
| #3 | .04865 | .00481 | .07020 | .03791 | .00058  | 29.184 | .21277 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01078 | .00465 | 1200.4 | .08011 | .08104 | .80541 | 132.42 |
| Stddev | .00022  | .00015 | 2.5    | .00110 | .00039 | .00366 | .82    |
| %RSD   | 2.0264  | 3.2796 | .20759 | 1.3699 | .47910 | .45401 | .62152 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01059 | .00450 | 1198.3 | .07891 | .08071 | .80269 | 131.69 |
| #2 | -.01102 | .00464 | 1199.8 | .08036 | .08147 | .80398 | 133.31 |
| #3 | -.01072 | .00481 | 1203.2 | .08106 | .08093 | .80957 | 132.26 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.0232 | 829.58 | .12792 | -.03781 | 2.5015 | .14196 | .35540 |
| Stddev | .0031  | 3.85   | .00138 | .00076  | .0147  | .00098 | .00074 |
| %RSD   | .15077 | .46393 | 1.0750 | 2.0218  | .58578 | .68749 | .20751 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.0212 | 825.29 | .12930 | -.03706 | 2.4981 | .14084 | .35623 |
| #2 | 2.0268 | 832.74 | .12790 | -.03778 | 2.5176 | .14261 | .35483 |
| #3 | 2.0218 | 830.70 | .12655 | -.03858 | 2.4889 | .14242 | .35513 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5255 | .00968 | .02609 | 7.7076 | .73641 | .01534 | 1.4249 |
| Stddev | .0404  | .00021 | .01229 | .0379  | .01268 | .00143 | .0057  |
| %RSD   | .61851 | 2.1701 | 47.101 | .49158 | 1.7221 | 9.3277 | .39901 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.5055 | .00947 | .01205 | 7.6733 | .75023 | .01485 | 1.4293 |
| #2 | 6.4991 | .00967 | .03489 | 7.7482 | .73368 | .01422 | 1.4185 |
| #3 | 6.5720 | .00989 | .03133 | 7.7013 | .72532 | .01696 | 1.4269 |

Sample Name: K2086-05      Acquired: 3/28/2019 16:27:08      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P-5(0-10)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .10492 | 6.786  | .17226 | <.00000 | F<.00000 |
| Stddev    | .00081 | .017   | .00153 | .20920  | 2.5030   |
| %RSD      | .76987 | .2455  | .88664 | 5.2720  | 1.1726   |
| #1        | .10399 | 6.787  | .17331 | -4.2080 | -210.65  |
| #2        | .10550 | 6.803  | .17051 | -3.8734 | -214.26  |
| #3        | .10525 | 6.769  | .17296 | -3.8232 | -215.46  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2962.5 | 35597. | 3252.8 | 36.281  | 2751.7   |
| Stddev    | 5.1    | 179.   | 6.8    | 3.361   | 10.2     |
| %RSD      | .17273 | .50381 | .20912 | 9.2640  | .37003   |
| #1        | 2968.4 | 35713. | 3256.1 | 38.780  | 2750.7   |
| #2        | 2960.2 | 35390. | 3244.9 | 37.604  | 2742.1   |
| #3        | 2958.9 | 35687. | 3257.2 | 32.460  | 2762.4   |

Sample Name: K2086-06      Acquired: 3/28/2019 16:31:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-20      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .04832 | .00795 | .09803 | .03606 | -.00285 | 26.493 | .22372 |
| Stddev | .00571 | .00116 | .00101 | .00375 | .00207  | .193   | .00248 |
| %RSD   | 11.816 | 14.605 | 1.0292 | 10.409 | 72.755  | .72689 | 1.1072 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .04372 | .00928 | .09801 | .03896 | -.00461 | 26.715 | .22593 |
| #2 | .04653 | .00713 | .09905 | .03182 | -.00338 | 26.370 | .22419 |
| #3 | .05471 | .00744 | .09703 | .03739 | -.00056 | 26.394 | .22104 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00221 | .00296 | 959.97 | .05655 | .07465 | .26145 | 110.48 |
| Stddev | .00015  | .00019 | 5.86   | .00072 | .00011 | .00035 | .56    |
| %RSD   | 6.9099  | 6.2816 | .61012 | 1.2801 | .14856 | .13254 | .50786 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00203 | .00301 | 953.22 | .05655 | .07452 | .26137 | 110.99 |
| #2 | -.00231 | .00311 | 963.72 | .05582 | .07472 | .26183 | 109.88 |
| #3 | -.00228 | .00275 | 962.97 | .05727 | .07470 | .26115 | 110.58 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.3853 | 647.60 | .15805 | -.02921 | 1.3998 | .07615 | .25914 |
| Stddev | .0005  | 1.61   | .00105 | .00041  | .0134  | .00092 | .00038 |
| %RSD   | .03550 | .24922 | .66303 | 1.4095  | .95567 | 1.2106 | .14602 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.3848 | 647.89 | .15784 | -.02953 | 1.4024 | .07708 | .25923 |
| #2 | 1.3854 | 645.86 | .15713 | -.02875 | 1.3854 | .07524 | .25947 |
| #3 | 1.3858 | 649.05 | .15920 | -.02935 | 1.4118 | .07612 | .25872 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 15.338 | .00145 | .03562 | F 52.764 | .86820 | -.00752 | .35836 |
| Stddev | .091   | .00028 | .01213 | .010     | .00682 | .00141  | .00632 |
| %RSD   | .59492 | 19.061 | 34.054 | .01824   | .78538 | 18.736  | 1.7629 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 15.433 | .00121 | .02208 | 52.766 | .86162 | -.00601 | .36370 |
| #2 | 15.251 | .00175 | .04551 | 52.773 | .87524 | -.00776 | .35138 |
| #3 | 15.330 | .00140 | .03927 | 52.754 | .86776 | -.00880 | .36000 |



Sample Name: K2086-06      Acquired: 3/28/2019 16:31:28      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-20      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .12294 | 6.097  | .32849 | <.00000 | F<.00000 |
| Stddev    | .00191 | .010   | .00338 | .36635  | .13957   |
| %RSD      | 1.5506 | .1568  | 1.0277 | 10.050  | .08857   |
| #1        | .12231 | 6.086  | .32486 | -3.2876 | -157.44  |
| #2        | .12508 | 6.105  | .33154 | -4.0198 | -157.72  |
| #3        | .12143 | 6.100  | .32907 | -3.6288 | -157.55  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3008.0 | 35923. | 3231.2 | 39.024  | 2876.4   |
| Stddev    | 8.8    | 36.    | 21.0   | 1.407   | 7.4      |
| %RSD      | .29415 | .10078 | .65119 | 3.6050  | .25646   |
| #1        | 3000.6 | 35922. | 3254.8 | 40.169  | 2868.3   |
| #2        | 3005.5 | 35960. | 3214.4 | 37.453  | 2882.8   |
| #3        | 3017.8 | 35887. | 3224.4 | 39.449  | 2878.2   |

Sample Name: K2086-07      Acquired: 3/28/2019 16:35:50      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-21      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .12676 | .01002 | .16101 | .05574 | -.00185 | 51.910 | .58699 |
| Stddev | .00070 | .00189 | .00175 | .00231 | .00300  | .551   | .00524 |
| %RSD   | .55600 | 18.820 | 1.0884 | 4.1448 | 162.05  | 1.0616 | .89208 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .12617 | .01206 | .16189 | .05311 | .00094  | 51.600 | .58513 |
| #2 | .12754 | .00834 | .15899 | .05668 | -.00503 | 52.547 | .59290 |
| #3 | .12657 | .00966 | .16214 | .05744 | -.00147 | 51.585 | .58293 |

|        |         |        |          |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01971 | .02151 | F 2239.4 | .30728 | .12072 | 1.1061 | 292.56 |
| Stddev | .00015  | .00016 | 11.1     | .00242 | .00040 | .0123  | 1.33   |
| %RSD   | .74551  | .73454 | .49745   | .78625 | .32889 | 1.1092 | .45311 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01988 | .02150 | 2234.9 | .30721 | .12055 | 1.1203 | 291.95 |
| #2 | -.01959 | .02136 | 2231.3 | .30973 | .12044 | 1.1002 | 294.08 |
| #3 | -.01968 | .02167 | 2252.1 | .30490 | .12118 | 1.0980 | 291.64 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.6368 | 1448.9 | .27605 | -.07226 | 4.1364 | .25228 | 1.1396 |
| Stddev | .0116  | 9.9    | .00171 | .00146  | .0427  | .00295 | .0040  |
| %RSD   | .24975 | .68374 | .62012 | 2.0218  | 1.0316 | 1.1696 | .35484 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.6370 | 1446.0 | .27534 | -.07066 | 4.1338 | .24888 | 1.1357 |
| #2 | 4.6483 | 1459.9 | .27480 | -.07353 | 4.1803 | .25395 | 1.1438 |
| #3 | 4.6252 | 1440.7 | .27800 | -.07260 | 4.0951 | .25403 | 1.1395 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.471 | .07892 | -.03028 | F 28.676 | 1.8717 | .03802 | 1.3808 |
| Stddev | .205   | .00056 | .01842  | .017     | .0155  | .00078 | .0050  |
| %RSD   | 1.3239 | .71559 | 60.842  | .05874   | .82961 | 2.0641 | .36310 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.368 | .07936 | -.03332 | 28.675 | 1.8858 | .03764 | 1.3811 |
| #2 | 15.707 | .07828 | -.04700 | 28.693 | 1.8551 | .03892 | 1.3757 |
| #3 | 15.338 | .07912 | -.01053 | 28.659 | 1.8743 | .03750 | 1.3857 |

Sample Name: K2086-07      Acquired: 3/28/2019 16:35:50      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-21      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .22937 | F 12.42 | 1.1388 | <.00000 | F<.00000 |
| Stddev | .00138 | .04     | .0092  | .70128  | 7.2112   |
| %RSD   | .60306 | .2973   | .80301 | 10.416  | 1.0727   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .22832 | 12.39 | 1.1433 | -5.9392 | -680.46 |
| #2 | .22885 | 12.40 | 1.1283 | -7.2694 | -667.03 |
| #3 | .23094 | 12.46 | 1.1449 | -6.9894 | -669.19 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2725.4 | 33195. | 3146.6 | 34.801 | 2404.8 |
| Stddev    | 23.5   | 179.   | 27.9   | 1.297  | 10.4   |
| %RSD      | .86132 | .54016 | .88653 | 3.7274 | .43348 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2708.9 | 33153. | 3126.6 | 35.759 | 2415.5 |
| #2 | 2715.0 | 33041. | 3178.5 | 35.319 | 2394.7 |
| #3 | 2752.3 | 33392. | 3134.8 | 33.325 | 2404.3 |

Sample Name: CCV04      Acquired: 3/28/2019 16:40:15      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2555 | 5.0691 | 5.1286 | 5.1795 | 5.2942 | 10.665 | 10.835 | .26428 |
| Stddev | .0115  | .0115  | .0101  | .0071  | .0053  | .121   | .095   | .00100 |
| %RSD   | .21812 | .22706 | .19668 | .13671 | .09946 | 1.1312 | .87473 | .37958 |
| #1     | 5.2634 | 5.0682 | 5.1235 | 5.1771 | 5.2996 | 10.665 | 10.923 | .26382 |
| #2     | 5.2607 | 5.0811 | 5.1222 | 5.1874 | 5.2890 | 10.785 | 10.848 | .26543 |
| #3     | 5.2424 | 5.0581 | 5.1403 | 5.1739 | 5.2941 | 10.544 | 10.734 | .26360 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5271 | 25.067 | 1.0056 | 2.5469 | 1.3371 | 4.9679 | 2.6131 | 25.623 |
| Stddev | .0032  | .044   | .0011  | .0045  | .0015  | .0238  | .0038  | .150   |
| %RSD   | .12697 | .17740 | .11022 | .17810 | .11176 | .47803 | .14401 | .58629 |
| #1     | 2.5241 | 25.027 | 1.0048 | 2.5471 | 1.3354 | 4.9610 | 2.6115 | 25.594 |
| #2     | 2.5266 | 25.059 | 1.0052 | 2.5423 | 1.3381 | 4.9944 | 2.6174 | 25.785 |
| #3     | 2.5305 | 25.115 | 1.0069 | 2.5514 | 1.3379 | 4.9485 | 2.6105 | 25.489 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5749 | 1.2720 | 25.081 | 2.6022 | 2.5838 | 26.788 | 5.2559 | 5.4255 |
| Stddev | .0055  | .0039  | .212   | .0071  | .0019  | .196   | .0030  | .0233  |
| %RSD   | .21525 | .30675 | .84450 | .27454 | .07280 | .73054 | .05758 | .43046 |
| #1     | 2.5692 | 1.2707 | 25.270 | 2.5977 | 2.5822 | 26.950 | 5.2525 | 5.4058 |
| #2     | 2.5752 | 1.2764 | 25.120 | 2.6105 | 2.5834 | 26.843 | 5.2584 | 5.4513 |
| #3     | 2.5803 | 1.2690 | 24.852 | 2.5985 | 2.5859 | 26.570 | 5.2568 | 5.4194 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1883 | 5.1645 | 4.9995 | 5.1293 | 5.0215 | 5.022  | 5.2684 | 5.2471 |
| Stddev | .0213  | .0539  | .0037  | .0274  | .0169  | .010   | .0247  | .4274  |
| %RSD   | .41001 | 1.0437 | .07433 | .53470 | .33700 | .2053  | .46832 | 8.1449 |
| #1     | 5.2101 | 5.1470 | 4.9959 | 5.0978 | 5.0259 | 5.031  | 5.2861 | 5.1520 |
| #2     | 5.1871 | 5.1215 | 5.0033 | 5.1423 | 5.0029 | 5.024  | 5.2402 | 5.7140 |
| #3     | 5.1676 | 5.2250 | 4.9993 | 5.1478 | 5.0358 | 5.011  | 5.2789 | 4.8753 |

Sample Name: CCV04      Acquired: 3/28/2019 16:40:15      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.8973 |
| Stddev | .7828    |
| %RSD   | 27.019   |

|    |        |
|----|--------|
| #1 | 3.7437 |
| #2 | 2.7489 |
| #3 | 2.1993 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3137.5 | 35901. | 3026.9 | 42.404 | 3410.2 |
| Stddev    | 1.5    | 130.   | 20.1   | 1.372  | 3.2    |
| %RSD      | .04682 | .36245 | .66264 | 3.2356 | .09242 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3136.0 | 35848. | 3037.9 | 43.639 | 3409.9 |
| #2 | 3138.9 | 35806. | 3039.0 | 42.647 | 3413.5 |
| #3 | 3137.5 | 36049. | 3003.7 | 40.927 | 3407.2 |

Sample Name: CCB04      Acquired: 3/28/2019 16:44:13      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |          |         |         |         |          |
|--------|----------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00142   | .00141  | -.00061 | .00461   | -.00078 | -.01055 | -.00169 | .00011   |
| Stddev | .00214   | .00077  | .00071  | .00264   | .00128  | .01073  | .00110  | .00007   |
| %RSD   | 150.10   | 54.656  | 116.71  | 57.262   | 163.68  | 101.75  | 64.947  | 60.064   |
| #1     | .00108   | .00211  | -.00003 | .00159   | .00070  | .00175  | -.00291 | .00004   |
| #2     | .00371   | .00058  | -.00039 | .00648   | -.00146 | -.01534 | -.00138 | .00018   |
| #3     | -.00052  | .00154  | -.00140 | .00575   | -.00159 | -.01804 | -.00078 | .00011   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00005  | -.01841 | .00124  | .00019   | -.00075 | -.01158 | -.00025 | -.08384  |
| Stddev | .00002   | .00917  | .00076  | .00004   | .00033  | .00052  | .00005  | .03378   |
| %RSD   | 45.247   | 49.820  | 61.318  | 23.812   | 43.654  | 4.4848  | 17.887  | 40.294   |
| #1     | -.00007  | -.02851 | .00140  | .00020   | -.00113 | -.01217 | -.00022 | -.09872  |
| #2     | -.00005  | -.01058 | .00191  | .00014   | -.00057 | -.01120 | -.00030 | -.10763  |
| #3     | -.00003  | -.01616 | .00041  | .00022   | -.00055 | -.01137 | -.00023 | -.04517  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00054   | -.00128 | -.03547 | -.00012  | .00133  | .10823  | .00016  | .00032   |
| Stddev | .00039   | .00047  | .00520  | .00016   | .00018  | .04462  | .00010  | .01373   |
| %RSD   | 72.370   | 36.407  | 14.663  | 140.68   | 13.715  | 41.228  | 63.935  | 4290.4   |
| #1     | .00013   | -.00075 | -.04054 | -.00017  | .00153  | .11280  | .00006  | -.01501  |
| #2     | .00090   | -.00164 | -.03573 | -.00024  | .00130  | .06150  | .00015  | .00448   |
| #3     | .00059   | -.00146 | -.03014 | .00007   | .00117  | .15039  | .00027  | .01149   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00746 | .00596  | -.00027 | F .01042 | .00105  | .0000   | -.00019 | F 3.7254 |
| Stddev | .00111   | .00028  | .00051  | .00187   | .00200  | .0028   | .00012  | .2871    |
| %RSD   | 14.822   | 4.6638  | 190.71  | 17.912   | 191.22  | 9045.   | 62.802  | 7.7069   |
| #1     | .00866   | .00613  | -.00070 | .01205   | -.00126 | .0031   | -.00006 | 3.7022   |
| #2     | .00725   | .00612  | .00029  | .00838   | .00230  | -.0004  | -.00030 | 3.4506   |
| #3     | .00648   | .00564  | -.00039 | .01082   | .00210  | -.0026  | -.00022 | 4.0234   |

Sample Name: CCB04      Acquired: 3/28/2019 16:44:13      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.4590 |
| Stddev | .8892    |
| %RSD   | 36.159   |

|    |        |
|----|--------|
| #1 | 2.6179 |
| #2 | 1.5011 |
| #3 | 3.2580 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3298.1 | 37351. | 3031.3 | 43.228 | 3842.0 |
| Stddev    | 7.0    | 176.   | 113.6  | 2.538  | 6.9    |
| %RSD      | .21374 | .47012 | 3.7463 | 5.8702 | .18036 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3303.9 | 37258. | 3085.7 | 45.025 | 3834.2 |
| #2 | 3300.0 | 37242. | 3107.4 | 44.333 | 3847.2 |
| #3 | 3290.2 | 37554. | 2900.7 | 40.325 | 3844.8 |

Sample Name: PB118343BL      Acquired: 3/28/2019 16:48:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00209  | .00141  | -.00093 | .00269   | -.00128 | -.01132 | -.00292 | .00004   |
| Stddev | .00151  | .00180  | .00109  | .00182   | .00256  | .00687  | .00124  | .00006   |
| %RSD   | 72.415  | 128.13  | 116.73  | 67.761   | 200.04  | 60.698  | 42.330  | 144.27   |
| #1     | .00201  | .00250  | -.00015 | .00454   | -.00023 | -.00467 | -.00233 | .00006   |
| #2     | .00062  | .00240  | -.00047 | .00263   | -.00420 | -.01840 | -.00209 | .00010   |
| #3     | .00364  | -.00067 | -.00217 | .00090   | .00059  | -.01090 | -.00435 | -.00003  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00010 | -.02421 | .00092  | -.00003  | -.00111 | -.01198 | -.00020 | -.08139  |
| Stddev | .00006  | .02490  | .00014  | .00021   | .00036  | .00080  | .00003  | .09406   |
| %RSD   | 55.542  | 102.84  | 14.875  | 602.98   | 32.013  | 6.6971  | 14.410  | 115.57   |
| #1     | -.00004 | -.02583 | .00107  | .00021   | -.00129 | -.01116 | -.00022 | .01659   |
| #2     | -.00011 | .00146  | .00081  | -.00016  | -.00070 | -.01201 | -.00019 | -.17098  |
| #3     | -.00015 | -.04826 | .00087  | -.00015  | -.00134 | -.01277 | -.00017 | -.08978  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00062  | -.00054 | -.07426 | -.00012  | .00114  | .11827  | -.00027 | .01174   |
| Stddev | .00021  | .00049  | .01314  | .00035   | .00016  | .05238  | .00006  | .02228   |
| %RSD   | 33.799  | 90.310  | 17.691  | 299.05   | 13.703  | 44.284  | 21.765  | 189.69   |
| #1     | .00087  | -.00097 | -.08685 | .00023   | .00132  | .15434  | -.00021 | -.00651  |
| #2     | .00049  | -.00001 | -.07531 | -.00010  | .00104  | .14229  | -.00029 | .00518   |
| #3     | .00051  | -.00063 | -.06063 | -.00048  | .00106  | .05820  | -.00032 | .03656   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00071 | .00362  | -.00079 | F .01141 | -.00321 | -.0007  | -.00010 | F 2.3203 |
| Stddev | .00673  | .00237  | .00051  | .00101   | .00162  | .0015   | .00012  | .2038    |
| %RSD   | 947.18  | 65.559  | 65.132  | 8.8809   | 50.468  | 215.1   | 118.06  | 8.7822   |
| #1     | -.00342 | .00113  | -.00021 | .01257   | -.00481 | -.0021  | -.00016 | 2.5546   |
| #2     | -.00566 | .00586  | -.00097 | .01085   | -.00323 | -.0008  | -.00017 | 2.2209   |
| #3     | .00695  | .00386  | -.00119 | .01079   | -.00158 | .0009   | .00004  | 2.1852   |



Sample Name: PB118343BL      Acquired: 3/28/2019 16:48:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1747  
Stddev      .4628  
%RSD      21.279

#1      2.4052  
#2      1.6420  
#3      2.4770

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3355.4 | 38092. | 3135.3 | 45.306 | 3910.0 |
| Stddev    | 4.0    | 225.   | 48.9   | .069   | 7.3    |
| %RSD      | .11948 | .59109 | 1.5602 | .15316 | .18675 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3355.4 | 38028. | 3188.9 | 45.250 | 3901.6 |
| #2 | 3359.5 | 37905. | 3124.2 | 45.383 | 3915.1 |
| #3 | 3351.4 | 38342. | 3092.9 | 45.283 | 3913.1 |

Sample Name: PB118343BS      Acquired: 3/28/2019 16:53:10      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77312 | 1.9072 | .94809 | 1.9283 | .77960 | 1.9702 | .20133 |
| Stddev | .00075 | .0052  | .00112 | .0022  | .00280 | .0084  | .00199 |
| %RSD   | .09722 | .27371 | .11835 | .11499 | .35970 | .42671 | .98660 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77350 | 1.9012 | .94907 | 1.9260 | .77651 | 1.9759 | .20327 |
| #2 | .77360 | 1.9107 | .94835 | 1.9286 | .78198 | 1.9605 | .19930 |
| #3 | .77225 | 1.9098 | .94687 | 1.9304 | .78033 | 1.9742 | .20143 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19956 | .18409 | .98060 | .38889 | .19162 | .32551 | 2.9204 |
| Stddev | .00061 | .00023 | .02480 | .00037 | .00013 | .00048 | .0085  |
| %RSD   | .30402 | .12311 | 2.5292 | .09565 | .06796 | .14595 | .29185 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20025 | .18434 | .96203 | .38852 | .19164 | .32496 | 2.9191 |
| #2 | .19914 | .18400 | 1.0088 | .38889 | .19148 | .32577 | 2.9295 |
| #3 | .19929 | .18391 | .97100 | .38926 | .19174 | .32579 | 2.9126 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20467 | 1.8529 | .48699 | .06904 | 2.8016 | .29945 | .19204 |
| Stddev | .00077 | .0501  | .00030 | .00088 | .0165  | .00093 | .00013 |
| %RSD   | .37386 | 2.7022 | .06228 | 1.2723 | .58768 | .31026 | .06708 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20379 | 1.8945 | .48706 | .06929 | 2.8188 | .29840 | .19191 |
| #2 | .20510 | 1.7973 | .48725 | .06807 | 2.7860 | .30017 | .19217 |
| #3 | .20513 | 1.8667 | .48666 | .06977 | 2.8000 | .29978 | .19205 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.087 | .38417 | .30003 | 8.8522 | .88048 | .62288 | .19825 |
| Stddev | .090   | .00168 | .01678 | .0346  | .00560 | .00325 | .00318 |
| %RSD   | .89712 | .43619 | 5.5942 | .39062 | .63589 | .52206 | 1.6058 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.168 | .38263 | .31637 | 8.8124 | .87683 | .61922 | .20005 |
| #2 | 10.103 | .38595 | .30088 | 8.8744 | .87769 | .62543 | .20012 |
| #3 | 9.9892 | .38394 | .28283 | 8.8698 | .88693 | .62400 | .19457 |

Sample Name: PB118343BS      Acquired: 3/28/2019 16:53:10      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19142 | 5.065  | .19074 | F 2.6687 | F<.00000 |
| Stddev | .00312 | .021   | .00011 | .4425    | .56872   |
| %RSD   | 1.6275 | .4113  | .05549 | 16.580   | 8.0404   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .18790 | 5.041 | .19062 | 2.9110 | -7.6973 |
| #2 | .19252 | 5.075 | .19077 | 2.9371 | -6.9385 |
| #3 | .19383 | 5.079 | .19083 | 2.1580 | -6.5841 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3306.0 | 37657. | 3097.9 | 45.264 | 3834.9 |
| Stddev    | 2.9    | 103.   | 9.2    | .055   | 7.4    |
| %RSD      | .08900 | .27422 | .29636 | .12258 | .19309 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3305.7 | 37554. | 3108.5 | 45.217 | 3828.8 |
| #2 | 3303.3 | 37657. | 3093.1 | 45.325 | 3832.8 |
| #3 | 3309.1 | 37760. | 3092.2 | 45.250 | 3843.1 |

Sample Name: PB118344BL      Acquired: 3/28/2019 16:57:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00046  | .00206  | -.00069 | -.00096  | -.00211 | -.01394 | -.00281 | .00009   |
| Stddev | .00195  | .00065  | .00123  | .00097   | .00195  | .01572  | .00115  | .00006   |
| %RSD   | 423.54  | 31.512  | 177.54  | 100.71   | 92.318  | 112.73  | 40.893  | 67.391   |
| #1     | -.00177 | .00171  | -.00071 | -.00196  | -.00044 | -.01504 | -.00402 | .00012   |
| #2     | .00186  | .00281  | -.00192 | -.00091  | -.00164 | -.02909 | -.00174 | .00012   |
| #3     | .00129  | .00167  | .00054  | -.00002  | -.00426 | .00229  | -.00266 | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00016 | -.00845 | .00113  | .00001   | -.00136 | -.01149 | -.00013 | -.08241  |
| Stddev | .00012  | .02223  | .00051  | .00003   | .00021  | .00045  | .00009  | .05847   |
| %RSD   | 74.022  | 263.07  | 45.522  | 639.53   | 15.168  | 3.8821  | 70.028  | 70.946   |
| #1     | -.00026 | -.01575 | .00139  | .00004   | -.00114 | -.01180 | -.00024 | -.13813  |
| #2     | -.00003 | -.02611 | .00054  | -.00001  | -.00154 | -.01168 | -.00008 | -.02153  |
| #3     | -.00019 | .01651  | .00146  | -.00002  | -.00141 | -.01098 | -.00008 | -.08758  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00083  | -.00092 | -.08653 | .00015   | .00076  | .08933  | -.00014 | .00377   |
| Stddev | .00015  | .00036  | .02035  | .00051   | .00016  | .07828  | .00025  | .00401   |
| %RSD   | 18.390  | 39.139  | 23.522  | 335.95   | 20.421  | 87.623  | 183.61  | 106.38   |
| #1     | .00078  | -.00053 | -.10595 | -.00017  | .00089  | .17785  | -.00023 | .00158   |
| #2     | .00071  | -.00101 | -.08829 | .00074   | .00059  | .02923  | .00015  | .00840   |
| #3     | .00100  | -.00124 | -.06536 | -.00011  | .00079  | .06093  | -.00033 | .00134   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00388  | .00373  | -.00195 | F .01059 | -.00282 | -.0013  | -.00006 | F 2.9217 |
| Stddev | .00305  | .00263  | .00124  | .00193   | .00059  | .0003   | .00012  | .1217    |
| %RSD   | 78.706  | 70.464  | 63.771  | 18.201   | 20.779  | 26.04   | 192.28  | 4.1652   |
| #1     | .00035  | .00170  | -.00224 | .01063   | -.00256 | -.0011  | .00006  | 2.8611   |
| #2     | .00572  | .00280  | -.00059 | .00865   | -.00241 | -.0016  | -.00017 | 2.8421   |
| #3     | .00556  | .00670  | -.00302 | .01251   | -.00349 | -.0010  | -.00008 | 3.0618   |

Sample Name: PB118344BL      Acquired: 3/28/2019 16:57:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.7273  
Stddev      .6101  
%RSD      35.324

#1      1.0365  
#2      2.1927  
#3      1.9527

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3324.4 | 37663. | 3074.2 | 45.153 | 3870.9 |
| Stddev    | 8.4    | 66.    | 19.3   | .814   | 6.3    |
| %RSD      | .25205 | .17507 | .62825 | 1.8023 | .16401 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3314.9 | 37693. | 3061.7 | 44.650 | 3863.6 |
| #2 | 3330.6 | 37709. | 3064.4 | 44.717 | 3875.0 |
| #3 | 3327.7 | 37588. | 3096.4 | 46.092 | 3874.2 |

Sample Name: PB118344BS      Acquired: 3/28/2019 17:01:46      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960    | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .79067 | 1.9567 | .97316 | 1.9812    | .79914 | 2.0130 | .20599 |
| Stddev | .00362 | .0076  | .00311 | .0062     | .00285 | .0139  | .00130 |
| %RSD   | .45821 | .38584 | .31943 | .31120    | .35622 | .69058 | .63348 |
| #1     | .79467 | 1.9641 | .97186 | 1.9849    | .79605 | 1.9998 | .20449 |
| #2     | .78973 | 1.9569 | .97671 | 1.9846    | .80165 | 2.0275 | .20690 |
| #3     | .78761 | 1.9490 | .97092 | 1.9740    | .79972 | 2.0115 | .20656 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677    | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .20514 | .19024 | .98613 | .40096    | .19693 | .32871 | 2.9927 |
| Stddev | .00064 | .00039 | .02289 | .00192    | .00037 | .00014 | .0061  |
| %RSD   | .31128 | .20256 | 2.3208 | .47838    | .18974 | .04300 | .20435 |
| #1     | .20546 | .18990 | .98078 | .40046    | .19733 | .32886 | 2.9952 |
| #2     | .20440 | .19066 | 1.0112 | .39935    | .19659 | .32869 | 2.9858 |
| #3     | .20555 | .19017 | .96638 | .40308    | .19687 | .32858 | 2.9973 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280    | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .20976 | 2.0125 | .50175 | .07148    | 2.8432 | .30892 | .19595 |
| Stddev | .00074 | .0298  | .00108 | .00018    | .0358  | .00122 | .00066 |
| %RSD   | .35252 | 1.4787 | .21617 | .24624    | 1.2597 | .39530 | .33554 |
| #1     | .20922 | 1.9967 | .50144 | .07169    | 2.8072 | .30905 | .19568 |
| #2     | .20946 | 1.9940 | .50296 | .07140    | 2.8788 | .30763 | .19670 |
| #3     | .21060 | 2.0468 | .50086 | .07137    | 2.8436 | .31006 | .19548 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.304 | .39821 | .30491 | F -.00289 | .91601 | .64481 | .20442 |
| Stddev | .043   | .00053 | .02739 | .00269    | .00657 | .00346 | .00068 |
| %RSD   | .42091 | .13421 | 8.9839 | 93.038    | .71763 | .53724 | .33082 |
| #1     | 10.258 | .39791 | .29022 | -.00400   | .92211 | .64878 | .20517 |
| #2     | 10.345 | .39882 | .33652 | .00018    | .90905 | .64326 | .20423 |
| #3     | 10.310 | .39788 | .28800 | -.00485   | .91688 | .64240 | .20385 |

Sample Name: PB118344BS      Acquired: 3/28/2019 17:01:46      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .19644 | 5.197  | .19707 | F 2.5872 | F<.00000 |
| Stddev    | .00098 | .009   | .00094 | .1434    | .48984   |
| %RSD      | .49915 | .1773  | .47548 | 5.5428   | 6.7748   |
| #1        | .19569 | 5.205  | .19745 | 2.5550   | -7.3968  |
| #2        | .19755 | 5.198  | .19777 | 2.4626   | -7.6152  |
| #3        | .19608 | 5.187  | .19601 | 2.7439   | -6.6789  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3335.1 | 37909. | 3089.0 | 44.628   | 3840.0   |
| Stddev    | 2.7    | 54.    | 22.5   | .569     | 2.5      |
| %RSD      | .08032 | .14353 | .72804 | 1.2756   | .06516   |
| #1        | 3333.2 | 37915. | 3065.4 | 45.283   | 3840.7   |
| #2        | 3334.0 | 37960. | 3110.1 | 44.342   | 3842.0   |
| #3        | 3338.2 | 37851. | 3091.5 | 44.258   | 3837.2   |

Sample Name: PB118356BL      Acquired: 3/28/2019 17:05:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00211  | .00130  | -.00195 | .00385   | -.00065 | -.00836 | -.00260 | .00004   |
| Stddev | .00236  | .00058  | .00018  | .00343   | .00091  | .01419  | .00160  | .00010   |
| %RSD   | 111.83  | 44.865  | 9.0968  | 88.982   | 140.23  | 169.76  | 61.602  | 218.43   |
| #1     | -.00062 | .00079  | -.00207 | .00781   | .00039  | -.01153 | -.00166 | .00014   |
| #2     | .00348  | .00193  | -.00175 | .00205   | -.00133 | -.02069 | -.00445 | .00005   |
| #3     | .00348  | .00117  | -.00204 | .00170   | -.00101 | .00715  | -.00169 | -.00005  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00003 | -.02904 | .00087  | .00023   | -.00184 | -.01032 | -.00003 | -.01848  |
| Stddev | .00007  | .04475  | .00046  | .00012   | .00049  | .00053  | .00006  | .02935   |
| %RSD   | 237.50  | 154.11  | 52.966  | 49.728   | 26.352  | 5.1804  | 224.63  | 158.79   |
| #1     | .00005  | -.00357 | .00040  | .00016   | -.00139 | -.00970 | -.00009 | -.01800  |
| #2     | -.00007 | -.00283 | .00089  | .00018   | -.00236 | -.01061 | -.00004 | .01062   |
| #3     | -.00007 | -.08070 | .00133  | .00037   | -.00179 | -.01065 | .00004  | -.04807  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00030  | -.00094 | -.10330 | .00041   | .00060  | .08372  | -.00013 | -.00254  |
| Stddev | .00007  | .00077  | .00359  | .00042   | .00003  | .03204  | .00027  | .01156   |
| %RSD   | 22.280  | 82.207  | 3.4754  | 101.43   | 5.1436  | 38.275  | 198.00  | 454.92   |
| #1     | .00032  | -.00091 | -.09915 | .00005   | .00062  | .04942  | .00006  | -.00934  |
| #2     | .00023  | -.00173 | -.10533 | .00087   | .00056  | .11288  | -.00002 | -.00908  |
| #3     | .00036  | -.00018 | -.10541 | .00031   | .00062  | .08885  | -.00044 | .01080   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00372  | .00546  | -.00214 | F .01008 | -.00439 | -.0006  | -.00013 | F 2.9165 |
| Stddev | .00225  | .00401  | .00016  | .00327   | .00176  | .0019   | .00007  | .5093    |
| %RSD   | 60.504  | 73.415  | 7.5895  | 32.405   | 40.213  | 312.1   | 51.478  | 17.462   |
| #1     | .00632  | .00883  | -.00208 | .01234   | -.00373 | .0011   | -.00009 | 3.4563   |
| #2     | .00257  | .00651  | -.00201 | .01155   | -.00639 | -.0003  | -.00010 | 2.8484   |
| #3     | .00228  | .00103  | -.00232 | .00633   | -.00305 | -.0027  | -.00021 | 2.4446   |



Sample Name: PB118356BL      Acquired: 3/28/2019 17:05:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7132  
Stddev      1.0860  
%RSD      40.028

#1      1.7669  
#2      2.4737  
#3      3.8990

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3300.1 | 37661. | 3066.2 | 45.000 | 3846.5 |
| Stddev    | 10.3   | 234.   | 8.2    | 1.305  | 5.9    |
| %RSD      | .31320 | .62244 | .26642 | 2.9003 | .15441 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3288.3 | 37390. | 3063.3 | 46.058 | 3840.3 |
| #2 | 3307.5 | 37783. | 3059.8 | 45.400 | 3852.1 |
| #3 | 3304.5 | 37808. | 3075.4 | 43.542 | 3847.0 |

Sample Name: PB118356BS      Acquired: 3/28/2019 17:10:21      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75775 | 1.8771 | .93009 | 1.8991 | .75478 | 1.8822 | .19488 |
| Stddev | .00231 | .0068  | .00261 | .0078  | .00126 | .0071  | .00123 |
| %RSD   | .30517 | .36446 | .28029 | .41189 | .16705 | .37851 | .63238 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76037 | 1.8762 | .93011 | 1.8906 | .75475 | 1.8852 | .19377 |
| #2 | .75599 | 1.8708 | .92748 | 1.9061 | .75354 | 1.8741 | .19620 |
| #3 | .75690 | 1.8844 | .93269 | 1.9006 | .75606 | 1.8874 | .19466 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19501 | .18214 | .95848 | .38197 | .18800 | .31419 | 2.8557 |
| Stddev | .00036 | .00034 | .02034 | .00129 | .00037 | .00078 | .0095  |
| %RSD   | .18456 | .18731 | 2.1223 | .33701 | .19510 | .24771 | .33263 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19466 | .18207 | .94102 | .38049 | .18764 | .31329 | 2.8448 |
| #2 | .19499 | .18184 | .95360 | .38260 | .18838 | .31455 | 2.8619 |
| #3 | .19538 | .18251 | .98082 | .38281 | .18798 | .31472 | 2.8604 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19962 | 1.8261 | .47972 | .06743 | 2.6578 | .29541 | .18759 |
| Stddev | .00024 | .0519  | .00052 | .00099 | .0386  | .00262 | .00067 |
| %RSD   | .12019 | 2.8429 | .10802 | 1.4718 | 1.4513 | .88566 | .35523 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19947 | 1.8125 | .47988 | .06658 | 2.6192 | .29286 | .18767 |
| #2 | .19949 | 1.7823 | .47914 | .06852 | 2.6578 | .29809 | .18688 |
| #3 | .19990 | 1.8834 | .48014 | .06719 | 2.6964 | .29527 | .18821 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.7564 | .37561 | .28921 | F -.00372 | .86818 | .60509 | .19043 |
| Stddev | .0333  | .00112 | .02648 | .00331    | .00331 | .00250 | .00663 |
| %RSD   | .34174 | .29731 | 9.1550 | 88.847    | .38102 | .41263 | 3.4821 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.7711 | .37463 | .28088 | -.00659 | .86762 | .60712 | .19697 |
| #2 | 9.7182 | .37536 | .26790 | -.00010 | .87173 | .60230 | .19060 |
| #3 | 9.7798 | .37683 | .31885 | -.00448 | .86519 | .60584 | .18371 |

Sample Name: PB118356BS      Acquired: 3/28/2019 17:10:21      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .18752 | 4.989  | .18678 | F 1.0702 | F<.00000 |
| Stddev    | .00270 | .028   | .00048 | .8251    | .84092   |
| %RSD      | 1.4387 | .5524  | .25874 | 77.093   | 10.616   |
| #1        | .18959 | 4.992  | .18662 | 2.0205   | -7.3962  |
| #2        | .18447 | 4.960  | .18733 | .53613   | -8.8912  |
| #3        | .18850 | 5.015  | .18640 | .65405   | -7.4766  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3413.8 | 38920. | 3156.3 | 44.636   | 3933.7   |
| Stddev    | 4.0    | 60.    | 16.9   | .132     | 9.2      |
| %RSD      | .11587 | .15478 | .53529 | .29539   | .23378   |
| #1        | 3410.5 | 38903. | 3139.4 | 44.667   | 3923.1   |
| #2        | 3412.7 | 38870. | 3156.3 | 44.750   | 3937.8   |
| #3        | 3418.2 | 38987. | 3173.2 | 44.492   | 3940.0   |

Sample Name: PB118372BL      Acquired: 3/28/2019 17:14:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118372BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00023 | .00137  | -.00133 | .00279   | -.00080 | -.02352 | -.00226 | .00000   |
| Stddev | .00240  | .00008  | .00129  | .00170   | .00053  | .02017  | .00015  | .00001   |
| %RSD   | 1061.6  | 6.1371  | 96.927  | 60.923   | 65.885  | 85.745  | 6.7944  | 820.39   |
| #1     | .00247  | .00136  | .00016  | .00115   | -.00042 | -.03772 | -.00240 | -.00001  |
| #2     | -.00105 | .00146  | -.00205 | .00454   | -.00141 | -.00044 | -.00209 | .00000   |
| #3     | -.00211 | .00129  | -.00210 | .00268   | -.00059 | -.03241 | -.00228 | .00001   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002  | -.01616 | .00088  | .00017   | -.00161 | -.00873 | .00009  | -.11054  |
| Stddev | .00006  | .01527  | .00012  | .00029   | .00040  | .00108  | .00012  | .06460   |
| %RSD   | 226.15  | 94.484  | 13.769  | 175.30   | 24.557  | 12.373  | 133.65  | 58.444   |
| #1     | -.00002 | -.02520 | .00074  | .00043   | -.00155 | -.00903 | -.00001 | -.17772  |
| #2     | .00008  | -.02476 | .00097  | .00022   | -.00204 | -.00962 | .00006  | -.10503  |
| #3     | .00001  | .00147  | .00093  | -.00015  | -.00125 | -.00753 | .00023  | -.04887  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00064  | -.00102 | -.11192 | .00023   | .00059  | .05006  | -.00048 | .01113   |
| Stddev | .00035  | .00091  | .01240  | .00045   | .00008  | .02509  | .00011  | .01188   |
| %RSD   | 54.717  | 89.396  | 11.075  | 190.84   | 14.405  | 50.129  | 23.733  | 106.74   |
| #1     | .00024  | -.00003 | -.12376 | -.00027  | .00065  | .06681  | -.00060 | -.00245  |
| #2     | .00090  | -.00122 | -.11297 | .00041   | .00049  | .06216  | -.00046 | .01623   |
| #3     | .00076  | -.00182 | -.09904 | .00057   | .00061  | .02121  | -.00037 | .01962   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00209  | .00080  | -.00243 | F .01075 | -.00491 | -.0020  | -.00015 | F 3.0611 |
| Stddev | .00321  | .00121  | .00082  | .00126   | .00051  | .0014   | .00012  | .3919    |
| %RSD   | 153.98  | 150.92  | 33.727  | 11.689   | 10.398  | 68.39   | 80.560  | 12.803   |
| #1     | -.00070 | .00076  | -.00337 | .01134   | -.00532 | -.0032  | -.00015 | 2.6433   |
| #2     | .00135  | -.00039 | -.00192 | .01160   | -.00434 | -.0005  | -.00003 | 3.1192   |
| #3     | .00560  | .00204  | -.00199 | .00931   | -.00507 | -.0022  | -.00028 | 3.4207   |

Sample Name: PB118372BL      Acquired: 3/28/2019 17:14:28      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB118372BL      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.0135 |
| Stddev | 1.0482   |
| %RSD   | 52.059   |

|    |        |
|----|--------|
| #1 | 2.1491 |
| #2 | 2.9873 |
| #3 | .90410 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3273.3 | 37307. | 3069.8 | 43.289 | 3822.4 |
| Stddev    | 9.6    | 46.    | 14.3   | 1.077  | 12.1   |
| %RSD      | .29366 | .12413 | .46463 | 2.4880 | .31758 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3271.6 | 37332. | 3075.1 | 42.392 | 3836.3 |
| #2 | 3264.7 | 37253. | 3080.6 | 44.483 | 3813.7 |
| #3 | 3283.7 | 37335. | 3053.6 | 42.992 | 3817.2 |

Sample Name: PB118372BS      Acquired: 3/28/2019 17:18:56      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118372BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .78047 | 1.9402 | .95997 | 1.9501 | .78045 | 1.9399 | .19991 |
| Stddev | .00404 | .0164  | .00845 | .0193  | .00265 | .0254  | .00017 |
| %RSD   | .51736 | .84261 | .87999 | .99204 | .33961 | 1.3097 | .08308 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78496 | 1.9588 | .96960 | 1.9724 | .78347 | 1.9177 | .20007 |
| #2 | .77713 | 1.9280 | .95381 | 1.9401 | .77850 | 1.9345 | .19974 |
| #3 | .77932 | 1.9338 | .95650 | 1.9378 | .77938 | 1.9676 | .19994 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20037 | .18762 | .99412 | .39121 | .19426 | .32368 | 2.9198 |
| Stddev | .00039 | .00139 | .01204 | .00242 | .00144 | .00217 | .0107  |
| %RSD   | .19300 | .74207 | 1.2113 | .61778 | .74150 | .66921 | .36509 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20039 | .18920 | 1.0078 | .38971 | .19592 | .32603 | 2.9193 |
| #2 | .19997 | .18658 | .98941 | .38991 | .19345 | .32177 | 2.9094 |
| #3 | .20075 | .18707 | .98514 | .39400 | .19341 | .32324 | 2.9307 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20473 | 1.8660 | .49541 | .06942 | 2.7379 | .30152 | .19376 |
| Stddev | .00060 | .0688  | .00499 | .00089 | .0253  | .00181 | .00127 |
| %RSD   | .29146 | 3.6847 | 1.0074 | 1.2795 | .92218 | .60101 | .65322 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20462 | 1.8407 | .50062 | .06889 | 2.7178 | .29988 | .19513 |
| #2 | .20419 | 1.9438 | .49067 | .06893 | 2.7296 | .30120 | .19263 |
| #3 | .20537 | 1.8134 | .49495 | .07045 | 2.7662 | .30346 | .19351 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.014 | .38883 | .28768 | F -.00760 | .89860 | .62925 | .20117 |
| Stddev | .042   | .00236 | .01532 | .00287    | .00666 | .00455 | .00182 |
| %RSD   | .42340 | .60695 | 5.3239 | 37.763    | .74101 | .72322 | .90396 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.9961 | .39155 | .28699 | -.01077 | .90138 | .63428 | .20098 |
| #2 | 9.9842 | .38727 | .27272 | -.00685 | .89100 | .62540 | .19946 |
| #3 | 10.063 | .38769 | .30333 | -.00518 | .90342 | .62809 | .20308 |

Sample Name: PB118372BS      Acquired: 3/28/2019 17:18:56      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB118372BS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .19079 | 5.155  | .19303 | F 1.9246 | F<.00000 |
| Stddev    | .00075 | .047   | .00104 | .2937    | .59117   |
| %RSD      | .39138 | .9130  | .54002 | 15.262   | 7.2444   |
| #1        | .19001 | 5.209  | .19235 | 1.6538   | -8.6948  |
| #2        | .19087 | 5.136  | .19251 | 2.2368   | -7.5254  |
| #3        | .19149 | 5.121  | .19423 | 1.8830   | -8.2608  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3363.0 | 38514. | 3113.5 | 46.169   | 3864.7   |
| Stddev    | 13.0   | 35.    | 7.5    | .517     | 12.5     |
| %RSD      | .38656 | .08961 | .24059 | 1.1203   | .32231   |
| #1        | 3348.0 | 38476. | 3104.9 | 45.667   | 3850.7   |
| #2        | 3370.6 | 38523. | 3118.8 | 46.142   | 3874.4   |
| #3        | 3370.4 | 38544. | 3116.6 | 46.700   | 3869.1   |

Sample Name: PB118372TB      Acquired: 3/28/2019 17:23:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118344BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |         |         |         |         |         |
|--------|---------|---------|----------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00044  | -.00248 | -.00046  | .00406  | -.00095 | -.01595 | -.00382 | -.00001 |
| Stddev | .00402  | .00054  | .00017   | .00196  | .00073  | .00683  | .00062  | .00008  |
| %RSD   | 907.01  | 21.889  | 36.524   | 48.353  | 76.737  | 42.830  | 16.196  | 783.56  |
| #1     | .00116  | -.00191 | -.00060  | .00180  | -.00178 | -.00936 | -.00418 | -.00009 |
| #2     | -.00388 | -.00299 | -.00027  | .00532  | -.00069 | -.01548 | -.00416 | .00000  |
| #3     | .00405  | -.00252 | -.00049  | .00505  | -.00039 | -.02300 | -.00310 | .00006  |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00008 | .00269  | .00221   | .00002  | -.00181 | -.01083 | -.00041 | -.06894 |
| Stddev | .00005  | .01599  | .00013   | .00012  | .00049  | .00033  | .00004  | .04228  |
| %RSD   | 57.221  | 593.78  | 5.9000   | 714.93  | 26.934  | 3.0266  | 8.9463  | 61.336  |
| #1     | -.00006 | -.01496 | .00235   | .00005  | -.00149 | -.01065 | -.00043 | -.08993 |
| #2     | -.00013 | .00683  | .00209   | .00012  | -.00237 | -.01121 | -.00037 | -.09662 |
| #3     | -.00005 | .01620  | .00221   | -.00012 | -.00157 | -.01063 | -.00042 | -.02027 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00216  | .00035  | F 321.64 | .00046  | .00101  | .10376  | .00016  | .02643  |
| Stddev | .00061  | .00010  | 1.78     | .00025  | .00011  | .07885  | .00002  | .01132  |
| %RSD   | 28.431  | 27.477  | .55369   | 53.200  | 10.777  | 75.990  | 14.891  | 42.823  |
| #1     | .00286  | .00033  | 323.11   | .00031  | .00089  | .15385  | .00018  | .03563  |
| #2     | .00171  | .00027  | 319.66   | .00034  | .00105  | .14457  | .00014  | .01379  |
| #3     | .00191  | .00046  | 322.15   | .00075  | .00110  | .01287  | .00017  | .02985  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00560  | .00914  | -.00186  | .01059  | -.00115 | -.0003  | -.00009 | 3.4146  |
| Stddev | .00183  | .00177  | .00009   | .00164  | .00068  | .0009   | .00002  | .6895   |
| %RSD   | 32.642  | 19.334  | 5.0278   | 15.467  | 58.681  | 345.8   | 24.886  | 20.191  |
| #1     | .00690  | .00805  | -.00180  | .01237  | -.00189 | -.0013  | -.00009 | 2.8286  |
| #2     | .00351  | .01118  | -.00181  | .00913  | -.00100 | .0000   | -.00007 | 4.1743  |
| #3     | .00639  | .00819  | -.00196  | .01028  | -.00057 | .0005   | -.00012 | 3.2410  |



Sample Name: PB118372TB      Acquired: 3/28/2019 17:23:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118344BL      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.3962 |
| Stddev | 1.3998 |
| %RSD   | 31.842 |

|    |        |
|----|--------|
| #1 | 5.1348 |
| #2 | 2.7817 |
| #3 | 5.2720 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3179.7 | 37145. | 3177.4 | 44.681 | 3502.4 |
| Stddev    | 4.3    | 47.    | 13.0   | 1.507  | 11.8   |
| %RSD      | .13448 | .12694 | .40866 | 3.3737 | .33720 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3175.8 | 37091. | 3162.4 | 45.617 | 3502.8 |
| #2 | 3179.0 | 37165. | 3183.6 | 42.942 | 3490.4 |
| #3 | 3184.3 | 37179. | 3186.1 | 45.483 | 3514.0 |

Sample Name: PB118374BL      Acquired: 3/28/2019 17:27:40      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00005 | .00040  | -.00201 | .00367   | .00141  | -.00322 | -.00207 | .00012   |
| Stddev | .00151  | .00096  | .00079  | .00211   | .00149  | .00992  | .00165  | .00003   |
| %RSD   | 2993.1  | 240.33  | 39.030  | 57.582   | 105.37  | 307.63  | 79.524  | 22.195   |
| #1     | -.00149 | -.00023 | -.00292 | .00209   | .00282  | -.00775 | -.00039 | .00012   |
| #2     | .00152  | .00150  | -.00153 | .00607   | .00156  | .00815  | -.00214 | .00015   |
| #3     | -.00018 | -.00007 | -.00159 | .00285   | -.00014 | -.01007 | -.00369 | .00010   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004 | -.00601 | .00100  | .00015   | -.00174 | -.00722 | .00011  | -.08065  |
| Stddev | .00003  | .01605  | .00039  | .00014   | .00020  | .00107  | .00004  | .00785   |
| %RSD   | 64.464  | 267.01  | 39.108  | 93.200   | 11.747  | 14.818  | 33.405  | 9.7308   |
| #1     | -.00006 | .00355  | .00122  | -.00001  | -.00194 | -.00665 | .00008  | -.08553  |
| #2     | -.00001 | .00296  | .00055  | .00019   | -.00154 | -.00656 | .00011  | -.08483  |
| #3     | -.00005 | -.02454 | .00123  | .00026   | -.00174 | -.00846 | .00015  | -.07160  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00074  | -.00121 | .17278  | .00003   | .00046  | .11380  | -.00006 | .00019   |
| Stddev | .00017  | .00094  | .00841  | .00038   | .00002  | .02696  | .00034  | .00178   |
| %RSD   | 23.371  | 77.815  | 4.8695  | 1140.1   | 4.6470  | 23.691  | 544.10  | 953.50   |
| #1     | .00090  | -.00222 | .18237  | -.00008  | .00044  | .12928  | .00023  | -.00187  |
| #2     | .00076  | -.00036 | .16936  | .00046   | .00047  | .12945  | .00002  | .00110   |
| #3     | .00056  | -.00105 | .16662  | -.00028  | .00048  | .08267  | -.00043 | .00133   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00154  | .00469  | -.00199 | F .01032 | -.00125 | -.0015  | -.00001 | F 2.7036 |
| Stddev | .00390  | .00055  | .00053  | .00299   | .00098  | .0007   | .00013  | .3289    |
| %RSD   | 253.41  | 11.792  | 26.517  | 28.999   | 78.516  | 43.50   | 2020.4  | 12.166   |
| #1     | -.00280 | .00526  | -.00231 | .01258   | -.00124 | -.0011  | -.00001 | 2.6129   |
| #2     | .00265  | .00415  | -.00138 | .01146   | -.00223 | -.0012  | -.00014 | 3.0683   |
| #3     | .00476  | .00465  | -.00228 | .00693   | -.00027 | -.0022  | .00013  | 2.4296   |

Sample Name: PB118374BL      Acquired: 3/28/2019 17:27:40      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5594  
Stddev      .6658  
%RSD      26.013

#1      2.1299  
#2      2.2219  
#3      3.3263

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3318.1 | 37966. | 3080.2 | 43.133 | 3872.6 |
| Stddev    | 5.0    | 95.    | 3.7    | 1.474  | 5.6    |
| %RSD      | .15128 | .24933 | .11992 | 3.4162 | .14427 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3315.0 | 37875. | 3076.1 | 42.858 | 3879.0 |
| #2 | 3315.3 | 37960. | 3081.4 | 41.817 | 3868.6 |
| #3 | 3323.9 | 38064. | 3083.2 | 44.725 | 3870.3 |

Sample Name: CCV05      Acquired: 3/28/2019 17:36:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1457 | 4.9794 | 5.0129 | 5.0539 | 5.1664 | 10.339 | 10.440 | .25613   |
| Stddev | .0067  | .0162  | .0058  | .0115  | .0070  | .072   | .087   | .00160   |
| %RSD   | .13002 | .32537 | .11567 | .22791 | .13492 | .69870 | .83431 | .62458   |
| #1     | 5.1410 | 4.9636 | 5.0150 | 5.0640 | 5.1688 | 10.387 | 10.500 | .25690   |
| #2     | 5.1534 | 4.9786 | 5.0064 | 5.0564 | 5.1718 | 10.256 | 10.340 | .25429   |
| #3     | 5.1428 | 4.9960 | 5.0174 | 5.0414 | 5.1585 | 10.375 | 10.480 | .25719   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4681 | 24.449 | .97328 | 2.4898 | 1.3075 | 4.7991 | 2.5296 | 24.960   |
| Stddev | .0016  | .134   | .00801 | .0009  | .0008  | .0188  | .0100  | .095     |
| %RSD   | .06383 | .54938 | .82272 | .03589 | .06000 | .39222 | .39585 | .38098   |
| #1     | 2.4681 | 24.554 | .97309 | 2.4908 | 1.3080 | 4.8034 | 2.5325 | 25.070   |
| #2     | 2.4666 | 24.298 | .96537 | 2.4891 | 1.3080 | 4.7785 | 2.5184 | 24.909   |
| #3     | 2.4697 | 24.497 | .98138 | 2.4896 | 1.3066 | 4.8154 | 2.5378 | 24.902   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5205 | 1.2369 | 24.327 | 2.5175 | 2.5393 | 25.984 | 5.1544 | 5.2459   |
| Stddev | .0025  | .0043  | .185   | .0140  | .0023  | .286   | .0038  | .0454    |
| %RSD   | .09818 | .34848 | .75999 | .55404 | .09205 | 1.1020 | .07421 | .86535   |
| #1     | 2.5178 | 1.2418 | 24.426 | 2.5240 | 2.5366 | 26.170 | 5.1573 | 5.2794   |
| #2     | 2.5227 | 1.2354 | 24.114 | 2.5015 | 2.5409 | 25.654 | 5.1557 | 5.1942   |
| #3     | 2.5210 | 1.2336 | 24.442 | 2.5270 | 2.5403 | 26.127 | 5.1501 | 5.2641   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0958 | 5.0279 | 4.9253 | 4.9987 | 4.9105 | 4.935  | 5.1454 | F 3.4890 |
| Stddev | .0115  | .0203  | .0078  | .0278  | .0078  | .007   | .0203  | .4655    |
| %RSD   | .22598 | .40348 | .15750 | .55643 | .15862 | .1357  | .39522 | 13.341   |
| #1     | 5.0892 | 5.0046 | 4.9174 | 5.0278 | 4.9089 | 4.935  | 5.1422 | 3.2979   |
| #2     | 5.1090 | 5.0381 | 4.9329 | 4.9723 | 4.9036 | 4.928  | 5.1268 | 3.1496   |
| #3     | 5.0890 | 5.0411 | 4.9255 | 4.9959 | 4.9190 | 4.941  | 5.1671 | 4.0197   |

Sample Name: CCV05      Acquired: 3/28/2019 17:36:36      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.1801 |
| Stddev | .5100    |
| %RSD   | 23.394   |

|    |        |
|----|--------|
| #1 | 2.6306 |
| #2 | 2.2834 |
| #3 | 1.6264 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3230.6 | 37410. | 3118.7 | 43.728 | 3509.0 |
| Stddev    | 6.6    | 149.   | 7.2    | 1.246  | 4.3    |
| %RSD      | .20525 | .39739 | .23184 | 2.8487 | .12390 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3230.4 | 37276. | 3125.0 | 42.648 | 3512.4 |
| #2 | 3224.1 | 37570. | 3110.8 | 43.445 | 3504.1 |
| #3 | 3237.4 | 37385. | 3120.4 | 45.091 | 3510.5 |

Sample Name: CCB05      Acquired: 3/28/2019 17:40:35      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00008  | .00117  | -.00144 | .00407  | -.00154 | -.02252 | -.00183 | -.00002  |
| Stddev | .00143  | .00096  | .00101  | .00129  | .00146  | .00575  | .00084  | .00002   |
| %RSD   | 1771.0  | 82.091  | 70.122  | 31.671  | 94.909  | 25.534  | 46.169  | 97.148   |
| #1     | .00147  | .00063  | -.00081 | .00555  | -.00321 | -.02189 | -.00108 | -.00000  |
| #2     | -.00139 | .00060  | -.00089 | .00334  | -.00050 | -.01711 | -.00167 | -.00002  |
| #3     | .00017  | .00228  | -.00260 | .00331  | -.00091 | -.02856 | -.00274 | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00009 | -.01125 | .00173  | .00009  | -.00225 | -.00624 | .00010  | -.01799  |
| Stddev | .00004  | .02982  | .00072  | .00015  | .00041  | .00044  | .00007  | .11083   |
| %RSD   | 40.312  | 265.00  | 41.898  | 177.30  | 18.031  | 7.0845  | 64.063  | 615.89   |
| #1     | -.00012 | -.01292 | .00099  | .00011  | -.00238 | -.00674 | .00011  | -.13121  |
| #2     | -.00005 | -.04020 | .00244  | -.00008 | -.00258 | -.00590 | .00004  | -.01305  |
| #3     | -.00010 | .01936  | .00175  | .00022  | -.00180 | -.00607 | .00017  | .09028   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00122  | -.00106 | -.04981 | -.00025 | .00058  | .09497  | .00005  | -.00896  |
| Stddev | .00032  | .00040  | .00798  | .00045  | .00003  | .01950  | .00017  | .01500   |
| %RSD   | 26.397  | 37.955  | 16.012  | 178.95  | 5.4918  | 20.536  | 340.35  | 167.42   |
| #1     | .00155  | -.00129 | -.05888 | -.00063 | .00061  | .08736  | .00024  | -.01473  |
| #2     | .00092  | -.00059 | -.04387 | -.00038 | .00055  | .08042  | -.00008 | .00807   |
| #3     | .00118  | -.00128 | -.04669 | .00025  | .00056  | .11713  | -.00001 | -.02022  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00094  | .00605  | .00075  | .00906  | .00052  | -.0018  | .00005  | F 2.1121 |
| Stddev | .00148  | .00206  | .00078  | .00541  | .00394  | .0003   | .00004  | .5172    |
| %RSD   | 157.20  | 34.048  | 104.36  | 59.664  | 755.34  | 17.75   | 80.422  | 24.485   |
| #1     | .00171  | .00766  | .00059  | .01521  | -.00317 | -.0015  | .00002  | 1.8750   |
| #2     | -.00076 | .00675  | .00006  | .00694  | .00007  | -.0021  | .00004  | 2.7053   |
| #3     | .00188  | .00373  | .00159  | .00504  | .00467  | -.0017  | .00010  | 1.7560   |

Sample Name: CCB05      Acquired: 3/28/2019 17:40:35      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1991  
Stddev      .9861  
%RSD      44.840

#1      3.0418  
#2      1.1146  
#3      2.4409

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3362.5 | 38362. | 3112.4 | 45.789 | 3921.7 |
| Stddev    | 6.7    | 65.    | 33.7   | .321   | 6.3    |
| %RSD      | .19904 | .16999 | 1.0815 | .70164 | .16087 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3355.8 | 38291. | 3073.7 | 45.633 | 3918.0 |
| #2 | 3369.2 | 38419. | 3134.9 | 46.158 | 3929.0 |
| #3 | 3362.4 | 38376. | 3128.6 | 45.575 | 3918.1 |

Sample Name: PB118374BS      Acquired: 3/28/2019 17:45:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77848 | 1.9474 | .96369 | 1.9566 | .79004 | 1.9864 | .20422 |
| Stddev | .00271 | .0111  | .00454 | .0025  | .00037 | .0150  | .00112 |
| %RSD   | .34853 | .56941 | .47086 | .12999 | .04637 | .75253 | .54834 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77957 | 1.9397 | .95854 | 1.9593 | .78993 | 1.9846 | .20541 |
| #2 | .77539 | 1.9423 | .96709 | 1.9560 | .79044 | 1.9724 | .20318 |
| #3 | .78048 | 1.9601 | .96543 | 1.9543 | .78974 | 2.0022 | .20408 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20253 | .18861 | 1.0188 | .39766 | .19539 | .32527 | 2.9553 |
| Stddev | .00037 | .00069 | .0248  | .00068 | .00099 | .00038 | .0030  |
| %RSD   | .18412 | .36723 | 2.4368 | .17149 | .50645 | .11761 | .10240 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20281 | .18784 | 1.0419 | .39829 | .19456 | .32499 | 2.9519 |
| #2 | .20268 | .18881 | 1.0220 | .39693 | .19512 | .32511 | 2.9560 |
| #3 | .20211 | .18918 | .99251 | .39774 | .19649 | .32570 | 2.9578 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20754 | 1.8855 | .49789 | .07077 | 2.7814 | .30463 | .19464 |
| Stddev | .00056 | .0595  | .00329 | .00066 | .0205  | .00141 | .00049 |
| %RSD   | .27090 | 3.1556 | .66090 | .93830 | .73605 | .46276 | .25380 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20780 | 1.8224 | .49547 | .07133 | 2.7671 | .30531 | .19411 |
| #2 | .20690 | 1.8935 | .49657 | .07095 | 2.8048 | .30558 | .19470 |
| #3 | .20793 | 1.9405 | .50164 | .07004 | 2.7722 | .30301 | .19510 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.193 | .39135 | .29710 | F -.00404 | .91519 | .63454 | .20107 |
| Stddev | .035   | .00098 | .02376 | .00123    | .00233 | .00270 | .00076 |
| %RSD   | .34608 | .25143 | 7.9982 | 30.365    | .25487 | .42622 | .37825 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.162 | .39068 | .27004 | -.00407 | .91293 | .63181 | .20067 |
| #2 | 10.231 | .39248 | .31453 | -.00280 | .91505 | .63458 | .20059 |
| #3 | 10.186 | .39089 | .30674 | -.00525 | .91759 | .63722 | .20195 |



Sample Name: PB118374BS      Acquired: 3/28/2019 17:45:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .19560 | 5.159  | .19534 | F 1.9316 | F<.00000 |
| Stddev    | .00065 | .032   | .00078 | .4270    | .94151   |
| %RSD      | .33122 | .6240  | .40154 | 22.106   | 12.917   |
| #1        | .19514 | 5.132  | .19487 | 2.4197   | -6.7630  |
| #2        | .19532 | 5.151  | .19491 | 1.6272   | -6.7274  |
| #3        | .19634 | 5.195  | .19625 | 1.7479   | -8.3757  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3357.3 | 38376. | 3107.5 | 43.158   | 3859.0   |
| Stddev    | 8.5    | 146.   | 3.6    | .996     | 4.8      |
| %RSD      | .25295 | .37921 | .11667 | 2.3070   | .12508   |
| #1        | 3350.0 | 38328. | 3105.2 | 42.950   | 3863.1   |
| #2        | 3355.3 | 38261. | 3105.6 | 42.283   | 3860.1   |
| #3        | 3366.6 | 38540. | 3111.7 | 44.242   | 3853.7   |

Sample Name: PB118374TB      Acquired: 3/28/2019 17:49:13      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118344BS      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |         |         |         |         |         |
|--------|---------|---------|----------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00028 | -.00120 | -.00131  | .00296  | .00037  | -.00374 | -.00346 | -.00006 |
| Stddev | .00183  | .00170  | .00010   | .00272  | .00108  | .01477  | .00043  | .00002  |
| %RSD   | 656.49  | 141.67  | 7.2892   | 91.919  | 289.35  | 395.06  | 12.333  | 39.527  |
| #1     | .00130  | -.00039 | -.00142  | .00041  | .00159  | .01214  | -.00361 | -.00007 |
| #2     | .00015  | -.00314 | -.00129  | .00583  | .00002  | -.00630 | -.00298 | -.00007 |
| #3     | -.00229 | -.00005 | -.00124  | .00264  | -.00049 | -.01706 | -.00379 | -.00003 |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00004 | -.03003 | .00215   | -.00003 | -.00224 | -.01139 | -.00018 | -.05978 |
| Stddev | .00008  | .00856  | .00039   | .00006  | .00041  | .00082  | .00008  | .05849  |
| %RSD   | 193.49  | 28.499  | 18.339   | 208.69  | 18.178  | 7.2447  | 44.491  | 97.836  |
| #1     | -.00003 | -.03988 | .00258   | -.00008 | -.00180 | -.01223 | -.00028 | .00703  |
| #2     | -.00012 | -.02444 | .00205   | .00003  | -.00231 | -.01058 | -.00013 | -.08462 |
| #3     | .00003  | -.02575 | .00181   | -.00003 | -.00260 | -.01136 | -.00015 | -.10176 |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00215  | -.00037 | F 284.12 | -.00001 | .00056  | .15368  | .00003  | .03354  |
| Stddev | .00036  | .00050  | 1.19     | .00051  | .00003  | .03170  | .00020  | .02735  |
| %RSD   | 16.631  | 134.29  | .41807   | 6608.2  | 4.4541  | 20.625  | 723.10  | 81.548  |
| #1     | .00176  | -.00023 | 282.86   | -.00037 | .00055  | .18892  | .00001  | .04095  |
| #2     | .00247  | -.00093 | 284.28   | -.00023 | .00059  | .12751  | -.00016 | .05643  |
| #3     | .00223  | .00004  | 285.21   | .00058  | .00054  | .14459  | .00023  | .00325  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00608  | .00743  | -.00068  | .00814  | .00019  | -.0021  | -.00020 | 2.3977  |
| Stddev | .00661  | .00023  | .00026   | .00272  | .00262  | .0009   | .00005  | .2808   |
| %RSD   | 108.63  | 3.1189  | 37.787   | 33.452  | 1410.2  | 42.00   | 24.170  | 11.710  |
| #1     | .01114  | .00760  | -.00040  | .01056  | -.00221 | -.0013  | -.00026 | 2.6318  |
| #2     | .00850  | .00716  | -.00091  | .00519  | .00299  | -.0019  | -.00019 | 2.4747  |
| #3     | -.00139 | .00752  | -.00074  | .00865  | -.00022 | -.0030  | -.00017 | 2.0864  |

Sample Name: PB118374TB      Acquired: 3/28/2019 17:49:13      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118344BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8798 |
| Stddev | 1.1080 |
| %RSD   | 38.475 |

|    |        |
|----|--------|
| #1 | 1.8082 |
| #2 | 2.8102 |
| #3 | 4.0209 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3251.0 | 37974. | 3233.1 | 44.928 | 3567.8 |
| Stddev    | 4.0    | 18.    | 9.8    | .352   | 18.7   |
| %RSD      | .12387 | .04631 | .30222 | .78263 | .52378 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3248.8 | 37969. | 3228.0 | 44.558 | 3585.0 |
| #2 | 3255.6 | 37960. | 3227.0 | 45.258 | 3570.4 |
| #3 | 3248.6 | 37994. | 3244.4 | 44.967 | 3547.9 |

Sample Name: K2099-11      Acquired: 3/28/2019 17:53:51      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00610   | .00177  | .01437   | .00362  | -.00155 | -.21455 | .84625 | .00014 |
| Stddev | .00546   | .00098  | .00065   | .00292  | .00161  | .01925  | .00528 | .00003 |
| %RSD   | 89.444   | 55.368  | 4.5103   | 80.844  | 104.47  | 8.9714  | .62413 | 22.065 |
| #1     | .00396   | .00290  | .01506   | .00646  | -.00083 | -.20042 | .84778 | .00016 |
| #2     | .01230   | .00124  | .01430   | .00062  | -.00041 | -.23648 | .85059 | .00016 |
| #3     | .00203   | .00117  | .01377   | .00377  | -.00339 | -.20676 | .84037 | .00010 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00067   | 296.81  | .00472   | .00380  | .01504  | .04198  | 1.0708 | 32.937 |
| Stddev | .00015   | 3.92    | .00070   | .00036  | .00051  | .00039  | .0021  | .355   |
| %RSD   | 22.441   | 1.3213  | 14.799   | 9.4191  | 3.4169  | .93453  | .19810 | 1.0768 |
| #1     | .00051   | 295.50  | .00400   | .00358  | .01563  | .04238  | 1.0684 | 33.170 |
| #2     | .00081   | 301.22  | .00540   | .00361  | .01480  | .04197  | 1.0723 | 32.529 |
| #3     | .00068   | 293.72  | .00475   | .00421  | .01470  | .04160  | 1.0717 | 33.111 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00589   | -.00783 | F 2530.1 | -.00075 | .10788  | 35.629  | .02558 | .14873 |
| Stddev | .00115   | .00081  | 70.5     | .00041  | .00050  | .141    | .00021 | .02022 |
| %RSD   | 19.469   | 10.402  | 2.7874   | 55.356  | .46120  | .39520  | .80988 | 13.598 |
| #1     | .00613   | -.00775 | 2581.3   | -.00029 | .10835  | 35.528  | .02534 | .13466 |
| #2     | .00690   | -.00705 | 2559.3   | -.00110 | .10736  | 35.790  | .02572 | .17191 |
| #3     | .00465   | -.00868 | 2449.7   | -.00085 | .10794  | 35.568  | .02566 | .13963 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 66.286 | 6.5723  | -.02318  | .00204  | .03009  | .0695   | 1.5215 | 6.5643 |
| Stddev | .419     | .0609   | .00092   | .00205  | .00232  | .0025   | .0152  | .1391  |
| %RSD   | .63273   | .92668  | 3.9721   | 100.70  | 7.7142  | 3.654   | .99935 | 2.1193 |
| #1     | 66.758   | 6.5240  | -.02337  | -.00024 | .02807  | .0708   | 1.5176 | 6.4310 |
| #2     | 66.142   | 6.6407  | -.02399  | .00375  | .03263  | .0711   | 1.5383 | 6.5533 |
| #3     | 65.957   | 6.5522  | -.02217  | .00260  | .02958  | .0665   | 1.5087 | 6.7086 |

Sample Name: K2099-11      Acquired: 3/28/2019 17:53:51      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BOX Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 10.909 |
| Stddev | 1.684  |
| %RSD   | 15.441 |

|    |        |
|----|--------|
| #1 | 12.207 |
| #2 | 11.513 |
| #3 | 9.0055 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2805.8 | 32230. | 3035.6 | 42.177 | 2815.1 |
| Stddev    | 21.0   | 93.    | 36.8   | .773   | 10.4   |
| %RSD      | .75018 | .28845 | 1.2116 | 1.8337 | .36973 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2809.0 | 32287. | 3063.4 | 43.006 | 2804.9 |
| #2 | 2783.3 | 32123. | 2993.9 | 42.050 | 2814.5 |
| #3 | 2825.0 | 32281. | 3049.4 | 41.475 | 2825.7 |

Sample Name: K2099-12      Acquired: 3/28/2019 17:58:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01006   | .00232  | .01550   | -.00060 | -.00099 | -.16575 | .84686 | .00007 |
| Stddev | .00173   | .00032  | .00085   | .00427  | .00145  | .03883  | .00641 | .00005 |
| %RSD   | 17.169   | 13.888  | 5.5017   | 707.89  | 146.40  | 23.425  | .75712 | 62.506 |
| #1     | .00809   | .00195  | .01460   | -.00381 | .00064  | -.19315 | .84538 | .00004 |
| #2     | .01132   | .00250  | .01629   | -.00224 | -.00145 | -.12132 | .85388 | .00013 |
| #3     | .01076   | .00252  | .01561   | .00424  | -.00216 | -.18278 | .84132 | .00005 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00059   | 282.92  | .01649   | .01308  | .02363  | .09963  | 1.9364 | 31.559 |
| Stddev | .00002   | 1.46    | .00054   | .00010  | .00010  | .00078  | .0029  | .130   |
| %RSD   | 3.2022   | .51615  | 3.2716   | .78563  | .43533  | .78736  | .14708 | .41184 |
| #1     | .00061   | 282.57  | .01669   | .01320  | .02352  | .09989  | 1.9340 | 31.701 |
| #2     | .00057   | 284.53  | .01588   | .01303  | .02364  | .10024  | 1.9396 | 31.531 |
| #3     | .00060   | 281.67  | .01690   | .01301  | .02372  | .09874  | 1.9357 | 31.446 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01594   | -.00797 | F 2393.2 | -.00372 | .10337  | 35.050  | .02413 | .12595 |
| Stddev | .00034   | .00047  | 65.2     | .00038  | .00045  | .026    | .00040 | .01902 |
| %RSD   | 2.1300   | 5.9350  | 2.7249   | 10.341  | .43913  | .07434  | 1.6600 | 15.101 |
| #1     | .01555   | -.00745 | 2447.9   | -.00352 | .10350  | 35.048  | .02368 | .11083 |
| #2     | .01612   | -.00806 | 2410.8   | -.00348 | .10375  | 35.077  | .02445 | .14730 |
| #3     | .01616   | -.00838 | 2321.0   | -.00416 | .10287  | 35.025  | .02425 | .11972 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 67.797 | 6.7699  | -.02389  | .00422  | .03077  | .0206   | 1.4723 | 6.4651 |
| Stddev | .502     | .0081   | .00087   | .00351  | .00058  | .0020   | .0086  | .3040  |
| %RSD   | .73992   | .11970  | 3.6370   | 83.292  | 1.8737  | 9.594   | .58059 | 4.7023 |
| #1     | 68.154   | 6.7688  | -.02480  | .00108  | .03074  | .0225   | 1.4739 | 6.1976 |
| #2     | 68.014   | 6.7785  | -.02307  | .00356  | .03020  | .0207   | 1.4799 | 6.4020 |
| #3     | 67.224   | 6.7623  | -.02379  | .00801  | .03136  | .0186   | 1.4631 | 6.7957 |

Sample Name: K2099-12      Acquired: 3/28/2019 17:58:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.577 |
| Stddev | 1.394  |
| %RSD   | 12.044 |

|    |        |
|----|--------|
| #1 | 12.396 |
| #2 | 12.368 |
| #3 | 9.9668 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2798.6 | 32295. | 3044.1 | 40.381 | 2819.5 |
| Stddev    | 10.5   | 65.    | 9.9    | 1.800  | 13.7   |
| %RSD      | .37448 | .20135 | .32367 | 4.4567 | .48744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2810.7 | 32258. | 3043.7 | 39.522 | 2813.5 |
| #2 | 2791.6 | 32256. | 3034.5 | 39.173 | 2809.8 |
| #3 | 2793.6 | 32370. | 3054.2 | 42.450 | 2835.2 |

Sample Name: K2099-13      Acquired: 3/28/2019 18:02:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00610 | .00107 | .00303 | .00583 | -.00242 | .00191 | .28669 | .00009 |
| Stddev | .00244 | .00065 | .00070 | .00141 | .00128  | .01680 | .00372 | .00005 |
| %RSD   | 40.076 | 60.727 | 23.169 | 24.252 | 52.974  | 881.74 | 1.2972 | 51.956 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00622 | .00181 | .00330 | .00571 | -.00258 | -.01749 | .28287 | .00004 |
| #2 | .00360 | .00061 | .00223 | .00448 | -.00107 | .01135  | .28688 | .00011 |
| #3 | .00848 | .00079 | .00355 | .00730 | -.00362 | .01186  | .29030 | .00014 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 53.647 | .00770 | .00112 | .01969 | .03780 | .48510 | 18.364 |
| Stddev | .00005  | .017   | .00025 | .00014 | .00033 | .00148 | .00054 | .086   |
| %RSD   | 199.25  | .03080 | 3.1995 | 12.349 | 1.6613 | 3.9187 | .11072 | .46825 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00007 | 53.631 | .00784 | .00103 | .01933 | .03610 | .48449 | 18.284 |
| #2 | -.00004 | 53.644 | .00783 | .00128 | .01979 | .03880 | .48530 | 18.455 |
| #3 | .00003  | 53.664 | .00741 | .00105 | .01996 | .03850 | .48550 | 18.354 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00566 | -.00268 | 29.773 | -.00047 | .09816 | 7.0292 | .00713 | .10037 |
| Stddev | .00036 | .00018  | .106   | .00048  | .00032 | .0060  | .00015 | .02068 |
| %RSD   | 6.3189 | 6.7676  | .35556 | 101.53  | .32998 | .08506 | 2.1493 | 20.604 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00526 | -.00250 | 29.728 | -.00035 | .09852 | 7.0267 | .00726 | .10199 |
| #2 | .00575 | -.00267 | 29.894 | -.00007 | .09790 | 7.0360 | .00716 | .07893 |
| #3 | .00596 | -.00286 | 29.697 | -.00100 | .09805 | 7.0248 | .00696 | .12020 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 4.4315 | 5.6939 | -.00216 | .00882 | .00547 | .0194  | .18775 | <.00000 |
| Stddev | .0079  | .0515  | .00058  | .00645 | .00181 | .0008  | .00013 | .26220  |
| %RSD   | .17905 | .90472 | 27.014  | 73.135 | 33.085 | 4.268  | .07008 | 600.02  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 4.4235 | 5.7502 | -.00280 | .00644 | .00479 | .0185 | .18783 | .24488  |
| #2 | 4.4316 | 5.6821 | -.00205 | .01611 | .00752 | .0202 | .18760 | -.10867 |
| #3 | 4.4394 | 5.6492 | -.00165 | .00389 | .00410 | .0195 | .18782 | -.26730 |



Sample Name: K2099-13      Acquired: 3/28/2019 18:02:53      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.6873  
 Stddev      1.5030  
 %RSD      55.931

#1      1.1646  
 #2      2.7275  
 #3      4.1699

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3460.3 | 40281. | 3424.6 | 47.761 | 3897.6 |
| Stddev    | 5.0    | 78.    | 29.5   | .246   | 2.7    |
| %RSD      | .14365 | .19358 | .86015 | .51536 | .07012 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3464.0 | 40370. | 3391.3 | 47.823 | 3894.5 |
| #2 | 3454.6 | 40245. | 3435.3 | 47.970 | 3898.7 |
| #3 | 3462.2 | 40227. | 3447.2 | 47.490 | 3899.6 |

Sample Name: K2099-14      Acquired: 3/28/2019 18:07:15      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00379 | .00197 | .00200 | .00268 | .01078 | -.02807 | .09936 | .00010 |
| Stddev | .00278 | .00033 | .00100 | .00398 | .00230 | .00258  | .00198 | .00003 |
| %RSD   | 73.324 | 16.548 | 49.774 | 148.77 | 21.382 | 9.1856  | 1.9961 | 32.897 |

|    |        |        |        |         |        |         |        |        |
|----|--------|--------|--------|---------|--------|---------|--------|--------|
| #1 | .00699 | .00209 | .00216 | .00360  | .00996 | -.02528 | .10139 | .00011 |
| #2 | .00212 | .00160 | .00094 | -.00169 | .01338 | -.02858 | .09742 | .00013 |
| #3 | .00225 | .00222 | .00292 | .00612  | .00900 | -.03036 | .09927 | .00006 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | 49.428 | .00423 | .00167 | -.00152 | .11196 | .41547 | 19.302 |
| Stddev | .00006  | .111   | .00029 | .00002 | .00037  | .00206 | .00093 | .205   |
| %RSD   | 946.64  | .22482 | 6.8343 | .92020 | 24.091  | 1.8410 | .22407 | 1.0609 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00005  | 49.444 | .00440 | .00168 | -.00124 | .11362 | .41636 | 19.195 |
| #2 | -.00000 | 49.530 | .00390 | .00167 | -.00139 | .11259 | .41555 | 19.173 |
| #3 | -.00007 | 49.309 | .00439 | .00165 | -.00193 | .10965 | .41450 | 19.538 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00777 | -.00309 | 31.115 | -.00061 | .08474 | 6.8170 | .00622 | .08873 |
| Stddev | .00035 | .00052  | .220   | .00010  | .00033 | .0528  | .00016 | .00778 |
| %RSD   | 4.5052 | 16.762  | .70721 | 16.813  | .38698 | .77509 | 2.5105 | 8.7628 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00758 | -.00365 | 31.241 | -.00070 | .08509 | 6.7721 | .00640 | .09013 |
| #2 | .00817 | -.00263 | 30.861 | -.00050 | .08444 | 6.8036 | .00610 | .09571 |
| #3 | .00756 | -.00300 | 31.244 | -.00062 | .08468 | 6.8752 | .00617 | .08035 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.4755 | 5.5265 | -.00342 | .01004 | .00486 | .0176  | .17505 | 1.6002 |
| Stddev | .0047  | .0480  | .00054  | .00314 | .00190 | .0005  | .00050 | .6629  |
| %RSD   | .10497 | .86827 | 15.914  | 31.229 | 39.089 | 2.818  | .28664 | 41.424 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 4.4798 | 5.5612 | -.00294 | .00934 | .00441 | .0172 | .17563 | .83754 |
| #2 | 4.4764 | 5.5465 | -.00331 | .01347 | .00323 | .0176 | .17484 | 1.9254 |
| #3 | 4.4705 | 5.4717 | -.00401 | .00731 | .00695 | .0181 | .17469 | 2.0377 |

Sample Name: K2099-14      Acquired: 3/28/2019 18:07:15      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.1135  
 Stddev      .2912  
 %RSD      9.3518

#1      3.1675  
 #2      3.3738  
 #3      2.7991

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3366.0 | 39084. | 3337.1 | 47.978 | 3807.0 |
| Stddev    | 3.0    | 26.    | 39.8   | 1.188  | 3.9    |
| %RSD      | .08942 | .06754 | 1.1930 | 2.4754 | .10157 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3363.1 | 39065. | 3314.6 | 49.033 | 3803.8 |
| #2 | 3369.1 | 39114. | 3313.6 | 46.692 | 3811.3 |
| #3 | 3365.7 | 39073. | 3383.0 | 48.209 | 3806.0 |

Sample Name: K2099-15      Acquired: 3/28/2019 18:11:38      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00292 | .00179 | .00244 | .00142 | -.00293 | -.02808 | .18098 | .00015 |
| Stddev | .00318 | .00084 | .00033 | .00058 | .00092  | .01102  | .00206 | .00005 |
| %RSD   | 109.03 | 46.985 | 13.384 | 40.807 | 31.443  | 39.256  | 1.1368 | 35.993 |

|    |         |        |        |        |         |         |        |        |
|----|---------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00406  | .00083 | .00210 | .00117 | -.00293 | -.04076 | .18095 | .00010 |
| #2 | -.00068 | .00211 | .00275 | .00101 | -.00201 | -.02275 | .17894 | .00020 |
| #3 | .00537  | .00242 | .00248 | .00208 | -.00386 | -.02074 | .18305 | .00015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | 45.879 | .00356 | .00277 | .00115 | .00883 | .42706 | 15.079 |
| Stddev | .00003 | .308   | .00038 | .00008 | .00015 | .00078 | .00108 | .217   |
| %RSD   | 69.461 | .67237 | 10.678 | 2.7444 | 12.943 | 8.8218 | .25374 | 1.4370 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00004 | 46.185 | .00313 | .00271 | .00119 | .00967 | .42687 | 14.829 |
| #2 | .00001 | 45.883 | .00383 | .00286 | .00099 | .00869 | .42608 | 15.200 |
| #3 | .00007 | 45.568 | .00372 | .00276 | .00128 | .00813 | .42822 | 15.208 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01142 | -.00259 | 44.298 | -.00067 | .13520 | 5.7947 | .00561 | .09114 |
| Stddev | .00044 | .00069  | .268   | .00020  | .00046 | .0618  | .00022 | .02181 |
| %RSD   | 3.8505 | 26.778  | .60527 | 29.855  | .34389 | 1.0671 | 3.9482 | 23.931 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01169 | -.00186 | 44.282 | -.00086 | .13557 | 5.7848 | .00538 | .10751 |
| #2 | .01165 | -.00324 | 44.037 | -.00046 | .13468 | 5.7384 | .00582 | .09955 |
| #3 | .01091 | -.00266 | 44.573 | -.00071 | .13535 | 5.8609 | .00564 | .06638 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.0608 | 5.3722 | -.00554 | .00903 | .01472 | .0120  | .21462 | 1.2576 |
| Stddev | .0312  | .0507  | .00058  | .00274 | .00116 | .0011  | .00287 | .6338  |
| %RSD   | .38720 | .94334 | 10.480  | 30.308 | 7.8596 | 9.463  | 1.3355 | 50.399 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 8.0884 | 5.4205 | -.00489 | .00587 | .01605 | .0112 | .21753 | .74022 |
| #2 | 8.0269 | 5.3768 | -.00569 | .01071 | .01397 | .0132 | .21180 | 1.0680 |
| #3 | 8.0672 | 5.3194 | -.00602 | .01051 | .01414 | .0114 | .21452 | 1.9646 |

Sample Name: K2099-15      Acquired: 3/28/2019 18:11:38      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8280 |
| Stddev | 1.0021 |
| %RSD   | 35.433 |

|    |        |
|----|--------|
| #1 | 1.7092 |
| #2 | 3.6430 |
| #3 | 3.1318 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3363.1 | 39047. | 3310.6 | 46.852 | 3816.0 |
| Stddev    | 3.1    | 125.   | 32.8   | .618   | 7.3    |
| %RSD      | .09266 | .32049 | .99167 | 1.3194 | .19205 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3359.5 | 39156. | 3282.0 | 47.391 | 3820.9 |
| #2 | 3364.6 | 39075. | 3303.4 | 46.987 | 3819.5 |
| #3 | 3365.1 | 38910. | 3346.4 | 46.177 | 3807.6 |

Sample Name: K2099-16      Acquired: 3/28/2019 18:16:00      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00140 | .00040 | .00195 | .00358 | -.00063 | -.03267 | .15704 | .00006 |
| Stddev | .00241 | .00124 | .00042 | .00184 | .00087  | .00315  | .00148 | .00002 |
| %RSD   | 171.69 | 306.94 | 21.243 | 51.247 | 138.96  | 9.6500  | .94418 | 28.481 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | -.00017 | .00050  | .00195 | .00149 | -.00014 | -.03093 | .15573 | .00008 |
| #2 | .00020  | .00159  | .00154 | .00490 | -.00164 | -.03076 | .15674 | .00007 |
| #3 | .00418  | -.00088 | .00237 | .00436 | -.00011 | -.03630 | .15865 | .00004 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | 44.786 | .00228 | .00229 | .00122 | .00423 | .38024 | 14.613 |
| Stddev | .00007 | .252   | .00033 | .00011 | .00017 | .00098 | .00193 | .022   |
| %RSD   | 438.85 | .56218 | 14.423 | 4.9258 | 13.575 | 23.139 | .50873 | .15072 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00001 | 44.555 | .00258 | .00237 | .00105 | .00312 | .37801 | 14.632 |
| #2 | .00010  | 45.054 | .00193 | .00233 | .00138 | .00498 | .38148 | 14.617 |
| #3 | -.00004 | 44.750 | .00234 | .00216 | .00124 | .00458 | .38124 | 14.589 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00974 | -.00296 | 44.664 | -.00028 | .10902 | 5.5896 | .00585 | .09030 |
| Stddev | .00041 | .00078  | .079   | .00027  | .00036 | .0289  | .00013 | .01117 |
| %RSD   | 4.1842 | 26.333  | .17638 | 95.915  | .32845 | .51639 | 2.1967 | 12.367 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00960 | -.00310 | 44.581 | -.00001 | .10868 | 5.5992 | .00580 | .08126 |
| #2 | .01020 | -.00212 | 44.672 | -.00027 | .10899 | 5.5572 | .00574 | .08687 |
| #3 | .00942 | -.00366 | 44.738 | -.00055 | .10940 | 5.6124 | .00599 | .10278 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.9948 | 5.3145 | -.00487 | .00820 | .01158 | .0161  | .21273 | .70924 |
| Stddev | .0747  | .0769  | .00021  | .00174 | .00150 | .0003  | .00048 | .54506 |
| %RSD   | .93486 | 1.4468 | 4.2519  | 21.194 | 12.984 | 1.856  | .22384 | 76.850 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 7.9174 | 5.2669 | -.00465 | .00781 | .01262 | .0165 | .21218 | .46862 |
| #2 | 8.0006 | 5.4032 | -.00488 | .00669 | .01226 | .0161 | .21298 | 1.3332 |
| #3 | 8.0666 | 5.2734 | -.00507 | .01010 | .00985 | .0159 | .21302 | .32590 |

Sample Name: K2099-16      Acquired: 3/28/2019 18:16:00      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.8059  
 Stddev      .6854  
 %RSD      24.427

#1      2.4187  
 #2      3.5972  
 #3      2.4016

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3408.6 | 39683. | 3364.6 | 47.884 | 3861.1 |
| Stddev    | 9.7    | 70.    | 7.4    | 1.489  | 5.6    |
| %RSD      | .28600 | .17673 | .21968 | 3.1105 | .14464 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3404.4 | 39761. | 3369.5 | 47.281 | 3862.9 |
| #2 | 3419.7 | 39625. | 3356.1 | 46.791 | 3865.6 |
| #3 | 3401.6 | 39663. | 3368.3 | 49.581 | 3854.8 |

Sample Name: K2099-17      Acquired: 3/28/2019 18:20:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01448   | .00111  | .01438   | .00055  | -.00266 | -.22283 | .85150 | .00012 |
| Stddev | .00224   | .00094  | .00062   | .00623  | .00057  | .01614  | .00416 | .00002 |
| %RSD   | 15.475   | 84.983  | 4.3386   | 1133.4  | 21.528  | 7.2430  | .48874 | 17.821 |
| #1     | .01544   | .00219  | .01508   | -.00087 | -.00295 | -.23625 | .84795 | .00013 |
| #2     | .01192   | .00058  | .01388   | -.00485 | -.00200 | -.20492 | .85046 | .00009 |
| #3     | .01609   | .00054  | .01419   | .00736  | -.00304 | -.22731 | .85608 | .00013 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00051   | 304.45  | .00050   | .00431  | .00978  | .03675  | 1.1792 | 33.476 |
| Stddev | .00006   | 1.77    | .00011   | .00058  | .00024  | .00111  | .0020  | .318   |
| %RSD   | 11.187   | .58128  | 22.516   | 13.366  | 2.4812  | 3.0163  | .17197 | .95061 |
| #1     | .00055   | 306.49  | .00037   | .00404  | .01005  | .03607  | 1.1794 | 33.217 |
| #2     | .00053   | 303.33  | .00058   | .00497  | .00957  | .03615  | 1.1771 | 33.379 |
| #3     | .00044   | 303.53  | .00054   | .00392  | .00972  | .03802  | 1.1812 | 33.831 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00331   | -.00833 | F 2510.6 | -.00076 | .07529  | 36.872  | .02634 | .13168 |
| Stddev | .00042   | .00098  | 66.1     | .00038  | .00012  | .209    | .00010 | .01983 |
| %RSD   | 12.744   | 11.780  | 2.6341   | 50.452  | .15282  | .56712  | .37754 | 15.056 |
| #1     | .00305   | -.00878 | 2586.0   | -.00044 | .07527  | 36.710  | .02623 | .11697 |
| #2     | .00309   | -.00721 | 2483.5   | -.00065 | .07518  | 36.798  | .02637 | .12384 |
| #3     | .00380   | -.00902 | 2462.4   | -.00118 | .07541  | 37.108  | .02643 | .15422 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 68.351 | 6.7145  | -.02325  | .00575  | .02586  | .0727   | 1.5742 | 6.4923 |
| Stddev | .038     | .0683   | .00064   | .00353  | .00162  | .0030   | .0100  | .1233  |
| %RSD   | .05559   | 1.0169  | 2.7634   | 61.291  | 6.2581  | 4.081   | .63645 | 1.8995 |
| #1     | 68.362   | 6.7927  | -.02399  | .00914  | .02701  | .0733   | 1.5858 | 6.4559 |
| #2     | 68.308   | 6.6840  | -.02292  | .00210  | .02401  | .0752   | 1.5693 | 6.6298 |
| #3     | 68.382   | 6.6668  | -.02284  | .00602  | .02656  | .0694   | 1.5677 | 6.3914 |



Sample Name: K2099-17      Acquired: 3/28/2019 18:20:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BOX Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 10.812 |
| Stddev | 1.106  |
| %RSD   | 10.229 |

|    |        |
|----|--------|
| #1 | 9.5347 |
| #2 | 11.438 |
| #3 | 11.462 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2774.1 | 32135. | 3031.0 | 41.210 | 2776.0 |
| Stddev    | 3.8    | 65.    | 25.8   | .272   | 8.4    |
| %RSD      | .13807 | .20145 | .84969 | .65928 | .30187 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2774.1 | 32095. | 3001.7 | 41.110 | 2768.2 |
| #2 | 2777.9 | 32210. | 3040.8 | 41.002 | 2784.8 |
| #3 | 2770.2 | 32101. | 3050.3 | 41.517 | 2775.1 |

Sample Name: K2099-18      Acquired: 3/28/2019 18:24:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01218   | .00164  | .01364   | .00203  | .00112  | -.23610 | .86810 | .00009 |
| Stddev | .00219   | .00116  | .00147   | .00196  | .00157  | .01657  | .00473 | .00008 |
| %RSD   | 17.979   | 71.021  | 10.801   | 96.503  | 139.96  | 7.0172  | .54513 | 82.588 |
| #1     | .01385   | .00074  | .01459   | .00083  | .00266  | -.24855 | .86404 | .00013 |
| #2     | .00970   | .00295  | .01194   | .00430  | .00117  | -.21730 | .87330 | .00001 |
| #3     | .01298   | .00122  | .01438   | .00098  | -.00047 | -.24246 | .86696 | .00015 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00066   | 290.89  | -.00019  | .01277  | .01226  | .02842  | 2.0046 | 32.349 |
| Stddev | .00003   | 1.21    | .00026   | .00009  | .00026  | .00108  | .0026  | .320   |
| %RSD   | 5.0989   | .41725  | 133.75   | .66634  | 2.1283  | 3.7897  | .12823 | .98852 |
| #1     | .00068   | 291.43  | -.00041  | .01277  | .01240  | .02785  | 2.0069 | 32.013 |
| #2     | .00067   | 291.75  | .00009   | .01285  | .01196  | .02966  | 2.0050 | 32.384 |
| #3     | .00062   | 289.50  | -.00026  | .01268  | .01243  | .02774  | 2.0018 | 32.650 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01036   | -.00836 | F 2316.6 | -.00389 | .10248  | 36.046  | .02482 | .14294 |
| Stddev | .00078   | .00042  | 43.5     | .00044  | .00026  | .049    | .00009 | .01367 |
| %RSD   | 7.5166   | 5.0552  | 1.8797   | 11.231  | .25084  | .13622  | .37812 | 9.5629 |
| #1     | .01018   | -.00863 | 2364.9   | -.00368 | .10264  | 36.027  | .02475 | .12999 |
| #2     | .01122   | -.00788 | 2280.3   | -.00360 | .10218  | 36.102  | .02493 | .14161 |
| #3     | .00970   | -.00859 | 2304.7   | -.00440 | .10261  | 36.010  | .02478 | .15723 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 70.269 | 6.8954  | -.02435  | .00493  | .02920  | .0145   | 1.5189 | 6.9880 |
| Stddev | .296     | .0643   | .00034   | .00158  | .00051  | .0031   | .0068  | .1296  |
| %RSD   | .42190   | .93240  | 1.4157   | 32.060  | 1.7448  | 21.51   | .44798 | 1.8549 |
| #1     | 69.930   | 6.9552  | -.02397  | .00391  | .02974  | .0118   | 1.5236 | 7.0680 |
| #2     | 70.478   | 6.9038  | -.02446  | .00676  | .02914  | .0138   | 1.5220 | 7.0576 |
| #3     | 70.399   | 6.8274  | -.02463  | .00414  | .02872  | .0179   | 1.5111 | 6.8385 |

Sample Name: K2099-18      Acquired: 3/28/2019 18:24:53      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BOX Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.882 |
| Stddev | 1.953  |
| %RSD   | 16.434 |

|    |        |
|----|--------|
| #1 | 12.968 |
| #2 | 13.051 |
| #3 | 9.6278 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2762.8 | 31977. | 3001.0 | 41.344 | 2767.3 |
| Stddev    | 2.5    | 88.    | 12.8   | 1.429  | 6.2    |
| %RSD      | .09052 | .27638 | .42509 | 3.4566 | .22501 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2759.9 | 32061. | 2987.8 | 41.683 | 2774.4 |
| #2 | 2764.1 | 31984. | 3001.8 | 39.776 | 2762.8 |
| #3 | 2764.4 | 31885. | 3013.2 | 42.573 | 2764.6 |

Sample Name: CCV06      Acquired: 3/28/2019 18:29:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1426 | 4.9687 | 5.0192 | 5.0545 | 5.1787 | 10.591 | 10.599 | .25674   |
| Stddev | .0118  | .0116  | .0082  | .0231  | .0041  | .160   | .025   | .00025   |
| %RSD   | .23003 | .23252 | .16268 | .45598 | .08003 | 1.5137 | .23636 | .09734   |
| #1     | 5.1312 | 4.9598 | 5.0217 | 5.0410 | 5.1751 | 10.406 | 10.627 | .25675   |
| #2     | 5.1548 | 4.9818 | 5.0101 | 5.0811 | 5.1833 | 10.687 | 10.592 | .25698   |
| #3     | 5.1419 | 4.9646 | 5.0258 | 5.0414 | 5.1778 | 10.679 | 10.578 | .25648   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4791 | 24.482 | .97676 | 2.5036 | 1.3074 | 4.8144 | 2.5390 | 25.425   |
| Stddev | .0030  | .060   | .00400 | .0022  | .0026  | .0145  | .0025  | .230     |
| %RSD   | .12026 | .24587 | .40983 | .08926 | .19772 | .30185 | .09845 | .90441   |
| #1     | 2.4798 | 24.440 | .97215 | 2.5053 | 1.3085 | 4.8078 | 2.5367 | 25.171   |
| #2     | 2.4759 | 24.456 | .97931 | 2.5011 | 1.3045 | 4.8044 | 2.5387 | 25.619   |
| #3     | 2.4817 | 24.551 | .97883 | 2.5045 | 1.3093 | 4.8311 | 2.5417 | 25.485   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5350 | 1.2365 | 22.973 | 2.5289 | 2.5541 | 25.925 | 5.1486 | 5.3512   |
| Stddev | .0031  | .0024  | .322   | .0092  | .0005  | .016   | .0011  | .0571    |
| %RSD   | .12255 | .19416 | 1.4035 | .36276 | .02074 | .06215 | .02092 | 1.0670   |
| #1     | 2.5367 | 1.2379 | 22.604 | 2.5203 | 2.5544 | 25.933 | 5.1499 | 5.2853   |
| #2     | 2.5314 | 1.2379 | 23.113 | 2.5279 | 2.5535 | 25.907 | 5.1481 | 5.3841   |
| #3     | 2.5369 | 1.2337 | 23.202 | 2.5386 | 2.5545 | 25.936 | 5.1479 | 5.3843   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1228 | 4.9468 | 4.9536 | 5.0348 | 4.8873 | 4.936  | 5.1117 | F 4.0315 |
| Stddev | .0137  | .0072  | .0047  | .0269  | .0327  | .014   | .0463  | .1475    |
| %RSD   | .26649 | .14552 | .09427 | .53391 | .66985 | .2749  | .90492 | 3.6589   |
| #1     | 5.1176 | 4.9548 | 4.9590 | 5.0393 | 4.9194 | 4.926  | 5.1631 | 4.1838   |
| #2     | 5.1383 | 4.9409 | 4.9502 | 5.0592 | 4.8885 | 4.951  | 5.0984 | 3.8893   |
| #3     | 5.1125 | 4.9447 | 4.9518 | 5.0060 | 4.8540 | 4.930  | 5.0735 | 4.0215   |

Sample Name: CCV06      Acquired: 3/28/2019 18:29:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5340  
Stddev      1.4562  
%RSD      57.469

#1      1.4091  
#2      4.1788  
#3      2.0140

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3227.1 | 37085. | 3171.8 | 43.121 | 3487.4 |
| Stddev    | 9.7    | 50.    | 16.4   | 1.563  | 10.2   |
| %RSD      | .29954 | .13602 | .51624 | 3.6239 | .29290 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3216.0 | 37093. | 3153.5 | 44.756 | 3475.7 |
| #2 | 3231.7 | 37131. | 3176.6 | 42.966 | 3494.4 |
| #3 | 3233.6 | 37031. | 3185.2 | 41.642 | 3492.2 |

Sample Name: CCB06      Acquired: 3/28/2019 18:46:56      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00119 | .00051 | -.00254 | .00115 | -.00153 | -.01819 | -.00334 | .00008 |
| Stddev | .00237  | .00047 | .00035  | .00162 | .00042  | .01539  | .00060  | .00006 |
| %RSD   | 199.52  | 91.893 | 13.774  | 140.76 | 27.418  | 84.620  | 18.061  | 67.641 |

|    |         |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00018  | -.00003 | -.00285 | .00128  | -.00202 | -.00198 | -.00309 | .00014 |
| #2 | -.00393 | .00079  | -.00260 | .00271  | -.00129 | -.03260 | -.00289 | .00003 |
| #3 | .00018  | .00077  | -.00216 | -.00053 | -.00129 | -.01999 | -.00402 | .00008 |

|        |         |         |        |        |         |         |        |         |
|--------|---------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00004 | -.00505 | .00137 | .00033 | -.00188 | -.00553 | .00006 | -.14984 |
| Stddev | .00008  | .01332  | .00028 | .00010 | .00026  | .00056  | .00009 | .08117  |
| %RSD   | 213.84  | 263.88  | 20.328 | 30.002 | 13.857  | 10.113  | 151.78 | 54.173  |

|    |         |         |        |        |         |         |         |         |
|----|---------|---------|--------|--------|---------|---------|---------|---------|
| #1 | .00004  | -.00640 | .00167 | .00041 | -.00163 | -.00593 | -.00004 | -.16147 |
| #2 | -.00003 | .00890  | .00112 | .00022 | -.00186 | -.00489 | .00014  | -.06348 |
| #3 | -.00013 | -.01764 | .00132 | .00037 | -.00215 | -.00576 | .00008  | -.22458 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00100 | -.00084 | .80697 | .00045 | .00101 | .16340 | -.00035 | .00196 |
| Stddev | .00033 | .00050  | .01781 | .00065 | .00008 | .05788 | .00040  | .01805 |
| %RSD   | 32.964 | 58.887  | 2.2075 | 146.78 | 7.7643 | 35.423 | 114.34  | 921.25 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00110 | -.00131 | .79591 | .00120 | .00109 | .10374 | -.00081 | -.01710 |
| #2 | .00063 | -.00089 | .79749 | .00001 | .00094 | .21932 | -.00010 | .01880  |
| #3 | .00127 | -.00032 | .82752 | .00013 | .00099 | .16715 | -.00013 | .00417  |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00053 | .00204 | -.00131 | .00973 | .00347 | .0005  | -.00006 | 1.4120 |
| Stddev | .00123 | .00306 | .00042  | .00454 | .00251 | .0024  | .00013  | .3603  |
| %RSD   | 232.69 | 150.14 | 32.132  | 46.612 | 72.394 | 473.4  | 228.61  | 25.513 |

|    |         |         |         |        |        |        |         |        |
|----|---------|---------|---------|--------|--------|--------|---------|--------|
| #1 | .00164  | .00429  | -.00089 | .00992 | .00057 | .0020  | -.00016 | 1.6981 |
| #2 | -.00079 | -.00144 | -.00173 | .00510 | .00496 | .0018  | -.00011 | 1.0075 |
| #3 | .00073  | .00327  | -.00130 | .01417 | .00488 | -.0023 | .00009  | 1.5306 |

Sample Name: CCB06      Acquired: 3/28/2019 18:46:56      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.3984  
 Stddev      .8559  
 %RSD      61.209

#1      .44780  
 #2      1.6393  
 #3      2.1080

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3374.9 | 38481. | 3140.3 | 45.236 | 3911.8 |
| Stddev    | 4.3    | 96.    | 22.6   | .835   | 5.9    |
| %RSD      | .12833 | .24918 | .71961 | 1.8459 | .14987 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3373.8 | 38589. | 3114.2 | 44.775 | 3910.4 |
| #2 | 3371.2 | 38406. | 3153.8 | 46.200 | 3906.7 |
| #3 | 3379.6 | 38447. | 3152.9 | 44.733 | 3918.2 |

Sample Name: K2099-19      Acquired: 3/28/2019 18:51:25      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00276 | .00125 | .00267 | .00491 | -.00285 | -.04823 | .28801 | .00009 |
| Stddev | .00197 | .00008 | .00066 | .00163 | .00139  | .01218  | .00277 | .00003 |
| %RSD   | 71.442 | 6.7335 | 24.726 | 33.251 | 48.889  | 25.261  | .96078 | 35.599 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00233 | .00129 | .00197 | .00673 | -.00129 | -.06013 | .28512 | .00006 |
| #2 | .00491 | .00131 | .00328 | .00443 | -.00330 | -.04877 | .28828 | .00009 |
| #3 | .00104 | .00115 | .00275 | .00357 | -.00396 | -.03578 | .29063 | .00013 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00001 | 58.461 | .00351 | .00105 | -.00071 | .03163 | .51617 | 20.022 |
| Stddev | .00004 | .319   | .00036 | .00004 | .00028  | .00111 | .00188 | .345   |
| %RSD   | 352.98 | .54591 | 10.349 | 4.0631 | 39.834  | 3.5032 | .36354 | 1.7233 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00005  | 58.747 | .00379 | .00108 | -.00069 | .03150 | .51491 | 19.752 |
| #2 | .00002  | 58.520 | .00365 | .00108 | -.00044 | .03060 | .51528 | 19.904 |
| #3 | -.00003 | 58.117 | .00310 | .00101 | -.00101 | .03280 | .51833 | 20.411 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00503 | -.00294 | 32.133 | -.00074 | .09502 | 7.3614 | .00746 | .10676 |
| Stddev | .00056 | .00073  | .216   | .00037  | .00154 | .0459  | .00047 | .01882 |
| %RSD   | 11.163 | 24.660  | .67256 | 49.141  | 1.6221 | .62330 | 6.3255 | 17.632 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00491 | -.00254 | 31.956 | -.00117 | .09554 | 7.3102 | .00790 | .11498 |
| #2 | .00453 | -.00378 | 32.069 | -.00051 | .09624 | 7.3987 | .00752 | .08522 |
| #3 | .00564 | -.00251 | 32.374 | -.00056 | .09329 | 7.3754 | .00696 | .12007 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8700 | 6.2500 | -.00224 | .00918 | .00434 | .0216  | .21019 | 1.3205 |
| Stddev | .0916  | .0339  | .00091  | .00150 | .00134 | .0016  | .00026 | .2535  |
| %RSD   | 1.8813 | .54266 | 40.705  | 16.311 | 30.775 | 7.238  | .12517 | 19.196 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 4.9154 | 6.2887 | -.00207 | .01045 | .00325 | .0219 | .20994 | 1.1488 |
| #2 | 4.9302 | 6.2254 | -.00143 | .00753 | .00394 | .0230 | .21046 | 1.6117 |
| #3 | 4.7646 | 6.2359 | -.00323 | .00956 | .00583 | .0199 | .21018 | 1.2011 |



Sample Name: K2099-19      Acquired: 3/28/2019 18:51:25      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8340 |
| Stddev | 1.5672 |
| %RSD   | 55.301 |

|    |        |
|----|--------|
| #1 | 1.8953 |
| #2 | 4.6433 |
| #3 | 1.9635 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3417.8 | 39457. | 3318.2 | 47.065 | 3848.8 |
| Stddev    | 32.1   | 219.   | 13.8   | .937   | 38.6   |
| %RSD      | .93873 | .55480 | .41685 | 1.9906 | 1.0020 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3424.4 | 39591. | 3302.2 | 46.173 | 3845.0 |
| #2 | 3382.9 | 39577. | 3326.3 | 46.980 | 3812.3 |
| #3 | 3446.0 | 39205. | 3326.1 | 48.041 | 3889.1 |

Sample Name: K2099-20      Acquired: 3/28/2019 18:55:47      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |        |         |        |        |
|--------|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00224 | .00188 | .00149 | -.00055 | .00900 | -.01737 | .10093 | .00012 |
| Stddev | .00169 | .00058 | .00050 | .00314  | .00107 | .00790  | .00072 | .00006 |
| %RSD   | 75.268 | 31.137 | 33.484 | 567.42  | 11.904 | 45.500  | .70933 | 48.054 |

|    |        |        |        |         |        |         |        |        |
|----|--------|--------|--------|---------|--------|---------|--------|--------|
| #1 | .00087 | .00143 | .00190 | .00122  | .00785 | -.02556 | .10017 | .00006 |
| #2 | .00172 | .00254 | .00165 | .00130  | .00998 | -.01676 | .10102 | .00017 |
| #3 | .00412 | .00166 | .00093 | -.00418 | .00916 | -.00979 | .10160 | .00013 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 48.337 | .00465 | .00152 | .00354 | .01783 | .40861 | 18.687 |
| Stddev | .00003  | .045   | .00011 | .00008 | .00049 | .00056 | .00053 | .110   |
| %RSD   | 63.351  | .09318 | 2.4066 | 5.5466 | 13.937 | 3.1538 | .13032 | .59026 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00008 | 48.320 | .00476 | .00147 | .00298 | .01802 | .40850 | 18.631 |
| #2 | -.00005 | 48.388 | .00453 | .00162 | .00372 | .01828 | .40814 | 18.615 |
| #3 | -.00002 | 48.303 | .00465 | .00147 | .00392 | .01720 | .40919 | 18.814 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00772 | -.00302 | 30.197 | -.00081 | .07057 | 6.3512 | .00638 | .09406 |
| Stddev | .00022 | .00049  | .020   | .00013  | .00011 | .0683  | .00016 | .02124 |
| %RSD   | 2.8360 | 16.335  | .06657 | 15.348  | .15327 | 1.0758 | 2.4290 | 22.580 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00777 | -.00356 | 30.218 | -.00096 | .07051 | 6.3245 | .00628 | .10596 |
| #2 | .00792 | -.00260 | 30.178 | -.00075 | .07050 | 6.4289 | .00656 | .06954 |
| #3 | .00749 | -.00290 | 30.195 | -.00073 | .07069 | 6.3004 | .00631 | .10668 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3278 | 5.3527 | -.00358 | .01200 | .00305 | .0175  | .17161 | 1.5376 |
| Stddev | .0083  | .0237  | .00082  | .00482 | .00139 | .0020  | .00017 | .4742  |
| %RSD   | .19210 | .44300 | 22.959  | 40.167 | 45.347 | 11.39  | .10071 | 30.841 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 4.3236 | 5.3766 | -.00296 | .01433 | .00186 | .0173 | .17147 | .99554 |
| #2 | 4.3224 | 5.3523 | -.00327 | .01520 | .00457 | .0156 | .17180 | 1.7414 |
| #3 | 4.3374 | 5.3292 | -.00452 | .00645 | .00274 | .0196 | .17156 | 1.8758 |

Sample Name: K2099-20      Acquired: 3/28/2019 18:55:47      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.4732 |
| Stddev | .4360  |
| %RSD   | 17.630 |

|    |        |
|----|--------|
| #1 | 1.9994 |
| #2 | 2.5625 |
| #3 | 2.8576 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3368.5 | 39090. | 3302.9 | 47.610 | 3822.6 |
| Stddev    | 5.4    | 107.   | 8.1    | .509   | 17.0   |
| %RSD      | .15967 | .27449 | .24515 | 1.0691 | .44360 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3372.7 | 39084. | 3294.2 | 47.130 | 3804.3 |
| #2 | 3370.4 | 39201. | 3310.2 | 48.144 | 3825.8 |
| #3 | 3362.4 | 38986. | 3304.5 | 47.557 | 3837.8 |

Sample Name: K2103-10      Acquired: 3/28/2019 19:00:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00147 | .00207 | .00254 | .00168 | -.00290 | -.03778 | .16179 | .00012 |
| Stddev | .00292 | .00072 | .00058 | .00241 | .00071  | .00637  | .00033 | .00002 |
| %RSD   | 198.38 | 34.792 | 22.678 | 143.28 | 24.359  | 16.860  | .20262 | 16.792 |

|    |         |        |        |         |         |         |        |        |
|----|---------|--------|--------|---------|---------|---------|--------|--------|
| #1 | .00241  | .00239 | .00308 | .00268  | -.00237 | -.03077 | .16153 | .00013 |
| #2 | -.00180 | .00257 | .00194 | -.00107 | -.00263 | -.03937 | .16167 | .00009 |
| #3 | .00381  | .00125 | .00261 | .00343  | -.00371 | -.04321 | .16216 | .00013 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 47.919 | .00458 | .00270 | .00106 | .03122 | .44660 | 15.574 |
| Stddev | .00006 | .109   | .00008 | .00023 | .00012 | .00058 | .00087 | .119   |
| %RSD   | 117.85 | .22777 | 1.8011 | 8.5076 | 10.906 | 1.8669 | .19568 | .76644 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00010  | 47.906 | .00449 | .00258 | .00106 | .03057 | .44704 | 15.444 |
| #2 | -.00001 | 47.818 | .00460 | .00256 | .00095 | .03141 | .44718 | 15.679 |
| #3 | .00006  | 48.035 | .00464 | .00297 | .00118 | .03169 | .44560 | 15.600 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01028 | -.00331 | 45.834 | -.00061 | .15127 | 5.9356 | .00587 | .11428 |
| Stddev | .00033 | .00053  | .106   | .00023  | .00043 | .0122  | .00034 | .00558 |
| %RSD   | 3.2205 | 16.106  | .23079 | 37.229  | .28750 | .20509 | 5.7706 | 4.8831 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01026 | -.00272 | 45.955 | -.00050 | .15172 | 5.9479 | .00614 | .11484 |
| #2 | .01062 | -.00348 | 45.760 | -.00046 | .15125 | 5.9236 | .00549 | .11955 |
| #3 | .00996 | -.00374 | 45.787 | -.00087 | .15085 | 5.9354 | .00598 | .10844 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.1712 | 5.5839 | -.00476 | .00721 | .01545 | .0125  | .22151 | 2.0685 |
| Stddev | .0421  | .0075  | .00028  | .00206 | .00189 | .0005  | .00108 | .1686  |
| %RSD   | .51556 | .13393 | 5.9354  | 28.586 | 12.245 | 3.816  | .48551 | 8.1529 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 8.2198 | 5.5754 | -.00465 | .00935 | .01597 | .0130 | .22034 | 2.2399 |
| #2 | 8.1487 | 5.5870 | -.00454 | .00523 | .01335 | .0123 | .22174 | 1.9027 |
| #3 | 8.1451 | 5.5893 | -.00508 | .00706 | .01702 | .0120 | .22246 | 2.0627 |

Sample Name: K2103-10      Acquired: 3/28/2019 19:00:11      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.0073  
 Stddev      .1950  
 %RSD      6.4837

#1      2.9842  
 #2      2.8249  
 #3      3.2129

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3355.9 | 38852. | 3267.0 | 47.183 | 3825.6 |
| Stddev    | 2.3    | 109.   | 3.6    | 1.550  | 18.2   |
| %RSD      | .06857 | .28083 | .10901 | 3.2860 | .47447 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3355.0 | 38764. | 3263.2 | 48.389 | 3841.8 |
| #2 | 3354.3 | 38819. | 3270.3 | 47.726 | 3806.0 |
| #3 | 3358.6 | 38974. | 3267.6 | 45.434 | 3829.0 |

Sample Name: K2103-11      Acquired: 3/28/2019 19:04:35      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00065 | .00206 | .00166 | .00286 | -.00227 | -.01327 | .18715 | .00009 |
| Stddev | .00328 | .00036 | .00090 | .00281 | .00033  | .00474  | .00208 | .00006 |
| %RSD   | 501.79 | 17.358 | 54.015 | 98.007 | 14.398  | 35.699  | 1.1105 | 66.925 |

|    |         |        |        |        |         |         |        |        |
|----|---------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00392  | .00171 | .00088 | .00592 | -.00233 | -.01861 | .18776 | .00006 |
| #2 | -.00264 | .00243 | .00145 | .00226 | -.00255 | -.00959 | .18484 | .00005 |
| #3 | .00067  | .00206 | .00264 | .00041 | -.00191 | -.01160 | .18886 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 43.216 | .00206 | .00224 | .00423 | .01308 | .38306 | 13.910 |
| Stddev | .00007 | .039   | .00018 | .00025 | .00016 | .00101 | .00032 | .150   |
| %RSD   | 102.95 | .08977 | 8.9371 | 10.944 | 3.8321 | 7.6956 | .08480 | 1.0757 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00001 | 43.235 | .00185 | .00244 | .00426 | .01227 | .38329 | 13.780 |
| #2 | .00015 | 43.241 | .00219 | .00232 | .00406 | .01421 | .38320 | 13.877 |
| #3 | .00005 | 43.171 | .00213 | .00197 | .00438 | .01277 | .38269 | 14.073 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00961 | -.00277 | 42.398 | -.00026 | .14085 | 5.2871 | .00522 | .08980 |
| Stddev | .00020 | .00049  | .180   | .00038  | .00049 | .0153  | .00004 | .01295 |
| %RSD   | 2.0401 | 17.616  | .42562 | 146.43  | .34735 | .28911 | .68356 | 14.420 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00941 | -.00255 | 42.450 | -.00063 | .14033 | 5.2868 | .00518 | .07540 |
| #2 | .00962 | -.00333 | 42.197 | .00014  | .14091 | 5.2719 | .00522 | .09351 |
| #3 | .00980 | -.00243 | 42.547 | -.00029 | .14130 | 5.3025 | .00525 | .10049 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.5770 | 5.1052 | -.00513 | .01121 | .01133 | .0113  | .20534 | 1.3271 |
| Stddev | .0385  | .0421  | .00062  | .00287 | .00085 | .0009  | .00082 | .1282  |
| %RSD   | .50796 | .82381 | 12.085  | 25.614 | 7.4660 | 7.712  | .39917 | 9.6609 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 7.6170 | 5.1196 | -.00442 | .01268 | .01162 | .0103 | .20447 | 1.2752 |
| #2 | 7.5402 | 5.1382 | -.00555 | .00790 | .01038 | .0119 | .20609 | 1.4732 |
| #3 | 7.5738 | 5.0578 | -.00544 | .01305 | .01200 | .0117 | .20546 | 1.2330 |

Sample Name: K2103-11      Acquired: 3/28/2019 19:04:35      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4114 |
| Stddev | 1.0468 |
| %RSD   | 74.167 |

|    |        |
|----|--------|
| #1 | 1.8888 |
| #2 | 2.1345 |
| #3 | .21102 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3392.5 | 39269. | 3323.0 | 49.134 | 3844.9 |
| Stddev    | 9.6    | 131.   | 17.7   | 1.305  | 6.5    |
| %RSD      | .28329 | .33427 | .53278 | 2.6550 | .16911 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3381.5 | 39355. | 3328.5 | 47.637 | 3839.9 |
| #2 | 3399.4 | 39334. | 3303.2 | 50.025 | 3852.2 |
| #3 | 3396.7 | 39118. | 3337.4 | 49.741 | 3842.5 |

Sample Name: K2103-12      Acquired: 3/28/2019 19:08:57      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BOX      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01056   | .00255  | .01368   | .00137  | -.00010 | -.24382 | .84663 | .00012 |
| Stddev | .00361   | .00094  | .00090   | .00331  | .00170  | .01734  | .00252 | .00005 |
| %RSD   | 34.211   | 36.828  | 6.5845   | 241.05  | 1762.3  | 7.1102  | .29784 | 39.859 |
| #1     | .01440   | .00198  | .01408   | .00174  | .00182  | -.22400 | .84785 | .00017 |
| #2     | .00724   | .00363  | .01265   | -.00210 | -.00143 | -.25125 | .84831 | .00008 |
| #3     | .01003   | .00203  | .01431   | .00448  | -.00068 | -.25620 | .84373 | .00010 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00056   | 306.94  | .00778   | .00376  | .00731  | .06458  | 1.1820 | 33.872 |
| Stddev | .00003   | 1.88    | .00084   | .00008  | .00057  | .00127  | .0027  | .203   |
| %RSD   | 5.0266   | .61291  | 10.855   | 2.1093  | 7.7395  | 1.9706  | .23023 | .59904 |
| #1     | .00053   | 308.04  | .00682   | .00368  | .00666  | .06311  | 1.1823 | 33.888 |
| #2     | .00059   | 304.77  | .00838   | .00384  | .00758  | .06540  | 1.1791 | 34.066 |
| #3     | .00055   | 308.02  | .00815   | .00376  | .00769  | .06522  | 1.1845 | 33.661 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00763   | -.00893 | F 2561.1 | -.00139 | .10418  | 36.691  | .02632 | .13694 |
| Stddev | .00074   | .00043  | 82.1     | .00063  | .00018  | .028    | .00040 | .03445 |
| %RSD   | 9.7608   | 4.8405  | 3.2065   | 45.267  | .17408  | .07686  | 1.5208 | 25.157 |
| #1     | .00677   | -.00935 | 2646.1   | -.00119 | .10428  | 36.661  | .02628 | .14678 |
| #2     | .00806   | -.00897 | 2554.9   | -.00210 | .10429  | 36.717  | .02674 | .09864 |
| #3     | .00806   | -.00848 | 2482.2   | -.00089 | .10397  | 36.694  | .02594 | .16540 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 68.252 | 6.7245  | -.02421  | .00322  | .02555  | .0726   | 1.5707 | 6.5478 |
| Stddev | .264     | .0447   | .00073   | .00253  | .00206  | .0025   | .0093  | .1950  |
| %RSD   | .38684   | .66526  | 3.0169   | 78.679  | 8.0623  | 3.419   | .59117 | 2.9787 |
| #1     | 68.395   | 6.7573  | -.02365  | .00519  | .02329  | .0697   | 1.5777 | 6.3312 |
| #2     | 68.415   | 6.6735  | -.02395  | .00410  | .02733  | .0738   | 1.5602 | 6.6027 |
| #3     | 67.948   | 6.7425  | -.02504  | .00036  | .02602  | .0742   | 1.5741 | 6.7095 |



Sample Name: K2103-12      Acquired: 3/28/2019 19:08:57      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BOX Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 10.564 |
| Stddev | .699   |
| %RSD   | 6.6126 |

|    |        |
|----|--------|
| #1 | 11.357 |
| #2 | 10.040 |
| #3 | 10.293 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2803.3 | 32078. | 3031.8 | 41.614 | 2791.0 |
| Stddev    | 14.6   | 103.   | 21.0   | .591   | 10.0   |
| %RSD      | .52220 | .32045 | .69280 | 1.4196 | .35888 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2790.3 | 31960. | 3017.8 | 41.067 | 2785.8 |
| #2 | 2800.4 | 32132. | 3056.0 | 42.240 | 2784.5 |
| #3 | 2819.2 | 32143. | 3021.7 | 41.534 | 2802.5 |

Sample Name: K2103-13      Acquired: 3/28/2019 19:13:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |         |
|--------|----------|---------|----------|---------|---------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00789   | .00105  | .01762   | -.00206 | -.00279 | -.19502 | .88188 | .00012  |
| Stddev | .00081   | .00107  | .00091   | .00350  | .00171  | .03485  | .00628 | .00016  |
| %RSD   | 10.304   | 101.66  | 5.1847   | 170.05  | 61.309  | 17.867  | .71212 | 132.44  |
| #1     | .00868   | -.00018 | .01845   | -.00313 | -.00281 | -.19052 | .88712 | -.00002 |
| #2     | .00793   | .00160  | .01777   | -.00489 | -.00450 | -.16265 | .88361 | .00030  |
| #3     | .00706   | .00174  | .01664   | .00185  | -.00107 | -.23190 | .87492 | .00009  |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00064   | 291.14  | .00293   | .01332  | .02540  | .05732  | 2.0272 | 31.301  |
| Stddev | .00003   | .92     | .00074   | .00007  | .00063  | .00062  | .0026  | .240    |
| %RSD   | 5.0676   | .31680  | 25.403   | .52611  | 2.4717  | 1.0786  | .12944 | .76594  |
| #1     | .00063   | 292.20  | .00346   | .01336  | .02518  | .05686  | 2.0281 | 31.214  |
| #2     | .00067   | 290.57  | .00208   | .01336  | .02611  | .05707  | 2.0293 | 31.572  |
| #3     | .00061   | 290.64  | .00323   | .01324  | .02492  | .05802  | 2.0243 | 31.117  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01252   | -.00818 | F 2312.1 | -.00452 | .10936  | 35.697  | .02345 | .15423  |
| Stddev | .00066   | .00034  | 82.3     | .00045  | .00023  | .104    | .00024 | .01927  |
| %RSD   | 5.2841   | 4.1148  | 3.5614   | 9.9566  | .20742  | .29172  | 1.0317 | 12.497  |
| #1     | .01206   | -.00821 | 2388.1   | -.00407 | .10962  | 35.813  | .02331 | .13208  |
| #2     | .01328   | -.00783 | 2323.6   | -.00452 | .10925  | 35.612  | .02373 | .16350  |
| #3     | .01222   | -.00850 | 2224.6   | -.00497 | .10922  | 35.667  | .02332 | .16713  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 69.612 | 6.8561  | -.02408  | .00677  | .02905  | .0165   | 1.5091 | 6.2412  |
| Stddev | .445     | .0137   | .00153   | .00507  | .00298  | .0030   | .0047  | .1180   |
| %RSD   | .63890   | .19913  | 6.3726   | 74.845  | 10.254  | 18.16   | .30960 | 1.8901  |
| #1     | 70.100   | 6.8459  | -.02527  | .01095  | .02892  | .0151   | 1.5145 | 6.3771  |
| #2     | 69.503   | 6.8507  | -.02462  | .00113  | .02614  | .0145   | 1.5060 | 6.1813  |
| #3     | 69.231   | 6.8716  | -.02234  | .00823  | .03210  | .0200   | 1.5068 | 6.1653  |

Sample Name: K2103-13      Acquired: 3/28/2019 19:13:27      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BO      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.027 |
| Stddev | .962   |
| %RSD   | 8.7251 |

|    |        |
|----|--------|
| #1 | 9.9672 |
| #2 | 11.269 |
| #3 | 11.845 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2821.0 | 32275. | 3052.7 | 41.889 | 2815.5 |
| Stddev    | 21.7   | 91.    | .4     | .776   | 18.3   |
| %RSD      | .76976 | .28278 | .01453 | 1.8520 | .64870 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2795.9 | 32194. | 3053.0 | 41.077 | 2794.7 |
| #2 | 2833.8 | 32257. | 3052.2 | 41.967 | 2823.0 |
| #3 | 2833.3 | 32374. | 3052.9 | 42.623 | 2828.9 |

Sample Name: K2103-13DUP      Acquired: 3/28/2019 19:17:58      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |        |        |
|--------|----------|---------|----------|---------|---------|---------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00725   | .00268  | .01827   | .00224  | -.00079 | -.20869 | .89253 | .00010 |
| Stddev | .00370   | .00069  | .00050   | .00538  | .00337  | .01650  | .00646 | .00005 |
| %RSD   | 51.083   | 25.909  | 2.7189   | 239.97  | 428.83  | 7.9060  | .72381 | 55.321 |
| #1     | .01087   | .00335  | .01867   | -.00278 | -.00315 | -.20059 | .89052 | .00009 |
| #2     | .00347   | .00196  | .01842   | .00791  | -.00228 | -.19782 | .89976 | .00005 |
| #3     | .00739   | .00272  | .01771   | .00160  | .00307  | -.22768 | .88731 | .00016 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00062   | 298.08  | .00341   | .01339  | .02613  | .05755  | 2.0635 | 31.742 |
| Stddev | .00004   | 1.43    | .00017   | .00007  | .00047  | .00031  | .0040  | .248   |
| %RSD   | 6.5978   | .48135  | 4.8541   | .49729  | 1.7983  | .54151  | .19420 | .78057 |
| #1     | .00058   | 296.46  | .00356   | .01338  | .02648  | .05786  | 2.0658 | 31.765 |
| #2     | .00063   | 299.19  | .00345   | .01334  | .02633  | .05757  | 2.0658 | 31.978 |
| #3     | .00066   | 298.59  | .00323   | .01347  | .02560  | .05724  | 2.0589 | 31.484 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01277   | -.00777 | F 2246.6 | -.00461 | .11157  | 36.044  | .02406 | .14054 |
| Stddev | .00036   | .00084  | 78.3     | .00050  | .00035  | .225    | .00034 | .01339 |
| %RSD   | 2.8180   | 10.817  | 3.4843   | 10.787  | .31630  | .62464  | 1.3992 | 9.5272 |
| #1     | .01272   | -.00868 | 2331.1   | -.00487 | .11132  | 35.899  | .02443 | .12543 |
| #2     | .01244   | -.00702 | 2232.2   | -.00491 | .11197  | 36.303  | .02377 | .14526 |
| #3     | .01315   | -.00761 | 2176.6   | -.00403 | .11142  | 35.928  | .02398 | .15092 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 70.801 | 7.0375  | -.02420  | .00496  | .02713  | .0133   | 1.5424 | 7.2060 |
| Stddev | .128     | .0188   | .00018   | .00174  | .00306  | .0010   | .0086  | .3451  |
| %RSD   | .18089   | .26735  | .75470   | 35.148  | 11.265  | 7.160   | .55655 | 4.7887 |
| #1     | 70.674   | 7.0494  | -.02416  | .00534  | .02592  | .0134   | 1.5334 | 7.5801 |
| #2     | 70.930   | 7.0158  | -.02405  | .00306  | .02487  | .0123   | 1.5505 | 6.9002 |
| #3     | 70.799   | 7.0472  | -.02440  | .00648  | .03061  | .0141   | 1.5432 | 7.1378 |

Sample Name: K2103-13DUP      Acquired: 3/28/2019 19:17:58      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.000 |
| Stddev | .492   |
| %RSD   | 4.4738 |

|    |        |
|----|--------|
| #1 | 11.479 |
| #2 | 11.025 |
| #3 | 10.496 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2778.0 | 31693. | 2965.6 | 41.231 | 2768.1 |
| Stddev    | 1.8    | 101.   | 2.6    | 1.273  | 3.7    |
| %RSD      | .06386 | .31851 | .08657 | 3.0878 | .13413 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2779.2 | 31672. | 2968.3 | 42.550 | 2772.1 |
| #2 | 2775.9 | 31604. | 2965.3 | 41.134 | 2764.7 |
| #3 | 2778.8 | 31802. | 2963.2 | 40.009 | 2767.6 |

Sample Name: K2103-13LX5      Acquired: 3/28/2019 19:22:30      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |        |         |
|--------|----------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00189   | .00061  | .00344  | .00356  | -.00198 | -.05411 | .16651 | .00014  |
| Stddev | .00167   | .00030  | .00050  | .00256  | .00104  | .00790  | .00134 | .00004  |
| %RSD   | 88.161   | 49.309  | 14.656  | 72.054  | 52.748  | 14.604  | .80231 | 31.311  |
| #1     | .00358   | .00051  | .00355  | .00149  | -.00137 | -.04615 | .16745 | .00014  |
| #2     | .00025   | .00095  | .00289  | .00276  | -.00139 | -.05423 | .16710 | .00009  |
| #3     | .00185   | .00037  | .00388  | .00643  | -.00319 | -.06195 | .16498 | .00018  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00020   | 60.649  | .00140  | .00264  | .00587  | .00133  | .42169 | 5.9827  |
| Stddev | .00007   | .130    | .00032  | .00019  | .00009  | .00109  | .00115 | .1158   |
| %RSD   | 35.704   | .21362  | 22.570  | 7.0865  | 1.5117  | 82.311  | .27267 | 1.9355  |
| #1     | .00012   | 60.682  | .00114  | .00286  | .00576  | .00042  | .42042 | 6.0944  |
| #2     | .00023   | 60.506  | .00130  | .00252  | .00592  | .00103  | .42200 | 5.9905  |
| #3     | .00024   | 60.759  | .00175  | .00255  | .00592  | .00254  | .42265 | 5.8632  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00186   | -.00314 | 458.39  | -.00082 | .02063  | 6.3159  | .00489 | .02061  |
| Stddev | .00027   | .00063  | 10.71   | .00049  | .00023  | .0853   | .00027 | .02916  |
| %RSD   | 14.406   | 20.027  | 2.3365  | 59.364  | 1.1076  | 1.3512  | 5.4782 | 141.48  |
| #1     | .00160   | -.00349 | 446.12  | -.00118 | .02090  | 6.2701  | .00473 | -.00843 |
| #2     | .00185   | -.00241 | 465.86  | -.00027 | .02048  | 6.4144  | .00520 | .04989  |
| #3     | .00214   | -.00351 | 463.19  | -.00102 | .02053  | 6.2632  | .00474 | .02037  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | F 12.616 | 1.4808  | -.00450 | .01466  | .02334  | .0022   | .30516 | 5.6993  |
| Stddev | .039     | .0113   | .00011  | .00261  | .00271  | .0008   | .00134 | .4433   |
| %RSD   | .30734   | .76393  | 2.4551  | 17.823  | 11.615  | 38.71   | .43827 | 7.7774  |
| #1     | 12.657   | 1.4938  | -.00441 | .01496  | .02021  | .0026   | .30670 | 5.1971  |
| #2     | 12.610   | 1.4728  | -.00462 | .01710  | .02487  | .0026   | .30431 | 5.8647  |
| #3     | 12.580   | 1.4759  | -.00448 | .01190  | .02494  | .0012   | .30446 | 6.0361  |

Sample Name: K2103-13LX5      Acquired: 3/28/2019 19:22:30      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      6.7960  
Stddev      1.4097  
%RSD      20.743

#1      5.2097  
#2      7.9052  
#3      7.2733

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3119.7 | 35498. | 3066.3 | 42.545 | 3312.4 |
| Stddev    | 7.5    | 131.   | 14.3   | .915   | 13.0   |
| %RSD      | .23963 | .36904 | .46779 | 2.1496 | .39095 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3112.7 | 35521. | 3064.4 | 42.815 | 3297.5 |
| #2 | 3127.5 | 35357. | 3081.4 | 43.294 | 3321.2 |
| #3 | 3118.7 | 35616. | 3052.9 | 41.526 | 3318.3 |

Sample Name: K2103-13MS      Acquired: 3/28/2019 19:27:02      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |        |        |        |        |        |
|--------|----------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .90939   | 1.8524 | 1.0204   | 2.1834 | .88577 | 2.2011 | 1.0937 | .22991 |
| Stddev | .00240   | .0051  | .0016    | .0093  | .00680 | .0201  | .0087  | .00074 |
| %RSD   | .26350   | .27304 | .15525   | .42450 | .76751 | .91495 | .79856 | .32070 |
| #1     | .91189   | 1.8558 | 1.0189   | 2.1793 | .87962 | 2.2116 | 1.1027 | .23067 |
| #2     | .90712   | 1.8466 | 1.0203   | 2.1768 | .88463 | 2.1779 | 1.0933 | .22920 |
| #3     | .90915   | 1.8549 | 1.0221   | 2.1939 | .89307 | 2.2138 | 1.0852 | .22985 |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20611   | 291.57 | .39552   | .21882 | .32803 | 2.9198 | 2.1885 | 32.648 |
| Stddev | .00051   | 2.42   | .00066   | .00086 | .00030 | .0113  | .0079  | .283   |
| %RSD   | .24676   | .83063 | .16668   | .39374 | .09116 | .38623 | .36193 | .86551 |
| #1     | .20580   | 294.34 | .39573   | .21786 | .32837 | 2.9326 | 2.1976 | 32.948 |
| #2     | .20670   | 289.90 | .39605   | .21953 | .32785 | 2.9113 | 2.1840 | 32.611 |
| #3     | .20584   | 290.45 | .39478   | .21908 | .32786 | 2.9155 | 2.1838 | 32.387 |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .53170   | .07197 | F 2300.0 | .31119 | .36789 | 48.430 | .41568 | .44209 |
| Stddev | .00052   | .00048 | 103.9    | .00208 | .00099 | .283   | .00044 | .01517 |
| %RSD   | .09788   | .66331 | 4.5172   | .66835 | .26946 | .58443 | .10546 | 3.4312 |
| #1     | .53114   | .07249 | 2397.1   | .31337 | .36721 | 48.678 | .41540 | .44089 |
| #2     | .53217   | .07187 | 2312.4   | .31097 | .36903 | 48.489 | .41545 | .42756 |
| #3     | .53179   | .07155 | 2190.5   | .30923 | .36743 | 48.122 | .41619 | .45782 |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 68.412 | 7.8196 | .68031   | .20155 | .26136 | 7.021  | 1.7058 | 7.4681 |
| Stddev | .217     | .0453  | .00095   | .00357 | .00129 | .023   | .0140  | .5717  |
| %RSD   | .31665   | .57889 | .13926   | 1.7699 | .49313 | .3272  | .82328 | 7.6554 |
| #1     | 68.567   | 7.8635 | .67937   | .20553 | .26269 | 7.028  | 1.7216 | 7.6431 |
| #2     | 68.164   | 7.7731 | .68127   | .20047 | .26011 | 6.995  | 1.7010 | 6.8294 |
| #3     | 68.505   | 7.8223 | .68030   | .19864 | .26127 | 7.039  | 1.6948 | 7.9320 |



Sample Name: K2103-13MS      Acquired: 3/28/2019 19:27:02      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SHORE-RD-BO Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.8712 |
| Stddev | 1.4043 |
| %RSD   | 75.048 |

|    |        |
|----|--------|
| #1 | 3.3819 |
| #2 | .60548 |
| #3 | 1.6263 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2825.8 | 32491. | 2999.5 | 40.871 | 2825.2 |
| Stddev    | 6.4    | 167.   | 19.6   | .888   | 4.4    |
| %RSD      | .22721 | .51475 | .65320 | 2.1738 | .15701 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2822.5 | 32309. | 2978.0 | 40.450 | 2822.4 |
| #2 | 2833.2 | 32524. | 3016.3 | 40.270 | 2823.0 |
| #3 | 2821.7 | 32639. | 3004.3 | 41.891 | 2830.3 |

Sample Name: K2103-13MSD      Acquired: 3/28/2019 19:31:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |        |        |        |        |        |
|--------|----------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .91777   | 1.8797 | 1.0400   | 2.2174 | .89512 | 2.2219 | 1.1064 | .23504 |
| Stddev | .00643   | .0047  | .0053    | .0030  | .00175 | .0199  | .0012  | .00029 |
| %RSD   | .70008   | .25049 | .50510   | .13360 | .19603 | .89494 | .10877 | .12282 |
| #1     | .92348   | 1.8826 | 1.0456   | 2.2202 | .89372 | 2.2405 | 1.1078 | .23480 |
| #2     | .91902   | 1.8821 | 1.0394   | 2.2143 | .89454 | 2.2010 | 1.1060 | .23536 |
| #3     | .91081   | 1.8742 | 1.0351   | 2.2176 | .89709 | 2.2242 | 1.1055 | .23496 |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20990   | 295.70 | .40481   | .22285 | .33237 | 2.9755 | 2.2298 | 33.011 |
| Stddev | .00142   | .10    | .00419   | .00063 | .00026 | .0177  | .0038  | .144   |
| %RSD   | .67510   | .03520 | 1.0346   | .28111 | .07949 | .59459 | .16934 | .43675 |
| #1     | .21146   | 295.62 | .40351   | .22356 | .33216 | 2.9773 | 2.2276 | 32.851 |
| #2     | .20956   | 295.82 | .40950   | .22263 | .33266 | 2.9923 | 2.2342 | 33.131 |
| #3     | .20868   | 295.67 | .40143   | .22237 | .33227 | 2.9570 | 2.2277 | 33.050 |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54097   | .07461 | F 2162.0 | .31546 | .37436 | 49.015 | .41882 | .44972 |
| Stddev | .00348   | .00047 | 57.0     | .00176 | .00120 | .178   | .00114 | .02089 |
| %RSD   | .64324   | .62473 | 2.6365   | .55927 | .32068 | .36291 | .27294 | 4.6450 |
| #1     | .54484   | .07501 | 2208.0   | .31380 | .37569 | 48.965 | .41797 | .45600 |
| #2     | .53810   | .07473 | 2179.7   | .31731 | .37403 | 49.212 | .41838 | .42641 |
| #3     | .53997   | .07410 | 2098.2   | .31528 | .37336 | 48.867 | .42012 | .46675 |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 69.837 | 7.9791 | .69435   | .20401 | .26354 | 7.182  | 1.7208 | 8.7534 |
| Stddev | .376     | .0174  | .00813   | .00347 | .00056 | .041   | .0029  | .3206  |
| %RSD   | .53867   | .21850 | 1.1704   | 1.7023 | .21286 | .5689  | .16792 | 3.6627 |
| #1     | 70.221   | 7.9684 | .70256   | .20113 | .26346 | 7.215  | 1.7237 | 8.4076 |
| #2     | 69.821   | 7.9992 | .69417   | .20303 | .26302 | 7.195  | 1.7208 | 8.8119 |
| #3     | 69.469   | 7.9697 | .68631   | .20786 | .26413 | 7.136  | 1.7179 | 9.0408 |

Sample Name: K2103-13MSD      Acquired: 3/28/2019 19:31:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SHORE-RD-BO Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.7156 |
| Stddev | .9566  |
| %RSD   | 25.745 |

|    |        |
|----|--------|
| #1 | 2.6457 |
| #2 | 4.4881 |
| #3 | 4.0132 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2802.1 | 31933. | 2944.1 | 41.650 | 2776.5 |
| Stddev    | 4.5    | 108.   | 5.9    | .392   | 13.0   |
| %RSD      | .16024 | .33944 | .20006 | .94158 | .46864 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2797.0 | 32025. | 2948.6 | 41.342 | 2761.8 |
| #2 | 2805.2 | 31813. | 2937.5 | 42.091 | 2781.1 |
| #3 | 2804.3 | 31960. | 2946.2 | 41.517 | 2786.5 |

Sample Name: CCB18      Acquired: 3/28/2019 19:35:33      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |        |         |         |        |
|--------|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934  | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00103 | .00144 | -.00312 | .00397 | .00062 | -.01130 | -.00264 | .00003 |
| Stddev | .00376 | .00118 | .00063  | .00319 | .00042 | .01880  | .00032  | .00008 |
| %RSD   | 365.16 | 81.644 | 20.133  | 80.392 | 68.374 | 166.35  | 11.963  | 255.46 |

|    |         |        |         |        |        |         |         |         |
|----|---------|--------|---------|--------|--------|---------|---------|---------|
| #1 | .00324  | .00073 | -.00374 | .00229 | .00073 | -.02143 | -.00275 | -.00006 |
| #2 | .00316  | .00080 | -.00248 | .00198 | .00015 | .01039  | -.00229 | .00010  |
| #3 | -.00331 | .00280 | -.00315 | .00766 | .00097 | -.02287 | -.00289 | .00005  |

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00011 | -.02345 | .00136 | -.00011 | -.00135 | -.00946 | -.00008 | -.07477 |
| Stddev | .00009  | .01266  | .00035 | .00007  | .00053  | .00033  | .00006  | .02920  |
| %RSD   | 81.749  | 53.979  | 26.015 | 68.886  | 39.092  | 3.4771  | 74.452  | 39.045  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00012 | -.01161 | .00146 | -.00004 | -.00091 | -.00911 | -.00015 | -.04375 |
| #2 | -.00002 | -.03679 | .00166 | -.00009 | -.00194 | -.00953 | -.00002 | -.07886 |
| #3 | -.00019 | -.02193 | .00097 | -.00018 | -.00121 | -.00975 | -.00008 | -.10171 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00098 | -.00144 | 4.3507 | .00047 | .00188 | .44375 | -.00006 | .01593 |
| Stddev | .00063 | .00118  | .1526  | .00015 | .00007 | .04706 | .00026  | .02193 |
| %RSD   | 64.516 | 82.014  | 3.5065 | 31.447 | 3.6428 | 10.606 | 415.58  | 137.67 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00168 | -.00169 | 4.5008 | .00031 | .00181 | .47099 | .00023  | .03966  |
| #2 | .00080 | -.00015 | 4.3554 | .00059 | .00194 | .47086 | -.00013 | -.00359 |
| #3 | .00046 | -.00247 | 4.1958 | .00052 | .00188 | .38941 | -.00028 | .01173  |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01103 | .00526 | -.00162 | .01237 | .01463 | .0009  | -.00016 | 1.1686 |
| Stddev | .00333 | .00008 | .00055  | .00349 | .00163 | .0011  | .00016  | .3998  |
| %RSD   | 30.197 | 1.4272 | 33.639  | 28.237 | 11.133 | 117.0  | 99.093  | 34.209 |

|    |        |        |         |        |        |        |         |        |
|----|--------|--------|---------|--------|--------|--------|---------|--------|
| #1 | .01154 | .00518 | -.00116 | .01410 | .01361 | .0007  | -.00033 | .80617 |
| #2 | .00747 | .00526 | -.00148 | .00835 | .01376 | -.0000 | -.00015 | 1.5974 |
| #3 | .01407 | .00533 | -.00223 | .01466 | .01650 | .0022  | -.00001 | 1.1023 |

Sample Name: CCB18      Acquired: 3/28/2019 19:35:33      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.4620  
 Stddev      .9104  
 %RSD      36.980

#1      2.5675  
 #2      3.3152  
 #3      1.5035

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.5 | 39227. | 3175.5 | 45.911 | 3974.3 |
| Stddev    | 4.6    | 63.    | 7.7    | 2.436  | 1.9    |
| %RSD      | .13164 | .16096 | .24287 | 5.3057 | .04783 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3468.8 | 39168. | 3169.0 | 47.233 | 3976.3 |
| #2 | 3461.3 | 39220. | 3173.6 | 47.400 | 3972.5 |
| #3 | 3469.5 | 39294. | 3184.0 | 43.100 | 3974.1 |

Sample Name: CCB19      Acquired: 3/28/2019 19:40:00      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |        |        |         |         |        |
|--------|---------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00104 | .00103 | -.00257 | .00123 | .00031 | -.00274 | -.00263 | .00006 |
| Stddev | .00165  | .00071 | .00062  | .00249 | .00039 | .00902  | .00087  | .00006 |
| %RSD   | 157.96  | 68.562 | 24.327  | 203.46 | 124.48 | 329.60  | 33.039  | 103.42 |

|    |         |        |         |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|---------|--------|
| #1 | -.00031 | .00033 | -.00212 | -.00093 | -.00001 | .00428  | -.00274 | .00005 |
| #2 | -.00293 | .00175 | -.00328 | .00066  | .00020  | .00042  | -.00344 | .00000 |
| #3 | .00012  | .00102 | -.00230 | .00396  | .00074  | -.01291 | -.00171 | .00012 |

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00011 | -.00829 | .00134 | -.00002 | -.00212 | -.00711 | -.00004 | -.07750 |
| Stddev | .00004  | .02676  | .00040 | .00022  | .00013  | .00089  | .00007  | .07457  |
| %RSD   | 39.634  | 322.70  | 30.032 | 1046.4  | 6.2825  | 12.580  | 206.10  | 96.214  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00007 | .00579  | .00180 | .00017  | -.00227 | -.00812 | -.00007 | -.04404 |
| #2 | -.00015 | -.03916 | .00115 | -.00026 | -.00201 | -.00678 | -.00009 | -.16294 |
| #3 | -.00011 | .00849  | .00107 | .00003  | -.00210 | -.00642 | .00005  | -.02553 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00112 | -.00202 | 2.4236 | -.00014 | .00188 | .26778 | -.00012 | .01239 |
| Stddev | .00025 | .00053  | .0169  | .00040  | .00006 | .01542 | .00042  | .02000 |
| %RSD   | 22.399 | 26.273  | .69732 | 280.22  | 3.0419 | 5.7585 | 340.89  | 161.43 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00117 | -.00143 | 2.4186 | -.00054 | .00182 | .26882 | .00033  | -.01041 |
| #2 | .00135 | -.00219 | 2.4098 | -.00014 | .00194 | .28265 | -.00048 | .02696  |
| #3 | .00085 | -.00245 | 2.4424 | .00026  | .00188 | .25186 | -.00022 | .02063  |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00632 | .00383 | -.00196 | .01451 | .00429 | -.0001 | -.00016 | .52451 |
| Stddev | .00452 | .00161 | .00005  | .00068 | .00089 | .0004  | .00012  | .57398 |
| %RSD   | 71.446 | 42.008 | 2.5083  | 4.6973 | 20.818 | 620.1  | 75.045  | 109.43 |

|    |        |        |         |        |        |        |         |         |
|----|--------|--------|---------|--------|--------|--------|---------|---------|
| #1 | .01113 | .00221 | -.00191 | .01487 | .00327 | .0004  | -.00020 | -.13665 |
| #2 | .00216 | .00386 | -.00200 | .01495 | .00495 | -.0002 | -.00026 | .89523  |
| #3 | .00569 | .00543 | -.00198 | .01373 | .00466 | -.0004 | -.00003 | .81494  |

Sample Name: CCB19      Acquired: 3/28/2019 19:40:00      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.6428  
 Stddev      1.7870  
 %RSD      67.618

#1      3.8350  
 #2      .58814  
 #3      3.5053

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3481.7 | 39572. | 3210.1 | 45.575 | 3996.7 |
| Stddev    | 4.9    | 221.   | 23.9   | .998   | 2.2    |
| %RSD      | .14036 | .55751 | .74555 | 2.1897 | .05431 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3484.9 | 39412. | 3186.0 | 44.617 | 3994.3 |
| #2 | 3484.1 | 39824. | 3210.3 | 46.608 | 3998.5 |
| #3 | 3476.1 | 39480. | 3233.9 | 45.500 | 3997.4 |

Sample Name: CCV07      Acquired: 3/28/2019 19:44:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0617 | 4.9525 | 4.9587 | 5.0206 | 5.0862 | 10.267 | 10.303 | .25384   |
| Stddev | .0077  | .0192  | .0114  | .0045  | .0077  | .038   | .077   | .00061   |
| %RSD   | .15237 | .38783 | .22936 | .08883 | .15099 | .37046 | .75111 | .24163   |
| #1     | 5.0602 | 4.9309 | 4.9463 | 5.0180 | 5.0867 | 10.298 | 10.389 | .25448   |
| #2     | 5.0701 | 4.9590 | 4.9686 | 5.0258 | 5.0936 | 10.279 | 10.282 | .25378   |
| #3     | 5.0549 | 4.9676 | 4.9613 | 5.0181 | 5.0783 | 10.225 | 10.239 | .25326   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4568 | 24.342 | .97368 | 2.4740 | 1.2783 | 4.8295 | 2.5286 | 24.642   |
| Stddev | .0027  | .074   | .00258 | .0021  | .0010  | .0077  | .0037  | .062     |
| %RSD   | .10999 | .30465 | .26493 | .08425 | .07562 | .15855 | .14732 | .25288   |
| #1     | 2.4539 | 24.300 | .97551 | 2.4731 | 1.2787 | 4.8343 | 2.5326 | 24.674   |
| #2     | 2.4593 | 24.299 | .97073 | 2.4764 | 1.2790 | 4.8207 | 2.5280 | 24.570   |
| #3     | 2.4571 | 24.428 | .97481 | 2.4725 | 1.2772 | 4.8336 | 2.5253 | 24.681   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5059 | 1.2182 | 23.400 | 2.5122 | 2.5121 | 25.730 | 5.0439 | 5.1999   |
| Stddev | .0033  | .0019  | .085   | .0031  | .0033  | .150   | .0063  | .0226    |
| %RSD   | .13175 | .15834 | .36145 | .12468 | .13163 | .58336 | .12546 | .43410   |
| #1     | 2.5052 | 1.2203 | 23.498 | 2.5107 | 2.5085 | 25.893 | 5.0418 | 5.2131   |
| #2     | 2.5095 | 1.2165 | 23.357 | 2.5101 | 2.5151 | 25.698 | 5.0510 | 5.1739   |
| #3     | 2.5031 | 1.2179 | 23.346 | 2.5158 | 2.5126 | 25.598 | 5.0388 | 5.2128   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0480 | 5.0383 | 4.9072 | 4.9783 | 4.8802 | 4.907  | 5.0882 | F 3.5760 |
| Stddev | .0133  | .0396  | .0149  | .0242  | .0240  | .019   | .0161  | .4857    |
| %RSD   | .26363 | .78707 | .30281 | .48538 | .49201 | .3809  | .31625 | 13.583   |
| #1     | 5.0331 | 5.0022 | 4.8902 | 4.9718 | 4.8581 | 4.886  | 5.0824 | 3.3694   |
| #2     | 5.0524 | 5.0319 | 4.9179 | 4.9580 | 4.8769 | 4.920  | 5.0757 | 4.1309   |
| #3     | 5.0586 | 5.0807 | 4.9134 | 5.0050 | 4.9057 | 4.916  | 5.1063 | 3.2278   |



Sample Name: CCV07      Acquired: 3/28/2019 19:44:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.9224  
Stddev      .7886  
%RSD      26.984

#1      3.7682  
#2      2.2075  
#3      2.7915

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3292.4 | 37419. | 3127.3 | 42.037 | 3541.8 |
| Stddev    | 5.6    | 92.    | 22.2   | 1.144  | 3.0    |
| %RSD      | .16904 | .24607 | .70999 | 2.7220 | .08553 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3287.4 | 37312. | 3146.2 | 43.111 | 3544.0 |
| #2 | 3291.3 | 37471. | 3132.9 | 42.165 | 3538.3 |
| #3 | 3298.4 | 37473. | 3102.8 | 40.834 | 3543.1 |

Sample Name: CCB07      Acquired: 3/28/2019 19:48:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |          |          |         |         |          |
|--------|---------|---------|----------|----------|----------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960   | Sb2068   | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00012  | .00154  | -.00266  | .00175   | -.00052  | -.02246 | -.00245 | .00009   |
| Stddev | .00229  | .00054  | .00068   | .00258   | .00211   | .00092  | .00209  | .00003   |
| %RSD   | 1884.2  | 34.781  | 25.678   | 147.49   | 407.03   | 4.1179  | 85.341  | 38.681   |
| #1     | .00138  | .00186  | -.00339  | -.00052  | -.00118  | -.02264 | -.00015 | .00006   |
| #2     | .00151  | .00185  | -.00203  | .00456   | -.00223  | -.02328 | -.00295 | .00013   |
| #3     | -.00253 | .00092  | -.00257  | .00121   | .00185   | -.02146 | -.00424 | .00008   |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286   | Cu2247   | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | -.00012 | -.02616 | .00110   | .00004   | -.00264  | -.00632 | .00005  | -.11544  |
| Stddev | .00003  | .01619  | .00108   | .00022   | .00054   | .00079  | .00007  | .14862   |
| %RSD   | 22.597  | 61.885  | 97.991   | 499.50   | 20.406   | 12.468  | 136.26  | 128.74   |
| #1     | -.00011 | -.03866 | .00135   | -.00002  | -.00326  | -.00583 | -.00002 | -.28549  |
| #2     | -.00015 | -.03194 | .00202   | .00028   | -.00235  | -.00591 | .00005  | -.05043  |
| #3     | -.00009 | -.00787 | -.00008  | -.00013  | -.00230  | -.00723 | .00012  | -.01040  |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924   | Zn2138   | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00146  | -.00193 | F 1.5365 | .00035   | .00045   | .20156  | .00013  | .00046   |
| Stddev | .00059  | .00037  | .0224    | .00039   | .00003   | .03045  | .00010  | .01748   |
| %RSD   | 40.517  | 19.235  | 1.4603   | 111.66   | 5.5700   | 15.109  | 76.160  | 3794.5   |
| #1     | .00210  | -.00230 | 1.5142   | -.00006  | .00043   | .16689  | .00012  | .01152   |
| #2     | .00093  | -.00194 | 1.5364   | .00039   | .00048   | .22400  | .00004  | .00955   |
| #3     | .00136  | -.00156 | 1.5590   | .00073   | .00045   | .21378  | .00024  | -.01969  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361   | Li6707   | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00276  | .00315  | .00036   | F .01368 | F .00556 | -.0002  | -.00010 | F .29273 |
| Stddev | .00187  | .00120  | .00101   | .00197   | .00119   | .0013   | .00006  | .45330   |
| %RSD   | 67.994  | 38.019  | 281.32   | 14.361   | 21.380   | 757.0   | 57.155  | 154.85   |
| #1     | .00145  | .00192  | .00112   | .01293   | .00526   | -.0008  | -.00016 | .80448   |
| #2     | .00490  | .00431  | .00075   | .01592   | .00455   | -.0009  | -.00006 | -.05834  |
| #3     | .00191  | .00323  | -.00079  | .01221   | .00687   | .0013   | -.00007 | .13204   |

Sample Name: CCB07      Acquired: 3/28/2019 19:48:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.8172  
Stddev      .1791  
%RSD      6.3567

#1      2.9476  
#2      2.6130  
#3      2.8910

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3549.9 | 40206. | 3235.3 | 47.108 | 4084.1 |
| Stddev    | 3.2    | 269.   | 14.8   | .786   | 3.3    |
| %RSD      | .08965 | .66806 | .45642 | 1.6681 | .07962 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3552.6 | 39915. | 3218.7 | 47.958 | 4084.7 |
| #2 | 3546.4 | 40260. | 3240.2 | 46.958 | 4080.6 |
| #3 | 3550.8 | 40444. | 3246.9 | 46.408 | 4087.0 |

Sample Name: K2103-13A      Acquired: 3/28/2019 19:52:57      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |          |        |        |        |        |        |
|--------|----------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890   | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .91540   | 1.8815 | 1.0372   | 2.2125 | .88923 | 2.2107 | 1.1050 | .23470 |
| Stddev | .00581   | .0087  | .0030    | .0043  | .00320 | .0599  | .0022  | .00049 |
| %RSD   | .63507   | .46288 | .28730   | .19530 | .35987 | 2.7082 | .20382 | .21058 |
| #1     | .91710   | 1.8848 | 1.0360   | 2.2159 | .89192 | 2.1902 | 1.1073 | .23428 |
| #2     | .90893   | 1.8881 | 1.0406   | 2.2077 | .88569 | 2.1637 | 1.1049 | .23457 |
| #3     | .92018   | 1.8716 | 1.0350   | 2.2140 | .89007 | 2.2781 | 1.1028 | .23525 |
| Elem   | Cd2265   | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21057   | 295.46 | .40851   | .22280 | .32987 | 2.9970 | 2.2254 | 33.014 |
| Stddev | .00063   | 2.27   | .00052   | .00036 | .00023 | .0229  | .0015  | .234   |
| %RSD   | .29722   | .76669 | .12754   | .15946 | .07098 | .76376 | .06699 | .70857 |
| #1     | .21101   | 295.44 | .40909   | .22321 | .32960 | 2.9730 | 2.2242 | 32.801 |
| #2     | .21084   | 297.73 | .40834   | .22257 | .33002 | 3.0187 | 2.2249 | 32.976 |
| #3     | .20985   | 293.20 | .40809   | .22262 | .32999 | 2.9992 | 2.2270 | 33.265 |
| Elem   | Ni2316   | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54262   | .07342 | F 2443.4 | .31473 | .37365 | 48.776 | .41769 | .44994 |
| Stddev | .00070   | .00064 | 51.0     | .00276 | .00157 | .051   | .00074 | .01435 |
| %RSD   | .12867   | .87168 | 2.0892   | .87656 | .41981 | .10427 | .17759 | 3.1887 |
| #1     | .54342   | .07379 | 2499.1   | .31571 | .37474 | 48.833 | .41699 | .46267 |
| #2     | .54229   | .07268 | 2432.4   | .31162 | .37436 | 48.735 | .41763 | .45276 |
| #3     | .54215   | .07378 | 2398.8   | .31687 | .37185 | 48.761 | .41847 | .43439 |
| Elem   | S_1820   | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 69.409 | 7.8822 | .69693   | .20170 | .26658 | 7.173  | 1.7155 | 8.0477 |
| Stddev | .033     | .0482  | .00454   | .00449 | .00086 | .026   | .0117  | .2187  |
| %RSD   | .04710   | .61157 | .65196   | 2.2245 | .32156 | .3646  | .68221 | 2.7175 |
| #1     | 69.446   | 7.8780 | .69850   | .19670 | .26574 | 7.157  | 1.7178 | 7.8124 |
| #2     | 69.393   | 7.9325 | .70048   | .20536 | .26656 | 7.203  | 1.7259 | 8.0858 |
| #3     | 69.386   | 7.8363 | .69181   | .20305 | .26745 | 7.159  | 1.7029 | 8.2448 |

Sample Name: K2103-13A      Acquired: 3/28/2019 19:52:57      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.6494  
Stddev      1.1938  
%RSD      32.713

#1      3.8546  
#2      2.3662  
#3      4.7273

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2839.2 | 32442. | 3002.6 | 41.226 | 2805.9 |
| Stddev    | 16.5   | 43.    | 19.1   | 1.091  | 8.4    |
| %RSD      | .58080 | .13340 | .63492 | 2.6451 | .29890 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2836.3 | 32427. | 3004.9 | 40.334 | 2801.7 |
| #2 | 2857.0 | 32491. | 2982.5 | 40.902 | 2815.6 |
| #3 | 2824.4 | 32408. | 3020.4 | 42.441 | 2800.5 |

Sample Name: K2103-14      Acquired: 3/28/2019 19:57:14      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00460 | .00187 | .00286 | .00338 | -.00185 | -.02451 | .30438 | .00012 |
| Stddev | .00296 | .00054 | .00028 | .00160 | .00173  | .00584  | .00065 | .00007 |
| %RSD   | 64.302 | 28.889 | 9.7617 | 47.224 | 93.320  | 23.828  | .21238 | 58.592 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00226 | .00205 | .00307 | .00470 | -.00000 | -.01939 | .30374 | .00005 |
| #2 | .00362 | .00229 | .00297 | .00385 | -.00213 | -.02328 | .30436 | .00012 |
| #3 | .00793 | .00126 | .00254 | .00160 | -.00342 | -.03088 | .30503 | .00019 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 54.194 | .00264 | .00124 | .00097 | .24285 | .47839 | 17.690 |
| Stddev | .00008  | .127   | .00041 | .00021 | .00087 | .00315 | .00151 | .104   |
| %RSD   | 132.61  | .23458 | 15.508 | 16.656 | 89.430 | 1.2984 | .31541 | .59008 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00009 | 54.319 | .00239 | .00109 | .00193 | .23995 | .47669 | 17.788 |
| #2 | -.00011 | 54.065 | .00311 | .00115 | .00076 | .24239 | .47895 | 17.702 |
| #3 | .00003  | 54.199 | .00242 | .00148 | .00023 | .24620 | .47955 | 17.580 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00494 | -.00286 | 28.416 | -.00072 | .11193 | 6.6201 | .00693 | .08974 |
| Stddev | .00067 | .00009  | .046   | .00061  | .00039 | .0277  | .00018 | .00245 |
| %RSD   | 13.592 | 3.2970  | .16193 | 84.748  | .34668 | .41887 | 2.5284 | 2.7296 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00554 | -.00290 | 28.468 | -.00125 | .11201 | 6.6353 | .00713 | .09224 |
| #2 | .00421 | -.00293 | 28.380 | -.00005 | .11151 | 6.5881 | .00682 | .08965 |
| #3 | .00506 | -.00275 | 28.400 | -.00086 | .11227 | 6.6369 | .00683 | .08734 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3053 | 5.7371 | -.00227 | .01654 | .00571 | .0214  | .19302 | .68418 |
| Stddev | .0197  | .0158  | .00106  | .00382 | .00097 | .0020  | .00103 | .42434 |
| %RSD   | .45740 | .27534 | 46.444  | 23.123 | 16.937 | 9.477  | .53480 | 62.022 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 4.3240 | 5.7534 | -.00139 | .02061 | .00549 | .0233 | .19421 | .37581 |
| #2 | 4.2848 | 5.7219 | -.00198 | .01303 | .00677 | .0193 | .19251 | .50859 |
| #3 | 4.3072 | 5.7359 | -.00344 | .01598 | .00487 | .0215 | .19234 | 1.1681 |

Sample Name: K2103-14      Acquired: 3/28/2019 19:57:14      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0241 |
| Stddev | .5609  |
| %RSD   | 18.548 |

|    |        |
|----|--------|
| #1 | 2.4016 |
| #2 | 3.4904 |
| #3 | 3.1802 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3459.7 | 39880. | 3294.8 | 46.977 | 3894.5 |
| Stddev    | 7.5    | 198.   | 16.0   | 1.980  | 5.1    |
| %RSD      | .21819 | .49681 | .48520 | 4.2140 | .13130 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.0 | 40076. | 3292.2 | 48.057 | 3889.3 |
| #2 | 3456.8 | 39882. | 3311.9 | 48.183 | 3894.7 |
| #3 | 3468.3 | 39680. | 3280.3 | 44.693 | 3899.5 |

Sample Name: K2103-15      Acquired: 3/28/2019 20:01:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C05-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00371 | .00100 | .00272 | .00617 | .01090 | -.04151 | .10305 | -.00001 |
| Stddev | .00205 | .00076 | .00031 | .00328 | .00132 | .00273  | .00162 | .00009  |
| %RSD   | 55.269 | 76.001 | 11.457 | 53.117 | 12.097 | 6.5769  | 1.5705 | 1628.4  |

|    |        |        |        |        |        |         |        |         |
|----|--------|--------|--------|--------|--------|---------|--------|---------|
| #1 | .00254 | .00150 | .00296 | .00260 | .00970 | -.04083 | .10120 | -.00010 |
| #2 | .00608 | .00138 | .00284 | .00903 | .01231 | -.04451 | .10377 | .00000  |
| #3 | .00251 | .00013 | .00237 | .00688 | .01070 | -.03918 | .10419 | .00009  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 54.665 | .00443 | .00155 | -.00275 | .04510 | .46018 | 20.769 |
| Stddev | .00008  | .247   | .00056 | .00018 | .00045  | .00047 | .00053 | .231   |
| %RSD   | 152.54  | .45265 | 12.642 | 11.541 | 16.273  | 1.0498 | .11482 | 1.1113 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00003  | 54.903 | .00439 | .00143 | -.00325 | .04487 | .45957 | 20.520 |
| #2 | -.00005 | 54.409 | .00388 | .00176 | -.00259 | .04478 | .46055 | 20.812 |
| #3 | -.00014 | 54.684 | .00500 | .00147 | -.00240 | .04564 | .46040 | 20.975 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00911 | -.00291 | 32.948 | -.00042 | .09355 | 7.3918 | .00703 | .10809 |
| Stddev | .00014 | .00113  | .033   | .00039  | .00063 | .0598  | .00022 | .01821 |
| %RSD   | 1.5545 | 38.634  | .09948 | 92.359  | .67438 | .80955 | 3.0584 | 16.846 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00901 | -.00258 | 32.912 | -.00003 | .09404 | 7.3361 | .00697 | .10687 |
| #2 | .00928 | -.00417 | 32.977 | -.00042 | .09377 | 7.3843 | .00727 | .09052 |
| #3 | .00906 | -.00199 | 32.955 | -.00080 | .09283 | 7.4550 | .00686 | .12688 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9099 | 6.1333 | -.00338 | .01151 | .00600 | .0198  | .19236 | 1.4679 |
| Stddev | .0330  | .0662  | .00103  | .00092 | .00068 | .0004  | .00009 | .3459  |
| %RSD   | .67220 | 1.0788 | 30.438  | 8.0086 | 11.313 | 1.993  | .04859 | 23.564 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 4.9278 | 6.1948 | -.00237 | .01048 | .00570 | .0193 | .19241 | 1.5848 |
| #2 | 4.9301 | 6.1417 | -.00334 | .01183 | .00677 | .0200 | .19241 | 1.0787 |
| #3 | 4.8719 | 6.0633 | -.00443 | .01224 | .00552 | .0200 | .19225 | 1.7403 |



Sample Name: K2103-15      Acquired: 3/28/2019 20:01:36      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C05-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.0271 |
| Stddev | .4581  |
| %RSD   | 11.376 |

|    |        |
|----|--------|
| #1 | 3.5131 |
| #2 | 4.3926 |
| #3 | 4.1755 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3450.2 | 39443. | 3309.2 | 46.201 | 3871.2 |
| Stddev    | 5.3    | 139.   | 32.0   | 1.465  | 10.8   |
| %RSD      | .15495 | .35262 | .96822 | 3.1710 | .27826 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3450.2 | 39587. | 3278.9 | 46.689 | 3871.8 |
| #2 | 3444.8 | 39309. | 3305.9 | 44.554 | 3860.2 |
| #3 | 3455.5 | 39432. | 3342.7 | 47.360 | 3881.7 |

Sample Name: K2103-16      Acquired: 3/28/2019 20:05:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |        |        |
|--------|---------|---------|---------|---------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00234  | .00181  | .00104  | .00178  | -.00338 | -.03919 | .17048 | .00011 |
| Stddev | .00191  | .00006  | .00101  | .00227  | .00117  | .00682  | .00094 | .00007 |
| %RSD   | 81.280  | 3.4007  | 97.178  | 127.37  | 34.549  | 17.405  | .54851 | 61.868 |
| #1     | .00051  | .00184  | -.00005 | -.00059 | -.00246 | -.03339 | .17146 | .00004 |
| #2     | .00221  | .00186  | .00195  | .00394  | -.00299 | -.04671 | .16959 | .00011 |
| #3     | .00431  | .00174  | .00122  | .00201  | -.00469 | -.03749 | .17038 | .00018 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00001 | 49.087  | .01252  | .00261  | .00007  | .04662  | .44512 | 15.593 |
| Stddev | .00006  | .327    | .00027  | .00013  | .00025  | .00087  | .00108 | .071   |
| %RSD   | 529.60  | .66679  | 2.1615  | 5.0897  | 357.40  | 1.8621  | .24287 | .45337 |
| #1     | .00005  | 49.035  | .01266  | .00250  | -.00022 | .04588  | .44489 | 15.567 |
| #2     | -.00007 | 49.437  | .01221  | .00258  | .00020  | .04641  | .44417 | 15.538 |
| #3     | -.00001 | 48.789  | .01269  | .00276  | .00022  | .04758  | .44630 | 15.673 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01271  | -.00302 | 46.119  | -.00003 | .12403  | 6.0575  | .00577 | .10855 |
| Stddev | .00069  | .00036  | .058    | .00026  | .00041  | .0315   | .00021 | .00890 |
| %RSD   | 5.4371  | 11.872  | .12550  | 765.11  | .33188  | .52009  | 3.6065 | 8.2020 |
| #1     | .01346  | -.00324 | 46.170  | -.00031 | .12446  | 6.0300  | .00597 | .11447 |
| #2     | .01256  | -.00322 | 46.056  | .00022  | .12364  | 6.0506  | .00579 | .09831 |
| #3     | .01210  | -.00261 | 46.131  | -.00001 | .12399  | 6.0918  | .00555 | .11287 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | 8.3608  | 5.6860  | -.00496 | .01247  | .01707  | .0124   | .22511 | .97308 |
| Stddev | .0129   | .0456   | .00069  | .00241  | .00297  | .0002   | .00253 | .36611 |
| %RSD   | .15447  | .80118  | 13.980  | 19.315  | 17.402  | 1.648   | 1.1246 | 37.624 |
| #1     | 8.3753  | 5.6880  | -.00501 | .01012  | .02013  | .0122   | .22749 | 1.1740 |
| #2     | 8.3505  | 5.7305  | -.00425 | .01236  | .01420  | .0123   | .22540 | 1.1947 |
| #3     | 8.3566  | 5.6394  | -.00563 | .01494  | .01686  | .0126   | .22245 | .55050 |

Sample Name: K2103-16      Acquired: 3/28/2019 20:05:59      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.9976  
 Stddev      .4216  
 %RSD      10.546

#1      4.0454  
 #2      4.3932  
 #3      3.5541

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3433.6 | 39276. | 3314.8 | 47.328 | 3867.9 |
| Stddev    | 6.2    | 53.    | 26.9   | .557   | 2.1    |
| %RSD      | .17996 | .13443 | .81206 | 1.1761 | .05419 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3426.9 | 39223. | 3308.2 | 47.943 | 3868.0 |
| #2 | 3439.2 | 39328. | 3291.9 | 46.859 | 3869.9 |
| #3 | 3434.6 | 39277. | 3344.5 | 47.181 | 3865.8 |

Sample Name: K2103-17      Acquired: 3/28/2019 20:10:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00225 | .00166 | .00361 | .00570 | -.00227 | -.01342 | .30392 | .00008 |
| Stddev | .00083 | .00132 | .00081 | .00417 | .00183  | .00289  | .00376 | .00004 |
| %RSD   | 36.714 | 79.605 | 22.329 | 73.082 | 80.554  | 21.555  | 1.2376 | 47.526 |

|    |        |        |        |        |         |         |        |        |
|----|--------|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00151 | .00068 | .00417 | .00315 | -.00345 | -.01395 | .29958 | .00008 |
| #2 | .00314 | .00316 | .00398 | .00345 | -.00016 | -.01030 | .30596 | .00012 |
| #3 | .00210 | .00113 | .00269 | .01051 | -.00319 | -.01601 | .30621 | .00004 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | 48.389 | .00272 | .00209 | .02429 | .01824 | .42598 | 15.268 |
| Stddev | .00003 | .136   | .00042 | .00015 | .00028 | .00073 | .00139 | .271   |
| %RSD   | 32.630 | .28170 | 15.421 | 7.2272 | 1.1565 | 3.9927 | .32555 | 1.7722 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00014 | 48.241 | .00319 | .00226 | .02409 | .01805 | .42489 | 15.004 |
| #2 | .00008 | 48.418 | .00240 | .00201 | .02417 | .01763 | .42754 | 15.256 |
| #3 | .00009 | 48.509 | .00256 | .00199 | .02461 | .01905 | .42550 | 15.544 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00934 | -.00277 | 46.356 | -.00050 | .14251 | 5.8335 | .00576 | .09442 |
| Stddev | .00026 | .00042  | .289   | .00029  | .00058 | .0594  | .00028 | .00938 |
| %RSD   | 2.8245 | 15.046  | .62309 | 57.468  | .40884 | 1.0184 | 4.9045 | 9.9374 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00912 | -.00280 | 46.152 | -.00083 | .14318 | 5.7662 | .00550 | .09393 |
| #2 | .00963 | -.00316 | 46.228 | -.00030 | .14209 | 5.8557 | .00573 | .10404 |
| #3 | .00926 | -.00233 | 46.686 | -.00037 | .14226 | 5.8787 | .00606 | .08529 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.4053 | 5.6918 | -.00564 | .00974 | .01684 | .0133  | .22288 | 1.8339 |
| Stddev | .0301  | .0456  | .00152  | .00075 | .00088 | .0006  | .00127 | .6947  |
| %RSD   | .35792 | .80194 | 26.959  | 7.7049 | 5.2220 | 4.134  | .57034 | 37.879 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 8.4225 | 5.7399 | -.00602 | .01019 | .01707 | .0135 | .22385 | 2.1984 |
| #2 | 8.4228 | 5.6863 | -.00396 | .01016 | .01759 | .0138 | .22335 | 1.0328 |
| #3 | 8.3705 | 5.6491 | -.00693 | .00888 | .01587 | .0127 | .22144 | 2.2704 |

Sample Name: K2103-17      Acquired: 3/28/2019 20:10:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MH-C02-SETTL Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.2833 |
| Stddev | 1.6054 |
| %RSD   | 37.481 |

|    |        |
|----|--------|
| #1 | 2.5064 |
| #2 | 5.6293 |
| #3 | 4.7143 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3386.0 | 38924. | 3265.7 | 45.841 | 3839.9 |
| Stddev    | 5.0    | 53.    | 22.1   | .311   | 13.4   |
| %RSD      | .14843 | .13570 | .67674 | .67793 | .34979 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3381.6 | 38975. | 3249.0 | 45.598 | 3825.4 |
| #2 | 3384.8 | 38869. | 3257.4 | 46.191 | 3842.4 |
| #3 | 3391.5 | 38927. | 3290.8 | 45.735 | 3851.9 |

Sample Name: K2090-02      Acquired: 3/28/2019 20:14:44      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .35900 | .01094 | 18.760 | .12914 | .04907 | 159.91 | 9.5610 |
| Stddev | .00725 | .00295 | .039   | .00421 | .00125 | 1.00   | .1061  |
| %RSD   | 2.0201 | 26.923 | .20579 | 3.2629 | 2.5513 | .62395 | 1.1095 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .35785 | .01398 | 18.785 | .12450 | .04804 | 160.99 | 9.6781 |
| #2 | .35239 | .01077 | 18.716 | .13273 | .04872 | 159.72 | 9.5336 |
| #3 | .36675 | .00809 | 18.780 | .13019 | .05047 | 159.02 | 9.4713 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.02510 | .05492 | 106.85 | .40555 | .19493 | 35.708 | 421.43 |
| Stddev | .00048  | .00055 | .42    | .00176 | .00028 | .020   | 2.26   |
| %RSD   | 1.9254  | .99781 | .39544 | .43377 | .14482 | .05653 | .53615 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.02561 | .05547 | 106.67 | .40493 | .19479 | 35.693 | 418.82 |
| #2 | -.02507 | .05437 | 107.33 | .40418 | .19475 | 35.699 | 422.70 |
| #3 | -.02464 | .05490 | 106.55 | .40753 | .19526 | 35.731 | 422.77 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.6216 | 25.368 | .42368 | -.03250 | 5.9410 | .44395 | 21.735 |
| Stddev | .0239  | .316   | .00252 | .00039  | .0713  | .00271 | .042   |
| %RSD   | .36133 | 1.2449 | .59516 | 1.2148  | 1.2000 | .61154 | .19412 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.6481 | 25.732 | .42564 | -.03214 | 6.0233 | .44546 | 21.776 |
| #2 | 6.6015 | 25.204 | .42083 | -.03292 | 5.9015 | .44557 | 21.692 |
| #3 | 6.6153 | 25.168 | .42455 | -.03246 | 5.8983 | .44081 | 21.738 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.226 | .02850 | -.08687 | 9.8393 | 2.3397 | 3.0285 | 1.6883 |
| Stddev | .103   | .00040 | .02217  | .0264  | .0222  | .0068  | .0057  |
| %RSD   | .83877 | 1.3963 | 25.525  | .26850 | .95005 | .22541 | .34059 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 12.344 | .02886 | -.09448 | 9.8696 | 2.3145 | 3.0321 | 1.6942 |
| #2 | 12.157 | .02808 | -.06189 | 9.8210 | 2.3564 | 3.0207 | 1.6879 |
| #3 | 12.176 | .02856 | -.10424 | 9.8273 | 2.3484 | 3.0328 | 1.6827 |

Sample Name: K2090-02      Acquired: 3/28/2019 20:14:44      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .22219 | F 18.39 | .32537 | <.00000 | F<.00000 |
| Stddev    | .00250 | .04     | .00469 | .21051  | 1.8887   |
| %RSD      | 1.1250 | .2145   | 1.4414 | 1.6878  | .14948   |
| #1        | .22073 | 18.42   | .32990 | -12.287 | -1264.3  |
| #2        | .22077 | 18.35   | .32568 | -12.701 | -1261.4  |
| #3        | .22508 | 18.41   | .32053 | -12.429 | -1264.9  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3311.1 | 39745.  | 3445.8 | 41.547  | 3318.0   |
| Stddev    | 2.9    | 106.    | 24.6   | .844    | 3.5      |
| %RSD      | .08652 | .26730  | .71459 | 2.0312  | .10625   |
| #1        | 3311.2 | 39626.  | 3474.1 | 41.642  | 3314.0   |
| #2        | 3308.2 | 39831.  | 3429.2 | 42.340  | 3319.6   |
| #3        | 3313.9 | 39779.  | 3434.1 | 40.660  | 3320.5   |

Sample Name: K2097-01      Acquired: 3/28/2019 20:19:17      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |        |        |         |         |
|--------|----------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.7589   | .01744  | 10.487 | .16334 | .05676 | 41.232 | 1.6646  | -.03488 |
| Stddev | .0148    | .00148  | .013   | .00386 | .00250 | .819   | .0273   | .00036  |
| %RSD   | .84322   | 8.5067  | .12411 | 2.3606 | 4.4107 | 1.9854 | 1.6382  | 1.0438  |
| #1     | 1.7540   | .01800  | 10.480 | .16530 | .05406 | 40.303 | 1.6351  | -.03448 |
| #2     | 1.7755   | .01857  | 10.502 | .16582 | .05900 | 41.544 | 1.6698  | -.03519 |
| #3     | 1.7471   | .01576  | 10.480 | .15890 | .05723 | 41.849 | 1.6888  | -.03499 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .02475   | 11.284  | .35741 | .15441 | 4.9947 | 520.64 | 4.3082  | 9.6549  |
| Stddev | .00080   | .529    | .00104 | .00020 | .0037  | 2.65   | .0043   | .1828   |
| %RSD   | 3.2229   | 4.6837  | .29227 | .13196 | .07416 | .50901 | .09873  | 1.8933  |
| #1     | .02501   | 10.694  | .35854 | .15426 | 4.9944 | 517.71 | 4.3039  | 9.4607  |
| #2     | .02539   | 11.715  | .35648 | .15464 | 4.9985 | 521.33 | 4.3124  | 9.6803  |
| #3     | .02386   | 11.444  | .35720 | .15433 | 4.9911 | 522.87 | 4.3082  | 9.8236  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .32571   | -.07092 | 2.0878 | .96004 | 1.5866 | 5.2337 | .25363  | -.33527 |
| Stddev | .00086   | .00079  | .0157  | .00249 | .0027  | .1283  | .00092  | .03578  |
| %RSD   | .26334   | 1.1175  | .75279 | .25928 | .16890 | 2.4524 | .36295  | 10.672  |
| #1     | .32630   | -.07125 | 2.0861 | .96210 | 1.5868 | 5.0901 | .25275  | -.29462 |
| #2     | .32472   | -.07149 | 2.0729 | .95727 | 1.5892 | 5.2737 | .25458  | -.34922 |
| #3     | .32610   | -.07001 | 2.1042 | .96074 | 1.5839 | 5.3373 | .25357  | -.36197 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | F 17.195 | 1.3103  | .65545 | 2.2769 | .03470 | 7.433  | -.23672 | <.00000 |
| Stddev | .051     | .0486   | .00044 | .1049  | .00159 | .026   | .01244  | .23335  |
| %RSD   | .29599   | 3.7061  | .06691 | 4.6059 | 4.5853 | .3460  | 5.2570  | .91072  |
| #1     | 17.146   | 1.2690  | .65524 | 2.1584 | .03290 | 7.404  | -.24966 | -25.651 |
| #2     | 17.248   | 1.3638  | .65596 | 2.3576 | .03525 | 7.446  | -.22484 | -25.841 |
| #3     | 17.190   | 1.2979  | .65516 | 2.3147 | .03594 | 7.450  | -.23567 | -25.377 |



Sample Name: K2097-01      Acquired: 3/28/2019 20:19:17      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      ^ \*\*\*\*\*  
Stddev      -----  
%RSD      -----

#1      -1771.8  
#2      -1755.8  
#3      ^ -----

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3575.9 | 41180. | 3588.8 | 45.682 | 3609.3 |
| Stddev    | 1.1    | 192.   | 128.2  | 2.583  | 4.6    |
| %RSD      | .03158 | .46684 | 3.5725 | 5.6534 | .12844 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3577.0 | 41383. | 3714.7 | 48.426 | 3614.5 |
| #2 | 3574.7 | 41156. | 3458.4 | 43.298 | 3607.8 |
| #3 | 3576.1 | 41001. | 3593.1 | 45.321 | 3605.6 |

Sample Name: K2097-02      Acquired: 3/28/2019 20:23:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |        |        |        |        |        |         |
|--------|----------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .90084   | .01393  | 5.1076 | .14814 | .09481 | 71.331 | 1.2216 | -.03640 |
| Stddev | .00234   | .00047  | .0123  | .00182 | .00180 | .382   | .0020  | .00056  |
| %RSD   | .25957   | 3.3715  | .24122 | 1.2311 | 1.8938 | .53521 | .16227 | 1.5474  |
| #1     | .89816   | .01406  | 5.1141 | .14842 | .09484 | 70.890 | 1.2197 | -.03677 |
| #2     | .90193   | .01432  | 5.1153 | .14980 | .09660 | 71.546 | 1.2236 | -.03669 |
| #3     | .90244   | .01341  | 5.0934 | .14619 | .09301 | 71.557 | 1.2216 | -.03575 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .03554   | 32.742  | .47527 | .13448 | 6.9593 | 586.89 | 4.8263 | 8.8899  |
| Stddev | .00031   | .398    | .00347 | .00054 | .0129  | .53    | .0119  | .1647   |
| %RSD   | .87352   | 1.2168  | .73002 | .40246 | .18457 | .09038 | .24584 | 1.8525  |
| #1     | .03524   | 32.570  | .47126 | .13413 | 6.9625 | 586.51 | 4.8127 | 8.7525  |
| #2     | .03553   | 33.198  | .47722 | .13511 | 6.9703 | 587.50 | 4.8315 | 9.0725  |
| #3     | .03586   | 32.458  | .47732 | .13421 | 6.9452 | 586.67 | 4.8346 | 8.8447  |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .38868   | -.09322 | 2.3721 | .72945 | 1.9863 | 3.7079 | .18455 | -.46888 |
| Stddev | .00375   | .00112  | .0166  | .00398 | .0028  | .0610  | .00034 | .03060  |
| %RSD   | .96544   | 1.2021  | .70006 | .54537 | .14189 | 1.6454 | .18246 | 6.5265  |
| #1     | .38510   | -.09196 | 2.3644 | .72509 | 1.9887 | 3.6683 | .18417 | -.44125 |
| #2     | .39258   | -.09412 | 2.3912 | .73039 | 1.9871 | 3.6773 | .18469 | -.50177 |
| #3     | .38837   | -.09356 | 2.3607 | .73288 | 1.9832 | 3.7782 | .18480 | -.46363 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | F 13.052 | 2.3944  | .63787 | 3.0276 | .05191 | 7.783  | .04680 | <.00000 |
| Stddev | .038     | .0228   | .00287 | .0256  | .00266 | .030   | .00672 | .29491  |
| %RSD   | .29463   | .95190  | .45007 | .84624 | 5.1287 | .3820  | 14.357 | 1.1026  |
| #1     | 13.039   | 2.3980  | .63472 | 3.0099 | .04886 | 7.772  | .04708 | -26.830 |
| #2     | 13.096   | 2.4151  | .64035 | 3.0570 | .05377 | 7.816  | .05337 | -26.992 |
| #3     | 13.022   | 2.3700  | .63855 | 3.0159 | .05311 | 7.760  | .03994 | -26.420 |

Sample Name: K2097-02      Acquired: 3/28/2019 20:23:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      ^ \*\*\*\*\*  
Stddev      -----  
%RSD      -----

#1      ^ -----  
#2      -2140.7  
#3      ^ -----

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3438.8 | 39592. | 3417.3 | 42.156 | 3364.9 |
| Stddev    | 7.8    | 103.   | 38.2   | .725   | 6.5    |
| %RSD      | .22592 | .26121 | 1.1172 | 1.7205 | .19449 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3432.2 | 39654. | 3414.2 | 42.924 | 3357.7 |
| #2 | 3436.7 | 39472. | 3380.8 | 42.058 | 3366.6 |
| #3 | 3447.3 | 39649. | 3457.0 | 41.484 | 3370.5 |

Sample Name: K2097-03      Acquired: 3/28/2019 20:27:43      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-22      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2525 | .00608 | .82124 | .10085 | .00444 | 46.289 | .71193 |
| Stddev | .0069  | .00060 | .00233 | .00143 | .00137 | .468   | .00604 |
| %RSD   | .55064 | 9.8416 | .28412 | 1.4200 | 30.799 | 1.0114 | .84884 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2604 | .00569 | .82392 | .10242 | .00495 | 45.931 | .70943 |
| #2 | 1.2476 | .00579 | .81969 | .10053 | .00289 | 46.819 | .71882 |
| #3 | 1.2495 | .00677 | .82011 | .09961 | .00549 | 46.117 | .70754 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01409 | -.00140 | 60.310 | .13754 | .05581 | 1.6946 | 215.96 |
| Stddev | .00007  | .00002  | .372   | .00111 | .00008 | .0014  | 1.25   |
| %RSD   | .50850  | 1.4283  | .61632 | .81049 | .13676 | .08346 | .57823 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.01404 | -.00140 | 60.408 | .13883 | .05586 | 1.6930 | 217.08 |
| #2 | -.01417 | -.00142 | 60.623 | .13683 | .05572 | 1.6956 | 216.20 |
| #3 | -.01407 | -.00138 | 59.899 | .13698 | .05584 | 1.6953 | 214.61 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.4602 | 7.3513 | .14265 | -.01894 | 2.4470 | .28430 | .84210 |
| Stddev | .0022  | .0767  | .00133 | .00021  | .0289  | .00070 | .00177 |
| %RSD   | .15059 | 1.0428 | .93411 | 1.1350  | 1.1802 | .24613 | .20988 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.4614 | 7.2729 | .14273 | -.01919 | 2.4302 | .28365 | .84006 |
| #2 | 1.4615 | 7.4261 | .14129 | -.01879 | 2.4804 | .28421 | .84306 |
| #3 | 1.4577 | 7.3549 | .14395 | -.01884 | 2.4305 | .28504 | .84318 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.2495 | .04557 | .03538 | 4.9323 | 2.4678 | .05626 | 2.2429 |
| Stddev | .0204  | .00052 | .02671 | .0246  | .0165  | .00172 | .0059  |
| %RSD   | .47930 | 1.1403 | 75.477 | .49894 | .66682 | 3.0560 | .26325 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2270 | .04613 | .02720 | 4.9549 | 2.4856 | .05741 | 2.2366 |
| #2 | 4.2546 | .04510 | .01373 | 4.9061 | 2.4532 | .05428 | 2.2483 |
| #3 | 4.2668 | .04548 | .06523 | 4.9359 | 2.4647 | .05708 | 2.2439 |

Sample Name: K2097-03      Acquired: 3/28/2019 20:27:43      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-22      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .06544 | 2.361  | .14419 | <.00000 | F<.00000 |
| Stddev    | .00179 | .015   | .00145 | .48054  | 1.9578   |
| %RSD      | 2.7354 | .6415  | 1.0048 | 11.032  | .45093   |
| #1        | .06370 | 2.374  | .14406 | -3.9081 | -432.42  |
| #2        | .06727 | 2.345  | .14571 | -4.8635 | -436.29  |
| #3        | .06536 | 2.364  | .14282 | -4.2956 | -433.81  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3524.7 | 40244. | 3392.3 | 45.201  | 3706.4   |
| Stddev    | 3.5    | 196.   | 17.4   | .684    | .8       |
| %RSD      | .09863 | .48768 | .51335 | 1.5132  | .02216   |
| #1        | 3528.5 | 40120. | 3374.5 | 45.544  | 3706.2   |
| #2        | 3521.7 | 40142. | 3392.9 | 44.414  | 3705.7   |
| #3        | 3523.9 | 40470. | 3409.4 | 45.647  | 3707.3   |

Sample Name: K2097-04      Acquired: 3/28/2019 20:32:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-19      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .90846 | -.00140 | 6.3699 | .10017 | .01101 | 87.502 | 1.2740 | -.02767 |
| Stddev | .00402 | .00198  | .0427  | .00554 | .00068 | .427   | .0040  | .00027  |
| %RSD   | .44214 | 140.73  | .66995 | 5.5294 | 6.1700 | .48758 | .31007 | .98773  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .91230 | .00035  | 6.3265 | .10507 | .01025 | 87.010 | 1.2694 | -.02786 |
| #2 | .90879 | -.00354 | 6.3714 | .09416 | .01120 | 87.763 | 1.2766 | -.02779 |
| #3 | .90429 | -.00102 | 6.4118 | .10126 | .01157 | 87.733 | 1.2759 | -.02736 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03896 | 248.20 | .43730 | .23251 | 4.9774 | 446.86 | 5.9696 | 195.16 |
| Stddev | .00048 | 2.33   | .00222 | .00126 | .0087  | .59    | .0081  | .94    |
| %RSD   | 1.2446 | .94040 | .50741 | .54111 | .17443 | .13274 | .13525 | .48135 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03854 | 247.58 | .43830 | .23188 | 4.9677 | 447.51 | 5.9703 | 194.14 |
| #2 | .03885 | 246.23 | .43885 | .23170 | 4.9843 | 446.73 | 5.9772 | 195.98 |
| #3 | .03949 | 250.78 | .43476 | .23396 | 4.9802 | 446.34 | 5.9612 | 195.37 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.2311 | -.07562 | 2.9190 | .71547 | 2.0857 | 12.605 | .05286 | -.16133 |
| Stddev | .0022  | .00060  | .0030  | .00199 | .0140  | .073   | .00086 | .03169  |
| %RSD   | .17822 | .79593  | .10136 | .27780 | .66882 | .58180 | 1.6286 | 19.641  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | 1.2322 | -.07493 | 2.9159 | .71594 | 2.0709 | 12.521 | .05299 | -.15778 |
| #2 | 1.2325 | -.07606 | 2.9218 | .71328 | 2.0877 | 12.657 | .05194 | -.13157 |
| #3 | 1.2286 | -.07587 | 2.9193 | .71717 | 2.0986 | 12.636 | .05365 | -.19464 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 8.7301 | 1.7897 | .30516 | 4.1811 | .17593 | 9.689  | -.04150 | <.00000 |
| Stddev | .0205  | .0270  | .00088 | .0108  | .00250 | .028   | .00367  | .55240  |
| %RSD   | .23453 | 1.5070 | .28793 | .25922 | 1.4194 | .2907  | 8.8365  | 2.6934  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 8.7121 | 1.8006 | .30552 | 4.1745 | .17398 | 9.679 | -.04085 | -20.264 |
| #2 | 8.7259 | 1.7590 | .30416 | 4.1751 | .17508 | 9.668 | -.04544 | -20.122 |
| #3 | 8.7524 | 1.8095 | .30580 | 4.1936 | .17875 | 9.721 | -.03819 | -21.142 |

Sample Name: K2097-04      Acquired: 3/28/2019 20:32:01      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-19      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      ^ \*\*\*\*\*  
 Stddev      -----  
 %RSD      -----

#1      ^ -----  
 #2      -1672.9  
 #3      ^ -----

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3650.4 | 43013. | 3743.5 | 41.406 | 3129.7 |
| Stddev    | 4.8    | 69.    | 31.5   | 1.219  | 13.4   |
| %RSD      | .13039 | .15932 | .84028 | 2.9445 | .42931 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3646.5 | 42979. | 3731.6 | 40.135 | 3143.1 |
| #2 | 3648.9 | 42967. | 3779.1 | 42.566 | 3129.8 |
| #3 | 3655.7 | 43092. | 3719.7 | 41.517 | 3116.2 |

Sample Name: CCV08      Acquired: 3/28/2019 20:36:26      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118301BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0935 | 5.0203 | 4.9893 | 5.0631 | 5.1117 | 10.309 | 10.336 | .25682   |
| Stddev | .0140  | .0077  | .0086  | .0162  | .0091  | .092   | .051   | .00019   |
| %RSD   | .27439 | .15423 | .17347 | .31947 | .17878 | .89105 | .49260 | .07312   |
| #1     | 5.1062 | 5.0269 | 4.9992 | 5.0805 | 5.1175 | 10.223 | 10.278 | .25660   |
| #2     | 5.0957 | 5.0117 | 4.9836 | 5.0605 | 5.1165 | 10.300 | 10.359 | .25696   |
| #3     | 5.0785 | 5.0222 | 4.9849 | 5.0485 | 5.1012 | 10.406 | 10.372 | .25689   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4863 | 24.648 | .98808 | 2.5076 | 1.2896 | 4.9036 | 2.5468 | 24.608   |
| Stddev | .0054  | .048   | .00122 | .0069  | .0041  | .0121  | .0033  | .144     |
| %RSD   | .21758 | .19316 | .12303 | .27496 | .31725 | .24688 | .12986 | .58331   |
| #1     | 2.4925 | 24.594 | .98918 | 2.5155 | 1.2927 | 4.9080 | 2.5432 | 24.447   |
| #2     | 2.4840 | 24.683 | .98829 | 2.5043 | 1.2911 | 4.9129 | 2.5496 | 24.656   |
| #3     | 2.4824 | 24.669 | .98677 | 2.5030 | 1.2850 | 4.8900 | 2.5476 | 24.721   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5308 | 1.2329 | 24.379 | 2.5270 | 2.5315 | 25.903 | 5.0628 | 5.2005   |
| Stddev | .0063  | .0018  | .107   | .0029  | .0083  | .150   | .0095  | .0324    |
| %RSD   | .24883 | .14766 | .43954 | .11259 | .32842 | .57726 | .18872 | .62218   |
| #1     | 2.5381 | 1.2350 | 24.286 | 2.5239 | 2.5411 | 25.754 | 5.0712 | 5.1696   |
| #2     | 2.5269 | 1.2315 | 24.356 | 2.5296 | 2.5267 | 25.903 | 5.0647 | 5.2341   |
| #3     | 2.5274 | 1.2322 | 24.496 | 2.5275 | 2.5268 | 26.053 | 5.0524 | 5.1978   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0733 | 5.1079 | 4.9181 | 5.0344 | 4.9458 | 4.949  | 5.1320 | F 3.9167 |
| Stddev | .0237  | .0297  | .0148  | .0093  | .0096  | .013   | .0124  | .2711    |
| %RSD   | .46784 | .58106 | .30058 | .18549 | .19472 | .2546  | .24250 | 6.9214   |
| #1     | 5.0976 | 5.1302 | 4.9349 | 5.0236 | 4.9390 | 4.957  | 5.1316 | 3.9743   |
| #2     | 5.0502 | 5.0742 | 4.9070 | 5.0392 | 4.9415 | 4.935  | 5.1197 | 4.1544   |
| #3     | 5.0721 | 5.1193 | 4.9125 | 5.0403 | 4.9568 | 4.956  | 5.1446 | 3.6215   |



Sample Name: CCV08      Acquired: 3/28/2019 20:36:26      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB118301BS      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.5285 |
| Stddev | .7659    |
| %RSD   | 30.289   |

|    |        |
|----|--------|
| #1 | 2.2752 |
| #2 | 1.9214 |
| #3 | 3.3889 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3292.6 | 37328. | 3106.4 | 41.143 | 3527.5 |
| Stddev    | 14.2   | 4.     | 10.1   | .250   | 17.9   |
| %RSD      | .43200 | .01026 | .32649 | .60792 | .50779 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3279.6 | 37331. | 3094.7 | 41.084 | 3507.9 |
| #2 | 3290.3 | 37330. | 3113.2 | 40.927 | 3531.6 |
| #3 | 3307.8 | 37324. | 3111.2 | 41.417 | 3543.0 |

Sample Name: CCB08      Acquired: 3/28/2019 20:40:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |          |         |         |         |          |
|--------|---------|---------|----------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00136  | .00140  | -.00216  | .00394   | -.00150 | -.01646 | -.00166 | .00003   |
| Stddev | .00227  | .00028  | .00053   | .00390   | .00024  | .01752  | .00136  | .00004   |
| %RSD   | 166.34  | 19.753  | 24.783   | 98.915   | 15.978  | 106.46  | 81.394  | 115.11   |
| #1     | -.00006 | .00131  | -.00271  | .00157   | -.00123 | -.02317 | -.00308 | -.00001  |
| #2     | .00017  | .00171  | -.00211  | .00845   | -.00167 | -.02964 | -.00153 | .00004   |
| #3     | .00398  | .00118  | -.00165  | .00181   | -.00161 | .00343  | -.00038 | .00007   |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00015 | -.02512 | .00107   | .00009   | -.00086 | .00223  | .00024  | -.04321  |
| Stddev | .00004  | .00986  | .00029   | .00009   | .00019  | .00040  | .00009  | .02622   |
| %RSD   | 27.843  | 39.268  | 26.776   | 102.08   | 22.105  | 17.913  | 37.631  | 60.672   |
| #1     | -.00013 | -.01910 | .00121   | .00018   | -.00106 | .00266  | .00017  | -.07323  |
| #2     | -.00012 | -.03650 | .00074   | -.00000  | -.00068 | .00187  | .00021  | -.02486  |
| #3     | -.00020 | -.01975 | .00125   | .00010   | -.00083 | .00217  | .00034  | -.03153  |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00116  | -.00115 | F .67923 | .00008   | .00147  | .18752  | -.00025 | .02127   |
| Stddev | .00025  | .00063  | .01690   | .00015   | .00022  | .03431  | .00021  | .01904   |
| %RSD   | 21.584  | 54.518  | 2.4886   | 184.57   | 15.173  | 18.299  | 83.834  | 89.540   |
| #1     | .00098  | -.00156 | .67623   | .00020   | .00172  | .20343  | -.00049 | .04292   |
| #2     | .00106  | -.00147 | .66403   | -.00009  | .00141  | .21099  | -.00016 | .00712   |
| #3     | .00145  | -.00043 | .69744   | .00013   | .00129  | .14814  | -.00010 | .01377   |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00276  | .00580  | .00146   | F .01117 | .00489  | .0002   | -.00007 | F 1.3393 |
| Stddev | .00308  | .00115  | .00045   | .00314   | .00228  | .0000   | .00005  | .2194    |
| %RSD   | 111.53  | 19.828  | 30.792   | 28.147   | 46.682  | 15.29   | 79.067  | 16.379   |
| #1     | -.00077 | .00616  | .00121   | .00759   | .00338  | .0002   | -.00005 | 1.3447   |
| #2     | .00486  | .00672  | .00198   | .01348   | .00751  | .0002   | -.00002 | 1.5558   |
| #3     | .00420  | .00451  | .00119   | .01244   | .00377  | .0001   | -.00013 | 1.1172   |

Sample Name: CCB08      Acquired: 3/28/2019 20:40:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.9104 |
| Stddev | .1578    |
| %RSD   | 8.2625   |

|    |        |
|----|--------|
| #1 | 2.0809 |
| #2 | 1.7694 |
| #3 | 1.8808 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3445.7 | 38889. | 3158.1 | 44.653 | 3951.2 |
| Stddev    | 11.4   | 96.    | 20.0   | .553   | 17.3   |
| %RSD      | .33003 | .24694 | .63473 | 1.2391 | .43838 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3432.5 | 38909. | 3135.2 | 45.292 | 3931.5 |
| #2 | 3451.6 | 38785. | 3172.2 | 44.333 | 3964.2 |
| #3 | 3452.9 | 38974. | 3167.0 | 44.333 | 3957.9 |

Sample Name: K2097-05      Acquired: 3/28/2019 20:44:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-17      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .12221 | .00157 | .28497 | .06178 | .00617 | 64.304 | .78294 |
| Stddev | .00301 | .00094 | .00195 | .00233 | .00174 | .376   | .00735 |
| %RSD   | 2.4591 | 59.535 | .68286 | 3.7706 | 28.236 | .58479 | .93832 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12434 | .00177 | .28598 | .06132 | .00744 | 64.721 | .79102 |
| #2 | .12353 | .00239 | .28621 | .06430 | .00688 | 64.199 | .78113 |
| #3 | .11877 | .00055 | .28273 | .05971 | .00418 | 63.991 | .77667 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.02575 | .04766 | 1562.3 | .86062 | .16746 | 2.2215 | 404.27 |
| Stddev | .00026  | .00045 | 2.4    | .00511 | .00004 | .0062  | .78    |
| %RSD   | 1.0008  | .94786 | .15210 | .59422 | .02630 | .27835 | .19255 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.02604 | .04734 | 1559.6 | .85726 | .16743 | 2.2225 | 405.12 |
| #2 | -.02565 | .04748 | 1563.6 | .86650 | .16744 | 2.2149 | 403.59 |
| #3 | -.02556 | .04818 | 1563.7 | .85809 | .16751 | 2.2271 | 404.09 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.5542 | 935.87 | .55133 | -.09467 | 5.0421 | .36740 | 1.7793 |
| Stddev | .0205  | 4.87   | .00125 | .00162  | .0414  | .00085 | .0019  |
| %RSD   | .31239 | .52058 | .22735 | 1.7112  | .82116 | .23169 | .10780 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.5770 | 940.41 | .54992 | -.09362 | 5.0833 | .36791 | 1.7789 |
| #2 | 6.5480 | 936.47 | .55173 | -.09384 | 5.0425 | .36641 | 1.7776 |
| #3 | 6.5375 | 930.72 | .55233 | -.09653 | 5.0005 | .36786 | 1.7814 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.8826 | .17170 | .01747 | F 21.736 | 2.0823 | .09364 | 2.8714 |
| Stddev | .0592  | .00092 | .01970 | .108     | .0188  | .00120 | .0243  |
| %RSD   | .59940 | .53465 | 112.79 | .49767   | .90504 | 1.2862 | .84436 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 9.9445 | .17142 | -.00513 | 21.615 | 2.0873 | .09333 | 2.8797 |
| #2 | 9.8768 | .17095 | .03101  | 21.774 | 2.0615 | .09497 | 2.8905 |
| #3 | 9.8264 | .17272 | .02653  | 21.821 | 2.0981 | .09262 | 2.8442 |

Sample Name: K2097-05      Acquired: 3/28/2019 20:44:52      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CS-17      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .20195 | F 11.55 | .52615 | <.00000 | F<.00000 |
| Stddev    | .00202 | .06     | .00795 | .05771  | 14.416   |
| %RSD      | .99881 | .4865   | 1.5115 | .63733  | 1.0331   |
| #1        | .20239 | 11.49   | .53370 | -9.1013 | -1383.9  |
| #2        | .20370 | 11.56   | .52690 | -8.9900 | -1390.9  |
| #3        | .19974 | 11.60   | .51785 | -9.0720 | -1411.6  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3215.7 | 38919.  | 3565.5 | 36.487  | 2551.9   |
| Stddev    | 4.6    | 179.    | 19.3   | .386    | 3.8      |
| %RSD      | .14315 | .46054  | .54161 | 1.0572  | .15002   |
| #1        | 3214.5 | 38738.  | 3543.2 | 36.783  | 2556.3   |
| #2        | 3220.8 | 39097.  | 3577.8 | 36.051  | 2549.7   |
| #3        | 3211.9 | 38923.  | 3575.3 | 36.628  | 2549.8   |

Sample Name: K2097-06      Acquired: 3/28/2019 20:49:25      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-6      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .27550 | .02047 | .22685 | .02372 | .00222 | 10.087 | .18760 |
| Stddev | .00155 | .00029 | .00175 | .00207 | .00089 | .231   | .00347 |
| %RSD   | .56300 | 1.4024 | .77330 | 8.7127 | 40.037 | 2.2932 | 1.8504 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .27431 | .02055 | .22484 | .02175 | .00145 | 9.8968 | .18482 |
| #2 | .27725 | .02071 | .22809 | .02355 | .00319 | 10.344 | .19149 |
| #3 | .27493 | .02015 | .22761 | .02587 | .00203 | 10.020 | .18650 |

|        |         |        |          |        |        |        |        |
|--------|---------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00901 | .01154 | F 3806.6 | .11105 | .06659 | .56558 | 147.80 |
| Stddev | .00020  | .00026 | 13.8     | .00078 | .00071 | .00205 | 1.41   |
| %RSD   | 2.2149  | 2.2765 | .36281   | .70224 | 1.0590 | .36318 | .95094 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00914 | .01161 | 3813.0 | .11087 | .06741 | .56324 | 146.91 |
| #2 | -.00910 | .01125 | 3790.8 | .11037 | .06617 | .56708 | 149.42 |
| #3 | -.00878 | .01176 | 3816.1 | .11190 | .06620 | .56642 | 147.06 |

|        |        |          |        |         |        |        |        |
|--------|--------|----------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm      | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.2970 | F 2621.8 | .10936 | -.07287 | 5.7595 | .12406 | .36553 |
| Stddev | .0114  | 42.3     | .00047 | .00202  | .1217  | .00153 | .00082 |
| %RSD   | .34676 | 1.6131   | .42994 | 2.7744  | 2.1134 | 1.2357 | .22351 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.2861 | 2591.6 | .10894 | -.07184 | 5.6304 | .12393 | .36585 |
| #2 | 3.3089 | 2670.1 | .10926 | -.07519 | 5.8721 | .12260 | .36461 |
| #3 | 3.2959 | 2603.6 | .10987 | -.07156 | 5.7759 | .12565 | .36615 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 6.7008 | .03040 | .10237 | F 50.858 | 1.0600 | .00611 | .42636 |
| Stddev | .1410  | .00027 | .02175 | .129     | .0092  | .00190 | .00866 |
| %RSD   | 2.1045 | .89860 | 21.244 | .25362   | .87053 | 31.069 | 2.0304 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.5938 | .03072 | .12708 | 50.804 | 1.0596 | .00460 | .43630 |
| #2 | 6.8606 | .03025 | .09392 | 51.005 | 1.0510 | .00550 | .42229 |
| #3 | 6.6480 | .03024 | .08612 | 50.765 | 1.0694 | .00825 | .42048 |

Sample Name: K2097-06      Acquired: 3/28/2019 20:49:25      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CS-6      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .33145 | 4.358  | 1.7103 | ^ ***** | F<.00000 |
| Stddev    | .00228 | .015   | .0022  | -----   | 3.1670   |
| %RSD      | .68743 | .3321  | .13080 | -----   | 1.7234   |
| #1        | .33103 | 4.372  | 1.7092 | ^ ----- | -185.64  |
| #2        | .32941 | 4.359  | 1.7089 | ^ ----- | -180.11  |
| #3        | .33391 | 4.343  | 1.7129 | ^ ----- | -185.55  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 2508.1 | 30610. | 2873.6 | 33.077  | 2223.9   |
| Stddev    | 3.7    | 265.   | 15.3   | .837    | 5.0      |
| %RSD      | .14769 | .86529 | .53214 | 2.5292  | .22439   |
| #1        | 2510.1 | 30787. | 2871.2 | 33.765  | 2226.3   |
| #2        | 2503.8 | 30305. | 2889.9 | 33.320  | 2218.1   |
| #3        | 2510.4 | 30737. | 2859.6 | 32.145  | 2227.1   |

Sample Name: K2102-01      Acquired: 3/28/2019 20:53:55      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .08900 | .00406 | .03620 | .03458 | -.00145 | 23.305 | .12717 |
| Stddev | .00151 | .00096 | .00056 | .00155 | .00234  | .620   | .00346 |
| %RSD   | 1.6970 | 23.640 | 1.5394 | 4.4737 | 162.26  | 2.6593 | 2.7226 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .08884 | .00415 | .03681 | .03293 | .00080  | 22.616 | .12327 |
| #2 | .09059 | .00498 | .03572 | .03482 | -.00126 | 23.484 | .12836 |
| #3 | .08758 | .00306 | .03608 | .03599 | -.00388 | 23.816 | .12988 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00565 | -.00242 | 4.7605 | .16764 | .01464 | .17265 | 84.986 |
| Stddev | .00019  | .00019  | .1135  | .00453 | .00030 | .00036 | 1.947  |
| %RSD   | 3.2798  | 8.0102  | 2.3838 | 2.7011 | 2.0327 | .20684 | 2.2906 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00550 | -.00219 | 4.7032 | .16278 | .01492 | .17260 | 82.816 |
| #2 | -.00560 | -.00251 | 4.6871 | .17174 | .01467 | .17303 | 85.562 |
| #3 | -.00586 | -.00254 | 4.8912 | .16840 | .01432 | .17232 | 86.579 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .89881 | 2.6336 | .00701 | -.00710 | 1.3887 | .13474 | .06937 |
| Stddev | .02252 | .0489  | .00066 | .00061  | .0289  | .00352 | .00052 |
| %RSD   | 2.5051 | 1.8565 | 9.3941 | 8.5695  | 2.0794 | 2.6130 | .75346 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .87310 | 2.5792 | .00708 | -.00723 | 1.3594 | .13067 | .06968 |
| #2 | .91502 | 2.6738 | .00632 | -.00643 | 1.3896 | .13683 | .06965 |
| #3 | .90832 | 2.6479 | .00763 | -.00763 | 1.4172 | .13670 | .06876 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6234 | .00249 | .01642 | 1.0272 | 1.4661 | .00119 | .52910 |
| Stddev | .0202  | .00047 | .01200 | .0094  | .0137  | .00044 | .00856 |
| %RSD   | .76888 | 18.950 | 73.076 | .91369 | .93107 | 37.437 | 1.6182 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6003 | .00250 | .01213 | 1.0281 | 1.4512 | .00079 | .52198 |
| #2 | 2.6380 | .00296 | .02998 | 1.0361 | 1.4693 | .00167 | .52672 |
| #3 | 2.6317 | .00201 | .00716 | 1.0174 | 1.4779 | .00110 | .53860 |



Sample Name: K2102-01      Acquired: 3/28/2019 20:53:55      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .00687 | .8456  | -.05241 | <.00000 | F<.00000 |
| Stddev | .00115 | .0047  | .00154  | .71713  | 2.8593   |
| %RSD   | 16.808 | .5528  | 2.9467  | 25.506  | 2.3882   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00781 | .8406 | -.05063 | -3.5755 | -117.93 |
| #2 | .00558 | .8499 | -.05331 | -2.1529 | -118.22 |
| #3 | .00722 | .8463 | -.05330 | -2.7066 | -123.02 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3598.4 | 41532. | 3446.9 | 47.194 | 3832.9 |
| Stddev    | 9.6    | 767.   | 49.0   | .901   | 9.3    |
| %RSD      | .26772 | 1.8462 | 1.4228 | 1.9087 | .24196 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3609.5 | 42416. | 3454.0 | 46.517 | 3842.7 |
| #2 | 3593.2 | 41135. | 3492.0 | 48.217 | 3831.7 |
| #3 | 3592.5 | 41045. | 3394.7 | 46.850 | 3824.3 |

Sample Name: K2102-01DUP      Acquired: 3/28/2019 20:58:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .08891 | .00255 | .03291 | .03852 | -.00251 | 23.066 | .12513 |
| Stddev | .00264 | .00153 | .00089 | .00079 | .00193  | .086   | .00051 |
| %RSD   | 2.9717 | 59.831 | 2.7098 | 2.0577 | 77.095  | .37341 | .41003 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .08589 | .00249 | .03391 | .03942 | -.00109 | 22.977 | .12457 |
| #2 | .08999 | .00106 | .03219 | .03819 | -.00172 | 23.149 | .12558 |
| #3 | .09083 | .00411 | .03265 | .03794 | -.00471 | 23.072 | .12525 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00577 | -.00265 | 4.7856 | .17201 | .01404 | .16801 | 85.569 |
| Stddev | .00003  | .00005  | .0949  | .00202 | .00024 | .00052 | .301   |
| %RSD   | .54231  | 1.9496  | 1.9826 | 1.1755 | 1.6910 | .30835 | .35206 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00575 | -.00269 | 4.8811 | .17223 | .01403 | .16832 | 85.486 |
| #2 | -.00576 | -.00259 | 4.6914 | .16988 | .01380 | .16741 | 85.318 |
| #3 | -.00581 | -.00268 | 4.7844 | .17391 | .01428 | .16830 | 85.903 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .89828 | 2.6554 | .00703 | -.00716 | 1.3094 | .13514 | .06441 |
| Stddev | .00270 | .0510  | .00038 | .00084  | .0132  | .00116 | .00040 |
| %RSD   | .30061 | 1.9190 | 5.4398 | 11.740  | 1.0094 | .85924 | .62137 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .89785 | 2.6074 | .00726 | -.00747 | 1.3152 | .13531 | .06480 |
| #2 | .89582 | 2.7088 | .00725 | -.00621 | 1.3187 | .13391 | .06400 |
| #3 | .90117 | 2.6499 | .00659 | -.00781 | 1.2943 | .13621 | .06443 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 2.6372 | .00234 | .03174 | .99740 | 1.3217 | -.00011 | .53200 |
| Stddev | .0542  | .00009 | .00937 | .00198 | .0312  | .00073  | .00689 |
| %RSD   | 2.0543 | 3.9212 | 29.512 | .19900 | 2.3635 | 654.96  | 1.2957 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 2.5884 | .00224 | .04200 | .99966 | 1.3476 | .00036  | .53962 |
| #2 | 2.6279 | .00237 | .02364 | .99661 | 1.2870 | .00026  | .52621 |
| #3 | 2.6955 | .00242 | .02958 | .99593 | 1.3305 | -.00095 | .53015 |

Sample Name: K2102-01DUP      Acquired: 3/28/2019 20:58:24      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .00953 | .8212  | -.05251 | <.00000 | F<.00000 |
| Stddev | .00110 | .0043  | .00050  | .23378  | 1.6204   |
| %RSD   | 11.561 | .5292  | .96162  | 7.4205  | 1.3246   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .00830 | .8262 | -.05195 | -3.1946 | -120.52 |
| #2 | .01044 | .8184 | -.05292 | -2.8978 | -123.65 |
| #3 | .00983 | .8190 | -.05266 | -3.3590 | -122.82 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3676.7 | 41689. | 3413.2 | 46.717 | 3930.9 |
| Stddev    | 1.2    | 178.   | 57.4   | 1.024  | 3.6    |
| %RSD      | .03151 | .42696 | 1.6806 | 2.1915 | .09089 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3676.5 | 41758. | 3350.2 | 45.617 | 3927.6 |
| #2 | 3675.7 | 41822. | 3462.4 | 47.642 | 3930.3 |
| #3 | 3678.0 | 41486. | 3427.0 | 46.892 | 3934.7 |

Sample Name: K2102-01LX5      Acquired: 3/28/2019 21:02:52      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-4      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01909 | .00232 | .00522 | .00899 | -.00130 | 5.0318 | .02657 |
| Stddev | .00177 | .00067 | .00069 | .00240 | .00133  | .0667  | .00049 |
| %RSD   | 9.2827 | 29.046 | 13.268 | 26.687 | 102.11  | 1.3253 | 1.8280 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .01854 | .00298 | .00454 | .00914 | -.00012 | 5.0210 | .02625 |
| #2 | .01766 | .00163 | .00520 | .01131 | -.00273 | 5.1032 | .02713 |
| #3 | .02107 | .00235 | .00592 | .00652 | -.00104 | 4.9711 | .02633 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00139 | -.00089 | 1.0065 | .03822 | .00292 | .03554 | 19.446 |
| Stddev | .00003  | .00001  | .0246  | .00017 | .00001 | .00012 | .060   |
| %RSD   | 2.2650  | 1.1126  | 2.4471 | .45256 | .37915 | .33099 | .30794 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00141 | -.00090 | 1.0324 | .03803 | .00293 | .03564 | 19.392 |
| #2 | -.00141 | -.00090 | .98340 | .03826 | .00291 | .03541 | 19.510 |
| #3 | -.00135 | -.00088 | 1.0037 | .03837 | .00293 | .03558 | 19.436 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .20152 | .48576 | .00161 | -.00275 | .57620 | .02914 | .01409 |
| Stddev | .00121 | .07939 | .00020 | .00078  | .00790 | .00015 | .00017 |
| %RSD   | .60152 | 16.344 | 12.548 | 28.455  | 1.3705 | .51557 | 1.1977 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .20068 | .57126 | .00166 | -.00230 | .56817 | .02923 | .01427 |
| #2 | .20291 | .41436 | .00179 | -.00229 | .58396 | .02922 | .01394 |
| #3 | .20097 | .47166 | .00139 | -.00365 | .57646 | .02896 | .01405 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .64662 | .00020 | .02374 | .21314 | .35279 | -.00099 | .12466 |
| Stddev | .02624 | .00030 | .01378 | .00286 | .00880 | .00031  | .00600 |
| %RSD   | 4.0581 | 151.74 | 58.054 | 1.3408 | 2.4942 | 31.256  | 4.8159 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .66028 | .00023  | .00942 | .21605 | .36153 | -.00113 | .12828 |
| #2 | .61637 | .00047  | .03692 | .21304 | .35291 | -.00063 | .11773 |
| #3 | .66321 | -.00012 | .02488 | .21034 | .34393 | -.00120 | .12797 |

Sample Name: K2102-01LX5      Acquired: 3/28/2019 21:02:52      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .00086 | .1736  | -.01278 | 1.0112 | F<.00000 |
| Stddev | .00089 | .0024  | .00014  | .3473  | .14825   |
| %RSD   | 102.98 | 1.407  | 1.0917  | 34.340 | 1.2071   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | .00087  | .1710 | -.01265 | .64836 | -12.123 |
| #2 | -.00003 | .1759 | -.01276 | 1.3404 | -12.416 |
| #3 | .00175  | .1738 | -.01293 | 1.0449 | -12.306 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3451.2 | 39065. | 3238.8 | 45.192 | 3877.3 |
| Stddev    | 6.5    | 109.   | 30.6   | .885   | 4.8    |
| %RSD      | .18759 | .27791 | .94446 | 1.9588 | .12418 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3450.4 | 39153. | 3209.8 | 45.125 | 3878.3 |
| #2 | 3445.2 | 38944. | 3235.8 | 44.342 | 3872.1 |
| #3 | 3458.1 | 39097. | 3270.8 | 46.108 | 3881.5 |

Sample Name: K2102-01MS      Acquired: 3/28/2019 21:07:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80806 | 2.0353 | 1.0633 | 1.9033 | .25772 | 36.947 | .34671 |
| Stddev | .00368 | .0050  | .0024  | .0026  | .00079 | .105   | .00228 |
| %RSD   | .45503 | .24766 | .22132 | .13593 | .30510 | .28466 | .65790 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81008 | 2.0411 | 1.0652 | 1.9005 | .25682 | 36.845 | .34727 |
| #2 | .81029 | 2.0319 | 1.0607 | 1.9056 | .25821 | 37.055 | .34867 |
| #3 | .80382 | 2.0328 | 1.0641 | 1.9039 | .25815 | 36.940 | .34421 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19661 | .19670 | 5.4999 | .47968 | .22093 | .45602 | 69.373 |
| Stddev | .00068 | .00036 | .0536  | .00173 | .00041 | .00090 | 1.020  |
| %RSD   | .34696 | .18383 | .97537 | .36168 | .18381 | .19670 | 1.4702 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19626 | .19671 | 5.5091 | .47779 | .22095 | .45549 | 70.542 |
| #2 | .19739 | .19633 | 5.4423 | .48005 | .22132 | .45706 | 68.908 |
| #3 | .19617 | .19705 | 5.5484 | .48120 | .22051 | .45551 | 68.668 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .98987 | 4.4662 | .53451 | .06549 | 4.1264 | .42252 | .26181 |
| Stddev | .00071 | .1221  | .00192 | .00084 | .0104  | .00178 | .00045 |
| %RSD   | .07152 | 2.7332 | .35960 | 1.2768 | .25332 | .42230 | .17248 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .99066 | 4.5616 | .53633 | .06453 | 4.1160 | .42067 | .26198 |
| #2 | .98967 | 4.3286 | .53250 | .06582 | 4.1369 | .42422 | .26130 |
| #3 | .98929 | 4.5085 | .53469 | .06610 | 4.1262 | .42268 | .26216 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.397 | .36669 | .27276 | .95110 | 2.5345 | .65872 | .68364 |
| Stddev | .031   | .00029 | .02018 | .00258 | .0181  | .00246 | .00260 |
| %RSD   | .25308 | .07783 | 7.4002 | .27091 | .71587 | .37383 | .38046 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.363 | .36646 | .24984 | .95182 | 2.5552 | .65976 | .68267 |
| #2 | 12.403 | .36701 | .28789 | .95324 | 2.5274 | .65590 | .68167 |
| #3 | 12.424 | .36659 | .28054 | .94824 | 2.5210 | .66048 | .68659 |

Sample Name: K2102-01MS      Acquired: 3/28/2019 21:07:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .20856 | 6.279  | .18607 | <.00000 | F<.00000 |
| Stddev    | .00226 | .016   | .00050 | .50828  | 1.8503   |
| %RSD      | 1.0823 | .2528  | .26726 | 66.347  | 1.8211   |
| #1        | .20661 | 6.297  | .18659 | -.25770 | -103.40  |
| #2        | .20804 | 6.269  | .18602 | -1.2743 | -101.71  |
| #3        | .21104 | 6.271  | .18560 | -.76632 | -99.702  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3598.8 | 40691. | 3296.5 | 44.882  | 3813.2   |
| Stddev    | 3.4    | 200.   | 30.2   | 1.222   | 6.7      |
| %RSD      | .09411 | .49079 | .91587 | 2.7229  | .17663   |
| #1        | 3602.5 | 40461. | 3263.1 | 45.596  | 3808.4   |
| #2        | 3595.9 | 40805. | 3322.0 | 43.471  | 3820.9   |
| #3        | 3598.0 | 40808. | 3304.2 | 45.579  | 3810.2   |

Sample Name: K2102-01MSD      Acquired: 3/28/2019 21:11:34      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81546 | 2.0448 | 1.0674 | 1.9155 | .25995 | 37.327 | .34853 |
| Stddev | .00421 | .0081  | .0017  | .0075  | .00193 | .275   | .00245 |
| %RSD   | .51635 | .39875 | .15609 | .39052 | .74427 | .73690 | .70219 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82014 | 2.0398 | 1.0690 | 1.9179 | .26206 | 37.036 | .34802 |
| #2 | .81425 | 2.0542 | 1.0674 | 1.9215 | .25953 | 37.583 | .35119 |
| #3 | .81199 | 2.0404 | 1.0657 | 1.9071 | .25826 | 37.361 | .34637 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19692 | .19717 | 5.4700 | .48538 | .22148 | .46123 | 71.006 |
| Stddev | .00089 | .00066 | .1214  | .00115 | .00039 | .00252 | .295   |
| %RSD   | .45296 | .33596 | 2.2201 | .23702 | .17532 | .54627 | .41541 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19610 | .19683 | 5.3299 | .48443 | .22108 | .46153 | 71.346 |
| #2 | .19787 | .19794 | 5.5450 | .48504 | .22185 | .46358 | 70.839 |
| #3 | .19679 | .19675 | 5.5350 | .48666 | .22150 | .45857 | 70.831 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .99400 | 4.5026 | .53656 | .06512 | 4.1653 | .42562 | .26527 |
| Stddev | .00249 | .1200  | .00037 | .00054 | .0167  | .00299 | .00063 |
| %RSD   | .25004 | 2.6648 | .06933 | .82503 | .40058 | .70247 | .23595 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .99350 | 4.3805 | .53616 | .06556 | 4.1742 | .42556 | .26534 |
| #2 | .99670 | 4.6204 | .53662 | .06529 | 4.1756 | .42265 | .26586 |
| #3 | .99181 | 4.5069 | .53690 | .06453 | 4.1460 | .42863 | .26461 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.516 | .36919 | .28531 | .98843 | 2.5007 | .66086 | .68559 |
| Stddev | .041   | .00122 | .03126 | .00079 | .0378  | .00164 | .01753 |
| %RSD   | .32979 | .33121 | 10.958 | .07973 | 1.5121 | .24838 | 2.5562 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.468 | .36892 | .29670 | .98878 | 2.4591 | .66102 | .66551 |
| #2 | 12.542 | .37052 | .24995 | .98899 | 2.5330 | .66243 | .69777 |
| #3 | 12.536 | .36812 | .30929 | .98753 | 2.5099 | .65915 | .69351 |



Sample Name: K2102-01MSD      Acquired: 3/28/2019 21:11:34      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TT-001-IDWSO      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .20779 | 6.314  | .18175 | <.00000 | F<.00000 |
| Stddev | .00565 | .023   | .00569 | .21477  | 1.2256   |
| %RSD   | 2.7182 | .3682  | 3.1318 | 110.72  | 1.1984   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .20128 | 6.336 | .17518 | -.30618 | -103.52 |
| #2 | .21138 | 6.316 | .18532 | .05366  | -101.07 |
| #3 | .21071 | 6.289 | .18474 | -.32939 | -102.21 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3585.1 | 40657. | 3337.1 | 45.569 | 3805.6 |
| Stddev    | 5.4    | 230.   | 56.9   | 1.435  | 1.2    |
| %RSD      | .15105 | .56450 | 1.7049 | 3.1495 | .03147 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3588.3 | 40452. | 3401.8 | 46.371 | 3805.3 |
| #2 | 3578.8 | 40614. | 3295.0 | 43.912 | 3804.6 |
| #3 | 3588.1 | 40905. | 3314.4 | 46.423 | 3806.9 |

Sample Name: K2102-01A      Acquired: 3/28/2019 21:15:49      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-5      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .83033 | 2.0632 | 1.0928 | 1.9435 | .26482 | 39.533 | .36191 |
| Stddev | .00461 | .0030  | .0006  | .0089  | .00040 | .129   | .00215 |
| %RSD   | .55564 | .14403 | .05428 | .46000 | .14927 | .32718 | .59361 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82827 | 2.0597 | 1.0926 | 1.9406 | .26505 | 39.644 | .36436 |
| #2 | .82712 | 2.0650 | 1.0935 | 1.9363 | .26436 | 39.391 | .36036 |
| #3 | .83562 | 2.0648 | 1.0924 | 1.9535 | .26504 | 39.563 | .36101 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19855 | .19941 | 5.4742 | .50321 | .22477 | .47633 | 75.114 |
| Stddev | .00080 | .00024 | .0319  | .00123 | .00020 | .00101 | .369   |
| %RSD   | .40131 | .12120 | .58294 | .24530 | .08882 | .21222 | .49147 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19861 | .19944 | 5.4462 | .50230 | .22467 | .47698 | 75.470 |
| #2 | .19773 | .19964 | 5.5090 | .50273 | .22500 | .47517 | 74.733 |
| #3 | .19932 | .19916 | 5.4676 | .50462 | .22465 | .47684 | 75.139 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0134 | 4.7048 | .54220 | .06544 | 4.2351 | .43517 | .26971 |
| Stddev | .0011  | .0449  | .00023 | .00063 | .0245  | .00072 | .00048 |
| %RSD   | .10877 | .95550 | .04217 | .95994 | .57726 | .16474 | .17900 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0147 | 4.6736 | .54231 | .06494 | 4.2611 | .43444 | .27019 |
| #2 | 1.0131 | 4.6845 | .54193 | .06523 | 4.2125 | .43520 | .26970 |
| #3 | 1.0125 | 4.7564 | .54234 | .06614 | 4.2316 | .43588 | .26923 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.905 | .37561 | .28954 | 1.0908 | 2.5749 | .66564 | .72728 |
| Stddev | .030   | .00099 | .03271 | .0038  | .0254  | .00027 | .00895 |
| %RSD   | .23608 | .26391 | 11.297 | .34998 | .98495 | .04001 | 1.2305 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.923 | .37485 | .25317 | 1.0952 | 2.5960 | .66545 | .73735 |
| #2 | 12.870 | .37525 | .29890 | 1.0883 | 2.5819 | .66594 | .72424 |
| #3 | 12.923 | .37673 | .31655 | 1.0888 | 2.5467 | .66553 | .72024 |

Sample Name: K2102-01A      Acquired: 3/28/2019 21:15:49      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-5      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .21281 | 6.403  | .18205 | .05365  | F<.00000 |
| Stddev    | .00106 | .007   | .00253 | .58642  | 1.6453   |
| %RSD      | .49824 | .1157  | 1.3905 | 1093.1  | 1.5028   |
| #1        | .21268 | 6.411  | .18492 | .72291  | -108.79  |
| #2        | .21182 | 6.397  | .18112 | -.19179 | -111.36  |
| #3        | .21393 | 6.401  | .18012 | -.37017 | -108.29  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3554.9 | 40087. | 3292.1 | 45.242  | 3772.9   |
| Stddev    | 2.5    | 171.   | 20.7   | 1.091   | 6.0      |
| %RSD      | .07123 | .42752 | .62908 | 2.4123  | .15856   |
| #1        | 3553.5 | 39890. | 3274.9 | 44.972  | 3766.6   |
| #2        | 3553.4 | 40168. | 3286.2 | 44.311  | 3773.6   |
| #3        | 3557.8 | 40203. | 3315.1 | 46.443  | 3778.5   |

Sample Name: K2093-17      Acquired: 3/28/2019 21:20:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 30092-30093-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00087 | -.00017 | .09393 | .03235 | -.00318 | 24.971 | .68442 |
| Stddev | .00400 | .00114  | .00089 | .00124 | .00098  | .217   | .00540 |
| %RSD   | 457.50 | 666.31  | .94439 | 3.8400 | 30.752  | .86831 | .78884 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00412  | .00104  | .09480 | .03246 | -.00430 | 24.752 | .68321 |
| #2 | -.00360 | -.00034 | .09396 | .03105 | -.00248 | 24.973 | .67972 |
| #3 | .00210  | -.00121 | .09302 | .03353 | -.00276 | 25.186 | .69032 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00039 | -.00077 | 34.508 | .00335 | .00643 | .09452 | 64.648 |
| Stddev | .00010  | .00013  | .186   | .00012 | .00013 | .00133 | .129   |
| %RSD   | 25.537  | 16.641  | .53826 | 3.4801 | 2.0768 | 1.4034 | .19982 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00048 | -.00066 | 34.350 | .00329 | .00647 | .09444 | 64.584 |
| #2 | -.00040 | -.00073 | 34.713 | .00348 | .00654 | .09589 | 64.564 |
| #3 | -.00028 | -.00091 | 34.462 | .00327 | .00628 | .09324 | 64.797 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9393 | 13.703 | .01549 | -.00637 | 244.89 | .00715 | .52074 |
| Stddev | .0035  | .074   | .00062 | .00057  | .77    | .00024 | .00237 |
| %RSD   | .18111 | .53923 | 3.9895 | 8.8850  | .31307 | 3.3291 | .45542 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9354 | 13.621 | .01484 | -.00638 | 245.69 | .00734 | .52348 |
| #2 | 1.9423 | 13.766 | .01607 | -.00694 | 244.83 | .00688 | .51946 |
| #3 | 1.9402 | 13.721 | .01556 | -.00580 | 244.16 | .00723 | .51928 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 10.346 | .01345 | .09641 | F 78.388 | F 50.150 | -.02324 | .65334 |
| Stddev | .034   | .00031 | .01830 | .130     | .542     | .00049  | .00358 |
| %RSD   | .33097 | 2.3309 | 18.979 | .16573   | 1.0809   | 2.0874  | .54828 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 10.360 | .01356 | .07927 | 78.500 | 50.481 | -.02375 | .65664 |
| #2 | 10.370 | .01370 | .11568 | 78.418 | 50.444 | -.02319 | .65384 |
| #3 | 10.306 | .01310 | .09428 | 78.246 | 49.524 | -.02279 | .64953 |

Sample Name: K2093-17      Acquired: 3/28/2019 21:20:03      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30092-30093-      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .05349 | .9908  | .37995 | 1.6276 | F<.00000 |
| Stddev    | .00089 | .0048  | .00215 | .2022  | 2.5515   |
| %RSD      | 1.6555 | .4834  | .56613 | 12.420 | 3.3182   |
| #1        | .05341 | .9871  | .38240 | 1.8298 | -76.235  |
| #2        | .05442 | .9962  | .37909 | 1.4255 | -74.738  |
| #3        | .05266 | .9892  | .37837 | 1.6277 | -79.712  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3368.6 | 38142. | 3222.0 | 43.720 | 3451.1   |
| Stddev    | 10.0   | 57.    | 37.0   | .792   | 14.7     |
| %RSD      | .29782 | .14827 | 1.1491 | 1.8108 | .42482   |
| #1        | 3357.5 | 38149. | 3200.6 | 43.471 | 3434.2   |
| #2        | 3371.2 | 38083. | 3200.7 | 43.082 | 3458.4   |
| #3        | 3377.1 | 38195. | 3264.8 | 44.606 | 3460.7   |

Sample Name: K2093-20      Acquired: 3/28/2019 21:24:33      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30099-30100-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05818 | .00237 | .20957 | .04285 | .02958 | 10.223 | .73266 |
| Stddev | .00472 | .00016 | .00339 | .00210 | .00049 | .168   | .01011 |
| %RSD   | 8.1179 | 6.5698 | 1.6196 | 4.9013 | 1.6593 | 1.6481 | 1.3796 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05868 | .00234 | .20957 | .04261 | .02984 | 10.096 | .72264 |
| #2 | .06263 | .00224 | .20617 | .04088 | .02902 | 10.414 | .74285 |
| #3 | .05323 | .00254 | .21296 | .04506 | .02990 | 10.159 | .73247 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01100 | .08394 | 1600.0 | .08812 | .03495 | .34086 | 136.49 |
| Stddev | .00021  | .00055 | 8.6    | .00144 | .00053 | .00099 | .73    |
| %RSD   | 1.9441  | .65348 | .53785 | 1.6299 | 1.5116 | .29155 | .53522 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01083 | .08430 | 1598.6 | .08831 | .03478 | .34170 | 135.80 |
| #2 | -.01124 | .08331 | 1592.2 | .08945 | .03454 | .34110 | 137.26 |
| #3 | -.01094 | .08421 | 1609.2 | .08659 | .03555 | .33976 | 136.40 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.2017 | 29.514 | .08856 | -.03916 | 521.73 | .06115 | 3.9388 |
| Stddev | .0102  | .443   | .00010 | .00135  | .45    | .00017 | .0169  |
| %RSD   | .46425 | 1.5007 | .11082 | 3.4567  | .08563 | .27140 | .42853 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.1911 | 29.031 | .08850 | -.03975 | 522.10 | .06134 | 3.9557 |
| #2 | 2.2025 | 29.901 | .08850 | -.04012 | 521.23 | .06101 | 3.9219 |
| #3 | 2.2115 | 29.611 | .08867 | -.03761 | 521.87 | .06111 | 3.9387 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 45.916 | .44596 | 4.7016 | F 36.632 | F 23.293 | .00973 | .16818 |
| Stddev | .662   | .00064 | .0497  | .123     | .266     | .00080 | .00161 |
| %RSD   | 1.4407 | .14289 | 1.0560 | .33502   | 1.1425   | 8.1968 | .95743 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 45.188 | .44661 | 4.6489 | 36.747 | 23.477 | .01020 | .16645 |
| #2 | 46.480 | .44595 | 4.7475 | 36.503 | 22.988 | .00881 | .16963 |
| #3 | 46.081 | .44533 | 4.7084 | 36.646 | 23.414 | .01017 | .16846 |

Sample Name: K2093-20      Acquired: 3/28/2019 21:24:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 30099-30100-      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | 1.3930 | 3.618  | 3.5543 | <.00000 | F<.00000 |
| Stddev | .0035  | .006   | .0120  | .79407  | 1.0988   |
| %RSD   | .24885 | .1598  | .33746 | 42.340  | .67031   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | 1.3893 | 3.614 | 3.5517 | -2.5667 | -162.81 |
| #2 | 1.3962 | 3.615 | 3.5438 | -2.0516 | -163.94 |
| #3 | 1.3935 | 3.624 | 3.5673 | -1.0081 | -165.01 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2779.6 | 32568. | 2951.4 | 38.347 | 2781.1 |
| Stddev    | 16.3   | 97.    | 27.1   | .448   | 15.8   |
| %RSD      | .58686 | .29682 | .91812 | 1.1683 | .56777 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2761.1 | 32653. | 2928.0 | 38.833 | 2762.9 |
| #2 | 2785.5 | 32463. | 2981.1 | 38.258 | 2789.3 |
| #3 | 2792.1 | 32587. | 2944.9 | 37.951 | 2791.0 |

Sample Name: CCV09      Acquired: 3/28/2019 21:29:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0529 | 5.0116 | 4.9675 | 5.0330 | 5.0898 | 10.204 | 10.132 | .25532   |
| Stddev | .0238  | .0063  | .0106  | .0109  | .0175  | .136   | .027   | .00021   |
| %RSD   | .47049 | .12571 | .21369 | .21575 | .34286 | 1.3281 | .27083 | .08190   |
| #1     | 5.0800 | 5.0097 | 4.9684 | 5.0377 | 5.1099 | 10.055 | 10.161 | .25552   |
| #2     | 5.0431 | 5.0065 | 4.9564 | 5.0408 | 5.0812 | 10.238 | 10.106 | .25534   |
| #3     | 5.0356 | 5.0187 | 4.9776 | 5.0206 | 5.0784 | 10.320 | 10.129 | .25510   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4746 | 24.636 | .99154 | 2.4956 | 1.2791 | 4.8888 | 2.5334 | 24.860   |
| Stddev | .0064  | .147   | .00524 | .0054  | .0010  | .0114  | .0061  | .266     |
| %RSD   | .25995 | .59485 | .52889 | .21530 | .07795 | .23235 | .23991 | 1.0692   |
| #1     | 2.4726 | 24.498 | .98555 | 2.4934 | 1.2797 | 4.8761 | 2.5266 | 24.574   |
| #2     | 2.4694 | 24.620 | .99379 | 2.4917 | 1.2779 | 4.8922 | 2.5382 | 24.907   |
| #3     | 2.4818 | 24.790 | .99529 | 2.5017 | 1.2797 | 4.8981 | 2.5353 | 25.099   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5197 | 1.2360 | 24.195 | 2.5161 | 2.5190 | 25.577 | 5.0399 | 5.2538   |
| Stddev | .0024  | .0033  | .058   | .0061  | .0056  | .059   | .0082  | .0484    |
| %RSD   | .09488 | .26379 | .23968 | .24241 | .22314 | .22956 | .16313 | .92176   |
| #1     | 2.5219 | 1.2325 | 24.254 | 2.5105 | 2.5202 | 25.603 | 5.0489 | 5.2046   |
| #2     | 2.5172 | 1.2389 | 24.139 | 2.5226 | 2.5129 | 25.510 | 5.0380 | 5.2554   |
| #3     | 2.5202 | 1.2367 | 24.191 | 2.5153 | 2.5239 | 25.619 | 5.0328 | 5.3015   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0264 | 5.0858 | 4.9120 | 5.0350 | 4.8574 | 4.933  | 5.0489 | F 2.8386 |
| Stddev | .0090  | .0134  | .0170  | .0345  | .0137  | .011   | .0202  | .4604    |
| %RSD   | .17968 | .26246 | .34587 | .68564 | .28094 | .2217  | .40076 | 16.219   |
| #1     | 5.0337 | 5.0846 | 4.9152 | 4.9980 | 4.8699 | 4.941  | 5.0718 | 2.4439   |
| #2     | 5.0163 | 5.0731 | 4.8936 | 5.0409 | 4.8428 | 4.921  | 5.0333 | 2.7275   |
| #3     | 5.0293 | 5.0997 | 4.9272 | 5.0662 | 4.8594 | 4.938  | 5.0417 | 3.3444   |



Sample Name: CCV09      Acquired: 3/28/2019 21:29:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.1998  
Stddev      1.1015  
%RSD      34.423

#1      4.3212  
#2      2.1194  
#3      3.1587

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3327.0 | 38272. | 3178.7 | 44.437 | 3565.1 |
| Stddev    | 4.5    | 129.   | 7.1    | 1.319  | 13.0   |
| %RSD      | .13395 | .33775 | .22381 | 2.9677 | .36583 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3325.6 | 38353. | 3176.7 | 42.987 | 3571.2 |
| #2 | 3332.0 | 38341. | 3186.6 | 44.759 | 3573.9 |
| #3 | 3323.5 | 38123. | 3172.8 | 45.565 | 3550.1 |

Sample Name: CCB09      Acquired: 3/28/2019 21:33:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |          |         |         |          |
|--------|---------|---------|---------|----------|----------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068   | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00002  | .00199  | -.00246 | .00290   | -.00048  | -.01529 | -.00153 | .00005   |
| Stddev | .00072  | .00075  | .00070  | .00223   | .00206   | .01317  | .00153  | .00001   |
| %RSD   | 4429.2  | 37.445  | 28.584  | 77.062   | 426.41   | 86.165  | 99.786  | 14.090   |
| #1     | .00020  | .00114  | -.00169 | .00547   | -.00250  | -.00537 | -.00049 | .00005   |
| #2     | .00063  | .00230  | -.00263 | .00171   | .00162   | -.01026 | -.00329 | .00005   |
| #3     | -.00078 | .00254  | -.00307 | .00151   | -.00057  | -.03023 | -.00082 | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247   | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | -.00013 | -.01752 | .00139  | .00012   | -.00207  | .00001  | .00020  | -.07579  |
| Stddev | .00011  | .00534  | .00026  | .00012   | .00045   | .00074  | .00000  | .02611   |
| %RSD   | 81.246  | 30.481  | 18.689  | 96.895   | 21.627   | 7694.8  | 2.2887  | 34.452   |
| #1     | -.00023 | -.01310 | .00110  | .00015   | -.00169  | -.00065 | .00021  | -.08931  |
| #2     | -.00002 | -.01601 | .00144  | -.00001  | -.00256  | -.00013 | .00020  | -.04569  |
| #3     | -.00015 | -.02346 | .00161  | .00023   | -.00195  | .00080  | .00021  | -.09238  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138   | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00082  | -.00136 | .36645  | .00005   | .00077   | .16388  | .00013  | .01756   |
| Stddev | .00022  | .00051  | .00312  | .00058   | .00015   | .02273  | .00028  | .01785   |
| %RSD   | 26.471  | 37.081  | .85104  | 1062.5   | 20.062   | 13.870  | 207.28  | 101.67   |
| #1     | .00057  | -.00138 | .36956  | -.00019  | .00091   | .18867  | .00035  | .03494   |
| #2     | .00089  | -.00186 | .36645  | -.00036  | .00060   | .15894  | -.00018 | .01847   |
| #3     | .00098  | -.00085 | .36332  | .00072   | .00078   | .14402  | .00024  | -.00073  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707   | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm      | ppm     | ppm     | ppm      |
| Avg    | .00373  | .00957  | .00092  | F .01083 | F .00518 | .0015   | -.00004 | F 1.0400 |
| Stddev | .00231  | .00282  | .00085  | .00227   | .00067   | .0003   | .00011  | .4079    |
| %RSD   | 61.980  | 29.495  | 92.215  | 20.924   | 12.841   | 21.98   | 288.22  | 39.221   |
| #1     | .00611  | .00763  | .00160  | .00821   | .00594   | .0012   | -.00013 | 1.5035   |
| #2     | .00149  | .01281  | .00121  | .01204   | .00473   | .0015   | -.00007 | .88086   |
| #3     | .00359  | .00827  | -.00003 | .01223   | .00486   | .0019   | .00008  | .73569   |

Sample Name: CCB09      Acquired: 3/28/2019 21:33:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.5516  
Stddev      .3151  
%RSD      20.307

#1      1.2147  
#2      1.6010  
#3      1.8391

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3473.6 | 39365. | 3129.6 | 43.981 | 3981.1 |
| Stddev    | 9.1    | 69.    | 33.3   | 1.057  | 7.9    |
| %RSD      | .26148 | .17648 | 1.0632 | 2.4021 | .19860 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3463.3 | 39286. | 3102.9 | 43.342 | 3972.0 |
| #2 | 3477.0 | 39416. | 3119.1 | 43.400 | 3985.0 |
| #3 | 3480.5 | 39393. | 3166.9 | 45.200 | 3986.4 |

Sample Name: K2121-01      Acquired: 3/28/2019 21:37:31      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-11      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03490 | -.00117 | .42068 | .01360 | .03578 | 12.265 | .13738 |
| Stddev | .00317 | .00083  | .00284 | .00425 | .00117 | .089   | .00184 |
| %RSD   | 9.0691 | 71.511  | .67607 | 31.250 | 3.2748 | .72941 | 1.3366 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .03142 | -.00032 | .42215 | .01314 | .03638 | 12.178 | .13551 |
| #2 | .03567 | -.00199 | .41740 | .00960 | .03443 | 12.356 | .13918 |
| #3 | .03761 | -.00118 | .42248 | .01807 | .03653 | 12.259 | .13745 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00139 | .00929 | 107.33 | .03669 | .01283 | .38001 | 27.668 |
| Stddev | .00011  | .00005 | .95    | .00035 | .00020 | .00134 | .093   |
| %RSD   | 7.9383  | .59004 | .88734 | .96047 | 1.5853 | .35357 | .33506 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00133 | .00934 | 106.52 | .03655 | .01306 | .38138 | 27.568 |
| #2 | -.00152 | .00923 | 107.08 | .03709 | .01275 | .37996 | 27.685 |
| #3 | -.00133 | .00930 | 108.38 | .03643 | .01268 | .37869 | 27.751 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .69766 | 27.193 | .12573 | -.00623 | 59.520 | .03709 | 1.6271 |
| Stddev | .00136 | .356   | .00036 | .00054  | .173   | .00029 | .0071  |
| %RSD   | .19472 | 1.3090 | .28860 | 8.6606  | .29031 | .77766 | .43848 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .69610 | 26.788 | .12588 | -.00610 | 59.336 | .03711 | 1.6309 |
| #2 | .69857 | 27.333 | .12532 | -.00577 | 59.545 | .03738 | 1.6188 |
| #3 | .69831 | 27.457 | .12600 | -.00682 | 59.679 | .03680 | 1.6314 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 5.1436 | .10133 | .03306 | 4.3988 | F 17.285 | .01434 | .48203 |
| Stddev | .0304  | .00026 | .03324 | .0111  | .092     | .00097 | .00739 |
| %RSD   | .59033 | .25825 | 100.55 | .25193 | .53002   | 6.7317 | 1.5323 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 5.1228 | .10146 | .05339  | 4.4028 | 17.190 | .01440 | .47997 |
| #2 | 5.1295 | .10151 | .05109  | 4.3863 | 17.291 | .01334 | .47589 |
| #3 | 5.1784 | .10103 | -.00530 | 4.4073 | 17.373 | .01526 | .49023 |

Sample Name: K2121-01      Acquired: 3/28/2019 21:37:31      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-11      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02372 | 1.817  | .23914 | 1.0634 | F<.00000 |
| Stddev | .00166 | .008   | .00158 | .5661  | .53417   |
| %RSD   | 7.0132 | .4375  | .65974 | 53.232 | 2.8045   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02323 | 1.814 | .23824 | 1.7052 | -19.656 |
| #2 | .02557 | 1.811 | .23823 | .63562 | -18.658 |
| #3 | .02235 | 1.826 | .24096 | .84923 | -18.826 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3406.8 | 39119. | 3299.2 | 42.783 | 3636.1 |
| Stddev    | 22.0   | 181.   | 9.1    | 1.152  | 19.3   |
| %RSD      | .64607 | .46250 | .27594 | 2.6919 | .53000 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3386.1 | 38923. | 3290.9 | 41.608 | 3616.3 |
| #2 | 3404.4 | 39156. | 3308.9 | 43.910 | 3654.8 |
| #3 | 3429.9 | 39279. | 3297.8 | 42.829 | 3637.3 |

Sample Name: K2121-02      Acquired: 3/28/2019 21:41:47      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TW-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .10523 | -.01032 | .33470 | .08209 | -.00156 | 142.46 | 1.0224 |
| Stddev | .00285 | .00213  | .00366 | .00303 | .00280  | .77    | .0076  |
| %RSD   | 2.7061 | 20.591  | 1.0932 | 3.6850 | 179.25  | .54169 | .74424 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .10217 | -.00915 | .33122 | .08377 | -.00094 | 141.85 | 1.0175 |
| #2 | .10571 | -.00904 | .33851 | .08390 | -.00462 | 143.33 | 1.0311 |
| #3 | .10781 | -.01278 | .33437 | .07860 | .00087  | 142.21 | 1.0184 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01166 | .00366 | 240.50 | .16907 | .13089 | .72880 | 231.42 |
| Stddev | .00021  | .00020 | 1.93   | .00104 | .00023 | .00190 | .58    |
| %RSD   | 1.7769  | 5.4948 | .80327 | .61441 | .17575 | .26028 | .24927 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01151 | .00349 | 238.69 | .16866 | .13105 | .73076 | 231.50 |
| #2 | -.01157 | .00360 | 242.53 | .17025 | .13101 | .72865 | 231.95 |
| #3 | -.01190 | .00388 | 240.29 | .16829 | .13063 | .72698 | 230.81 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.3513 | 95.213 | .23002 | -.03247 | 50.438 | .25847 | 1.5552 |
| Stddev | .0404  | .635   | .00136 | .00020  | .342   | .00136 | .0038  |
| %RSD   | .63582 | .66660 | .59294 | .60938  | .67794 | .52478 | .24297 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.3958 | 94.615 | .22845 | -.03258 | 50.273 | .25824 | 1.5515 |
| #2 | 6.3408 | 95.879 | .23095 | -.03224 | 50.831 | .25724 | 1.5549 |
| #3 | 6.3171 | 95.147 | .23065 | -.03258 | 50.210 | .25993 | 1.5591 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 21.926 | .01723 | .09833 | 4.8964 | F 75.280 | .01934 | 4.2442 |
| Stddev | .182   | .00016 | .03711 | .0142  | .166     | .00044 | .0336  |
| %RSD   | .83175 | .94942 | 37.742 | .28916 | .21999   | 2.2800 | .79082 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.829 | .01719 | .05559 | 4.8828 | 75.091 | .01985 | 4.2056 |
| #2 | 22.137 | .01741 | .12240 | 4.8953 | 75.403 | .01907 | 4.2603 |
| #3 | 21.813 | .01710 | .11701 | 4.9111 | 75.345 | .01910 | 4.2666 |

Sample Name: K2121-02      Acquired: 3/28/2019 21:41:47      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TW-1      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .20976 | 6.879  | .27098 | <.00000 | F<.00000 |
| Stddev    | .00222 | .017   | .00223 | .70020  | 4.6097   |
| %RSD      | 1.0606 | .2417  | .82189 | 16.066  | .86785   |
| #1        | .20726 | 6.863  | .26948 | -3.5920 | -526.53  |
| #2        | .21048 | 6.879  | .27354 | -4.9648 | -531.20  |
| #3        | .21153 | 6.896  | .26991 | -4.5182 | -535.75  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3592.4 | 41658. | 3621.0 | 42.138  | 3212.3   |
| Stddev    | 9.2    | 324.   | 19.6   | .412    | 3.4      |
| %RSD      | .25567 | .77704 | .54118 | .97670  | .10659   |
| #1        | 3581.9 | 41351. | 3602.9 | 41.808  | 3213.9   |
| #2        | 3597.1 | 41625. | 3618.3 | 42.008  | 3214.7   |
| #3        | 3598.4 | 41996. | 3641.8 | 42.599  | 3208.4   |

Sample Name: K2121-03      Acquired: 3/28/2019 21:46:21      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-9      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00548 | -.00237 | .07935 | .01942 | .00512 | 22.754 | .19976 |
| Stddev | .00221 | .00043  | .00059 | .00273 | .00167 | .353   | .00356 |
| %RSD   | 40.293 | 18.321  | .74720 | 14.039 | 32.628 | 1.5496 | 1.7810 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00801 | -.00187 | .07890 | .01824 | .00326 | 22.444 | .19664 |
| #2 | .00399 | -.00268 | .07914 | .02254 | .00561 | 23.137 | .20363 |
| #3 | .00444 | -.00256 | .08002 | .01749 | .00648 | 22.680 | .19900 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00202 | -.00031 | 93.823 | .04221 | .01526 | .19285 | 33.083 |
| Stddev | .00011  | .00007  | .694   | .00099 | .00016 | .00016 | .100   |
| %RSD   | 5.6321  | 21.046  | .73954 | 2.3379 | 1.0184 | .08540 | .30321 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00191 | -.00026 | 94.262 | .04184 | .01508 | .19297 | 33.003 |
| #2 | -.00200 | -.00039 | 93.023 | .04333 | .01531 | .19266 | 33.196 |
| #3 | -.00214 | -.00030 | 94.184 | .04147 | .01537 | .19291 | 33.051 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .55966 | 24.195 | .03063 | -.00786 | 122.46 | .05535 | .92578 |
| Stddev | .00113 | .341   | .00017 | .00087  | 1.19   | .00037 | .00107 |
| %RSD   | .20259 | 1.4083 | .55840 | 11.125  | .97116 | .66611 | .11506 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .55835 | 23.819 | .03083 | -.00691 | 121.29 | .05566 | .92506 |
| #2 | .56033 | 24.485 | .03054 | -.00804 | 123.67 | .05495 | .92528 |
| #3 | .56030 | 24.281 | .03053 | -.00863 | 122.42 | .05545 | .92700 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 8.3231 | .00600 | .06989 | 5.6509 | F 27.543 | .00912 | 1.1044 |
| Stddev | .1087  | .00016 | .01622 | .0130  | .406     | .00052 | .0091  |
| %RSD   | 1.3064 | 2.6879 | 23.211 | .23010 | 1.4753   | 5.7435 | .82081 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.2044 | .00589 | .07714 | 5.6550 | 27.889 | .00928 | 1.1134 |
| #2 | 8.4178 | .00593 | .08122 | 5.6364 | 27.096 | .00955 | 1.0952 |
| #3 | 8.3472 | .00619 | .05131 | 5.6614 | 27.644 | .00854 | 1.1045 |



Sample Name: K2121-03      Acquired: 3/28/2019 21:46:21      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-9      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .03049 | 1.616  | .18065 | 3.2806 | F<.00000 |
| Stddev    | .00189 | .006   | .00067 | .4090  | .58796   |
| %RSD      | 6.1946 | .3699  | .37188 | 12.468 | 2.7011   |
| #1        | .02835 | 1.613  | .18088 | 2.8588 | -22.364  |
| #2        | .03195 | 1.612  | .17990 | 3.3074 | -21.189  |
| #3        | .03115 | 1.623  | .18118 | 3.6756 | -21.748  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3273.6 | 37238. | 3126.9 | 42.862 | 3485.6   |
| Stddev    | 5.0    | 141.   | 38.1   | .853   | 5.2      |
| %RSD      | .15176 | .37982 | 1.2190 | 1.9906 | .15031   |
| #1        | 3268.2 | 37341. | 3089.8 | 42.065 | 3480.5   |
| #2        | 3274.7 | 37077. | 3166.0 | 43.762 | 3485.3   |
| #3        | 3278.0 | 37297. | 3124.9 | 42.758 | 3491.0   |

Sample Name: K2121-04      Acquired: 3/28/2019 21:50:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-8      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02206 | -.00900 | .18856 | .06134 | .00215 | 92.198 | .99994 |
| Stddev | .00283 | .00080  | .00137 | .00454 | .00185 | .256   | .00651 |
| %RSD   | 12.846 | 8.9439  | .72409 | 7.4033 | 85.899 | .27749 | .65120 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02372 | -.00977 | .18795 | .06135 | .00361 | 92.310 | 1.0048 |
| #2 | .01879 | -.00817 | .18761 | .06588 | .00007 | 92.379 | 1.0025 |
| #3 | .02367 | -.00905 | .19013 | .05680 | .00278 | 91.905 | .99254 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00854 | .00021 | 198.16 | .34268 | .08809 | .47307 | 150.01 |
| Stddev | .00014  | .00007 | 1.25   | .00155 | .00039 | .00113 | .59    |
| %RSD   | 1.6948  | 31.943 | .62880 | .45100 | .44301 | .23795 | .39495 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00858 | .00016 | 196.72 | .34171 | .08797 | .47425 | 150.66 |
| #2 | -.00866 | .00029 | 198.82 | .34187 | .08777 | .47294 | 149.51 |
| #3 | -.00838 | .00018 | 198.93 | .34446 | .08853 | .47201 | 149.87 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.3069 | 101.18 | .18451 | -.02210 | 371.32 | .18399 | 1.1118 |
| Stddev | .0020  | .47    | .00065 | .00050  | 4.55   | .00078 | .0012  |
| %RSD   | .03841 | .46825 | .35162 | 2.2722  | 1.2254 | .42325 | .11124 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.3091 | 100.68 | .18514 | -.02268 | 375.91 | .18433 | 1.1113 |
| #2 | 5.3066 | 101.62 | .18385 | -.02177 | 371.22 | .18310 | 1.1109 |
| #3 | 5.3051 | 101.24 | .18453 | -.02184 | 366.82 | .18455 | 1.1132 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 22.803 | .00676 | .06405 | 9.3330 | F 74.582 | .01560 | 3.7647 |
| Stddev | .067   | .00006 | .00779 | .0296  | .508     | .00027 | .0126  |
| %RSD   | .29404 | .91839 | 12.167 | .31764 | .68128   | 1.7302 | .33356 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.871 | .00674 | .07292 | 9.3583 | 74.014 | .01591 | 3.7534 |
| #2 | 22.737 | .00672 | .06089 | 9.3004 | 74.737 | .01541 | 3.7782 |
| #3 | 22.801 | .00683 | .05833 | 9.3402 | 74.994 | .01548 | 3.7625 |

Sample Name: K2121-04      Acquired: 3/28/2019 21:50:39      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-8      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .15213 | 3.893  | .43002 | .52139  | F<.00000 |
| Stddev    | .00229 | .002   | .00343 | .71730  | 1.3306   |
| %RSD      | 1.5084 | .0538  | .79820 | 137.58  | .56268   |
| #1        | .15066 | 3.893  | .42666 | 1.3021  | -237.40  |
| #2        | .15095 | 3.890  | .43352 | -.10858 | -234.95  |
| #3        | .15477 | 3.894  | .42989 | .37066  | -237.09  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3332.0 | 38564. | 3287.9 | 41.279  | 3168.5   |
| Stddev    | 7.4    | 261.   | 7.2    | 1.294   | 3.5      |
| %RSD      | .22228 | .67554 | .22042 | 3.1344  | .11124   |
| #1        | 3323.5 | 38272. | 3295.7 | 39.821  | 3171.1   |
| #2        | 3335.5 | 38645. | 3281.4 | 41.725  | 3164.5   |
| #3        | 3337.1 | 38774. | 3286.6 | 42.291  | 3169.8   |

Sample Name: K2121-05      Acquired: 3/28/2019 21:55:06      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-7      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01176 | -.01292 | .13068 | .05468 | -.00146 | 95.790 | .58347 |
| Stddev | .00837 | .00146  | .00167 | .00038 | .00087  | .027   | .00369 |
| %RSD   | 71.149 | 11.275  | 1.2787 | .69440 | 59.628  | .02769 | .63173 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00423 | -.01226 | .12896 | .05487 | -.00160 | 95.818 | .58741 |
| #2 | .01028 | -.01191 | .13229 | .05425 | -.00226 | 95.787 | .58289 |
| #3 | .02076 | -.01459 | .13078 | .05494 | -.00053 | 95.766 | .58011 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00555 | -.00087 | 244.76 | .13282 | .05307 | .21037 | 109.69 |
| Stddev | .00005  | .00010  | 1.55   | .00048 | .00037 | .00035 | .30    |
| %RSD   | .85655  | 11.847  | .63250 | .35817 | .69371 | .16838 | .27604 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00560 | -.00092 | 245.03 | .13240 | .05314 | .21002 | 110.01 |
| #2 | -.00551 | -.00075 | 243.09 | .13272 | .05267 | .21038 | 109.41 |
| #3 | -.00554 | -.00094 | 246.15 | .13333 | .05339 | .21072 | 109.65 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.6275 | 59.462 | .07105 | -.02184 | 99.232 | .19119 | .55467 |
| Stddev | .0023  | .514   | .00033 | .00074  | .320   | .00086 | .00188 |
| %RSD   | .08647 | .86432 | .46841 | 3.3871  | .32217 | .44858 | .33912 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.6259 | 58.994 | .07140 | -.02238 | 99.557 | .19106 | .55586 |
| #2 | 2.6264 | 60.012 | .07100 | -.02214 | 99.222 | .19041 | .55565 |
| #3 | 2.6301 | 59.379 | .07074 | -.02099 | 98.917 | .19211 | .55250 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 15.344 | .01470 | .16151 | F 66.566 | F 70.772 | -.00959 | 4.3954 |
| Stddev | .146   | .00046 | .00785 | .321     | .513     | .00092  | .0185  |
| %RSD   | .94929 | 3.1115 | 4.8606 | .48247   | .72456   | 9.6404  | .42006 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 15.262 | .01426 | .16042 | 66.795 | 70.774 | -.00999 | 4.4083 |
| #2 | 15.512 | .01517 | .15426 | 66.703 | 70.258 | -.01025 | 4.4035 |
| #3 | 15.258 | .01467 | .16985 | 66.199 | 71.284 | -.00853 | 4.3742 |

Sample Name: K2121-05      Acquired: 3/28/2019 21:55:06      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-7      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .12940 | 2.643  | .54248 | 2.0228 | F<.00000 |
| Stddev    | .00187 | .007   | .00448 | .2357  | .85878   |
| %RSD      | 1.4435 | .2815  | .82596 | 11.651 | .59542   |
| #1        | .12786 | 2.649  | .54647 | 2.1199 | -143.67  |
| #2        | .13148 | 2.646  | .53763 | 1.7541 | -143.80  |
| #3        | .12886 | 2.635  | .54333 | 2.1944 | -145.22  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3343.0 | 38102. | 3282.2 | 41.467 | 3275.5   |
| Stddev    | 3.3    | 137.   | 30.2   | .757   | 16.0     |
| %RSD      | .09728 | .35828 | .92071 | 1.8267 | .48720   |
| #1        | 3340.3 | 37972. | 3275.1 | 40.611 | 3262.0   |
| #2        | 3342.1 | 38244. | 3315.3 | 41.741 | 3271.4   |
| #3        | 3346.6 | 38092. | 3256.2 | 42.049 | 3293.1   |

Sample Name: K2121-06      Acquired: 3/28/2019 21:59:27      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW-6      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00771 | -.00037 | .08076 | .03311 | -.00055 | 22.574 | .37051 |
| Stddev | .00402 | .00121  | .00101 | .00202 | .00139  | .105   | .00260 |
| %RSD   | 52.162 | 324.23  | 1.2466 | 6.1009 | 252.29  | .46525 | .70258 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01067 | -.00020 | .08004 | .03513 | -.00040 | 22.695 | .37158 |
| #2 | .00313 | .00074  | .08191 | .03109 | -.00201 | 22.509 | .36754 |
| #3 | .00933 | -.00166 | .08033 | .03311 | .00076  | 22.518 | .37240 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00450 | -.00142 | 134.21 | .03225 | .02166 | .13916 | 66.827 |
| Stddev | .00004  | .00011  | .21    | .00096 | .00022 | .00016 | .543   |
| %RSD   | .84861  | 7.6786  | .15706 | 2.9691 | 1.0233 | .11372 | .81327 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00447 | -.00130 | 134.37 | .03224 | .02185 | .13932 | 66.911 |
| #2 | -.00449 | -.00145 | 133.97 | .03321 | .02172 | .13916 | 66.246 |
| #3 | -.00454 | -.00152 | 134.27 | .03130 | .02142 | .13900 | 67.324 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9038 | 50.997 | .02867 | -.00914 | 98.894 | .04667 | .21535 |
| Stddev | .0011  | .262   | .00068 | .00061  | .589   | .00037 | .00049 |
| %RSD   | .05793 | .51418 | 2.3724 | 6.7241  | .59546 | .79114 | .22764 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9037 | 50.742 | .02927 | -.00961 | 98.925 | .04625 | .21546 |
| #2 | 1.9049 | 50.985 | .02793 | -.00844 | 98.290 | .04694 | .21577 |
| #3 | 1.9027 | 51.266 | .02882 | -.00935 | 99.467 | .04683 | .21481 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 10.416 | .00270 | .06868 | F 17.229 | F 38.850 | -.00024 | .81529 |
| Stddev | .050   | .00030 | .02493 | .026     | .167     | .00060  | .00927 |
| %RSD   | .47917 | 11.052 | 36.302 | .15289   | .42945   | 249.16  | 1.1368 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 10.413 | .00247 | .06082 | 17.260 | 38.841 | .00004  | .82234 |
| #2 | 10.367 | .00261 | .04863 | 17.217 | 39.021 | -.00093 | .80479 |
| #3 | 10.467 | .00304 | .09660 | 17.212 | 38.688 | .00016  | .81873 |

Sample Name: K2121-06      Acquired: 3/28/2019 21:59:27      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW-6      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04973 | 1.786  | .27120 | 2.2947 | F<.00000 |
| Stddev | .00232 | .006   | .00039 | .7727  | 2.5023   |
| %RSD   | 4.6558 | .3320  | .14491 | 33.672 | 3.4482   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .04712 | 1.793 | .27128 | 2.9190 | -69.821 |
| #2 | .05156 | 1.781 | .27077 | 1.4305 | -73.171 |
| #3 | .05050 | 1.784 | .27155 | 2.5344 | -74.716 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3311.7 | 37997. | 3166.5 | 42.244 | 3437.6 |
| Stddev    | 6.4    | 174.   | 17.3   | .613   | 13.9   |
| %RSD      | .19395 | .45715 | .54776 | 1.4517 | .40335 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3307.8 | 37799. | 3152.3 | 42.375 | 3428.6 |
| #2 | 3319.1 | 38064. | 3161.3 | 41.575 | 3453.5 |
| #3 | 3308.1 | 38127. | 3185.8 | 42.780 | 3430.5 |

Sample Name: K2121-07      Acquired: 3/28/2019 22:03:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FIELD-BLANK      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00313 | .00188 | -.00453 | .00083 | -.00074 | -.02094 | -.00096 | .00013 |
| Stddev | .00082  | .00099 | .00011  | .00313 | .00074  | .01660  | .00057  | .00001 |
| %RSD   | 26.160  | 52.809 | 2.3512  | 376.04 | 100.05  | 79.297  | 58.697  | 10.218 |

|    |         |        |         |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|---------|--------|
| #1 | -.00408 | .00076 | -.00442 | .00249  | -.00005 | -.02687 | -.00052 | .00012 |
| #2 | -.00272 | .00224 | -.00455 | -.00278 | -.00065 | -.03375 | -.00077 | .00011 |
| #3 | -.00261 | .00265 | -.00463 | .00279  | -.00152 | -.00218 | -.00160 | .00014 |

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00023 | -.00769 | .00146 | -.00005 | -.00688 | -.01772 | -.00106 | -.12061 |
| Stddev | .00006  | .01284  | .00029 | .00007  | .00032  | .00099  | .00003  | .01733  |
| %RSD   | 26.462  | 166.87  | 20.049 | 141.35  | 4.6300  | 5.5878  | 3.2477  | 14.370  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00017 | -.02138 | .00126 | -.00004 | -.00670 | -.01691 | -.00105 | -.10358 |
| #2 | -.00024 | .00407  | .00180 | .00001  | -.00725 | -.01883 | -.00103 | -.13822 |
| #3 | -.00029 | -.00577 | .00133 | -.00013 | -.00669 | -.01744 | -.00109 | -.12003 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00297 | -.00156 | .16649 | .00016 | .00646 | .16282 | -.00041 | .00823 |
| Stddev | .00016 | .00004  | .00925 | .00001 | .00007 | .03478 | .00020  | .00929 |
| %RSD   | 5.2854 | 2.4022  | 5.5556 | 8.5146 | 1.0596 | 21.361 | 49.064  | 112.89 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00284 | -.00155 | .17711 | .00017 | .00638 | .12660 | -.00019 | -.00100 |
| #2 | .00293 | -.00153 | .16018 | .00015 | .00648 | .16589 | -.00059 | .00811  |
| #3 | .00315 | -.00160 | .16219 | .00015 | .00651 | .19596 | -.00045 | .01758  |

|        |         |        |         |        |         |        |         |         |
|--------|---------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00359 | .00270 | -.00328 | .00874 | -.00702 | .0008  | -.00027 | <.00000 |
| Stddev | .00384  | .00082 | .00055  | .00244 | .00074  | .0011  | .00013  | .48673  |
| %RSD   | 107.03  | 30.247 | 16.858  | 27.890 | 10.522  | 131.7  | 47.654  | 12.428  |

|    |         |        |         |        |         |       |         |         |
|----|---------|--------|---------|--------|---------|-------|---------|---------|
| #1 | .00085  | .00178 | -.00270 | .00872 | -.00787 | .0021 | -.00026 | -3.4731 |
| #2 | -.00585 | .00300 | -.00334 | .01119 | -.00670 | .0004 | -.00015 | -4.4373 |
| #3 | -.00576 | .00334 | -.00380 | .00631 | -.00650 | .0000 | -.00040 | -3.8393 |



Sample Name: K2121-07      Acquired: 3/28/2019 22:03:53      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FIELD-BLANK      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.6583  
 Stddev      .2931  
 %RSD      11.024

#1      2.9638  
 #2      2.6317  
 #3      2.3795

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3924.9 | 44556. | 3503.4 | 50.083 | 4577.9 |
| Stddev    | 13.1   | 35.    | 40.2   | .641   | 5.7    |
| %RSD      | .33446 | .07761 | 1.1473 | 1.2799 | .12426 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3940.1 | 44516. | 3464.7 | 49.942 | 4584.4 |
| #2 | 3917.8 | 44573. | 3500.6 | 49.525 | 4574.7 |
| #3 | 3916.9 | 44579. | 3545.0 | 50.783 | 4574.5 |

Sample Name: K2121-08      Acquired: 3/28/2019 22:08:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02978 | -.00061 | .44605 | .01588 | .03354 | 12.098 | .13488 |
| Stddev | .00289 | .00125  | .00147 | .00219 | .00101 | .076   | .00098 |
| %RSD   | 9.6938 | 204.70  | .32962 | 13.825 | 3.0191 | .62565 | .72620 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02645 | -.00090 | .44452 | .01721 | .03390 | 12.052 | .13438 |
| #2 | .03133 | .00076  | .44618 | .01334 | .03240 | 12.058 | .13425 |
| #3 | .03155 | -.00168 | .44746 | .01707 | .03432 | 12.186 | .13600 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00129 | .00918 | 98.233 | .03572 | .01199 | .39756 | 25.274 |
| Stddev | .00010  | .00006 | .134   | .00045 | .00004 | .00141 | .028   |
| %RSD   | 7.4671  | .66561 | .13657 | 1.2476 | .37064 | .35498 | .11020 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00140 | .00925 | 98.125 | .03575 | .01194 | .39603 | 25.259 |
| #2 | -.00126 | .00917 | 98.383 | .03526 | .01201 | .39881 | 25.256 |
| #3 | -.00122 | .00913 | 98.192 | .03614 | .01203 | .39783 | 25.306 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .64775 | 24.191 | .11202 | -.00646 | 53.828 | .03695 | 1.4494 |
| Stddev | .00058 | .201   | .00068 | .00017  | .145   | .00046 | .0042  |
| %RSD   | .08933 | .83276 | .60653 | 2.6395  | .26963 | 1.2499 | .28687 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .64840 | 24.083 | .11146 | -.00629 | 53.722 | .03650 | 1.4495 |
| #2 | .64727 | 24.067 | .11277 | -.00646 | 53.769 | .03692 | 1.4452 |
| #3 | .64760 | 24.424 | .11183 | -.00663 | 53.993 | .03742 | 1.4535 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 4.5253 | .10137 | .03973 | 4.1344 | F 17.001 | .01201 | .45845 |
| Stddev | .0476  | .00034 | .01930 | .0082  | .053     | .00107 | .00597 |
| %RSD   | 1.0520 | .33210 | 48.568 | .19808 | .30899   | 8.9374 | 1.3015 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.4911 | .10126 | .02522 | 4.1433 | 17.049 | .01240 | .45294 |
| #2 | 4.5052 | .10175 | .06162 | 4.1271 | 17.008 | .01080 | .45763 |
| #3 | 4.5797 | .10110 | .03234 | 4.1327 | 16.945 | .01283 | .46478 |

Sample Name: K2121-08      Acquired: 3/28/2019 22:08:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DUP      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .02401 | 1.686  | .21891 | 2.3975 | F<.00000 |
| Stddev    | .00083 | .006   | .00151 | .4779  | 2.7101   |
| %RSD      | 3.4660 | .3308  | .69010 | 19.934 | 19.384   |
| #1        | .02305 | 1.690  | .22035 | 2.5840 | -10.855  |
| #2        | .02437 | 1.689  | .21903 | 1.8545 | -15.407  |
| #3        | .02459 | 1.680  | .21734 | 2.7541 | -15.680  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3318.7 | 38057. | 3173.3 | 43.380 | 3569.8   |
| Stddev    | 5.5    | 178.   | 14.6   | 1.182  | 8.3      |
| %RSD      | .16715 | .46643 | .46079 | 2.7235 | .23150   |
| #1        | 3313.1 | 37868. | 3157.3 | 44.674 | 3564.1   |
| #2        | 3318.9 | 38220. | 3176.9 | 42.358 | 3579.3   |
| #3        | 3324.2 | 38083. | 3185.9 | 43.108 | 3566.1   |

Sample Name: K2124-01      Acquired: 3/28/2019 22:12:38      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00770 | .00428 | .02728 | .00776 | .00034 | .72869 | .01832 | .00041 |
| Stddev | .00097 | .00108 | .00031 | .00447 | .00082 | .00575 | .00079 | .00004 |
| %RSD   | 12.584 | 25.237 | 1.1348 | 57.666 | 238.84 | .78964 | 4.3259 | 10.354 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00872 | .00532 | .02753 | .01208 | .00129  | .73438 | .01752 | .00045 |
| #2 | .00679 | .00317 | .02738 | .00315 | -.00005 | .72287 | .01833 | .00037 |
| #3 | .00759 | .00436 | .02693 | .00805 | -.00020 | .72883 | .01911 | .00043 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00206 | 40.721 | .02726 | .00425 | .03537 | 2.1026 | .22376 | 10.076 |
| Stddev | .00011 | .126   | .00069 | .00017 | .00026 | .0047  | .00061 | .129   |
| %RSD   | 5.2332 | .30880 | 2.5156 | 4.0938 | .73791 | .22176 | .27046 | 1.2813 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00206 | 40.715 | .02680 | .00408 | .03539 | 2.1053 | .22319 | 9.9329 |
| #2 | .00195 | 40.598 | .02805 | .00424 | .03510 | 2.1053 | .22370 | 10.184 |
| #3 | .00216 | 40.850 | .02693 | .00443 | .03562 | 2.0972 | .22439 | 10.111 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01479 | -.00171 | 53.071 | .00792 | .08391 | 7.4193 | .00393 | .14584 |
| Stddev | .00045 | .00027  | .323   | .00047 | .00061 | .0220  | .00011 | .01506 |
| %RSD   | 3.0390 | 15.934  | .60897 | 5.9935 | .72517 | .29688 | 2.8747 | 10.324 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .01464 | -.00202 | 52.897 | .00737 | .08440 | 7.4163 | .00391 | .14802 |
| #2 | .01443 | -.00152 | 52.873 | .00819 | .08322 | 7.3989 | .00383 | .15968 |
| #3 | .01529 | -.00159 | 53.444 | .00819 | .08410 | 7.4427 | .00405 | .12981 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.2172 | 6.2323 | .00621 | .02304 | .00925 | .0381  | .27028 | 2.3074 |
| Stddev | .0315  | .0103  | .00032 | .00343 | .00134 | .0007  | .00120 | .2748  |
| %RSD   | .50607 | .16553 | 5.2366 | 14.869 | 14.520 | 1.770  | .44568 | 11.908 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 6.2329 | 6.2441 | .00587 | .02680 | .00790 | .0386 | .27139 | 2.0039 |
| #2 | 6.1809 | 6.2255 | .00623 | .02221 | .01058 | .0382 | .26900 | 2.5392 |
| #3 | 6.2377 | 6.2272 | .00652 | .02010 | .00928 | .0373 | .27046 | 2.3791 |

Sample Name: K2124-01      Acquired: 3/28/2019 22:12:38      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .88191  
 Stddev      1.0737  
 %RSD      121.74

#1      .02749  
 #2      2.0871  
 #3      .53115

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3359.1 | 38400. | 3136.8 | 43.629 | 3709.3 |
| Stddev    | 9.7    | 50.    | 15.1   | .689   | 23.5   |
| %RSD      | .28920 | .12971 | .48002 | 1.5795 | .63301 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3349.1 | 38385. | 3119.7 | 43.941 | 3687.7 |
| #2 | 3359.6 | 38456. | 3148.1 | 42.839 | 3734.3 |
| #3 | 3368.5 | 38360. | 3142.5 | 44.106 | 3705.9 |

Sample Name: K2124-04      Acquired: 3/28/2019 22:16:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |        |        |         |
|--------|----------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00115  | -.00052 | .00151  | .00364 | -.00072 | .20592 | .01075 | .00002  |
| Stddev | .00226   | .00044  | .00064  | .00190 | .00161  | .00950 | .00104 | .00008  |
| %RSD   | 197.52   | 84.238  | 42.055  | 52.248 | 222.68  | 4.6146 | 9.6272 | 496.35  |
| #1     | -.00299  | -.00098 | .00221  | .00150 | -.00005 | .20883 | .00958 | -.00001 |
| #2     | -.00184  | -.00046 | .00136  | .00513 | -.00255 | .21362 | .01114 | -.00005 |
| #3     | .00138   | -.00011 | .00097  | .00430 | .00044  | .19530 | .01154 | .00010  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00009  | 47.554  | .00794  | .00074 | .00351  | .43950 | .24769 | 10.088  |
| Stddev | .00006   | .028    | .00045  | .00017 | .00036  | .00295 | .00098 | .173    |
| %RSD   | 71.551   | .05936  | 5.6084  | 22.355 | 10.182  | .67173 | .39661 | 1.7110  |
| #1     | -.00009  | 47.532  | .00840  | .00093 | .00380  | .43995 | .24713 | 9.8888  |
| #2     | -.00002  | 47.543  | .00751  | .00064 | .00311  | .43635 | .24883 | 10.179  |
| #3     | -.00014  | 47.586  | .00790  | .00065 | .00361  | .44220 | .24712 | 10.196  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00384   | -.00296 | 26.701  | .00270 | .04367  | 7.7899 | .00060 | .07379  |
| Stddev | .00020   | .00022  | .173    | .00003 | .00032  | .0447  | .00032 | .00882  |
| %RSD   | 5.3070   | 7.3080  | .64680  | 1.1698 | .74414  | .57391 | 53.723 | 11.947  |
| #1     | .00366   | -.00308 | 26.559  | .00266 | .04399  | 7.7915 | .00041 | .06662  |
| #2     | .00406   | -.00309 | 26.652  | .00273 | .04334  | 7.8338 | .00042 | .07111  |
| #3     | .00380   | -.00271 | 26.893  | .00270 | .04370  | 7.7445 | .00098 | .08363  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 13.503 | 4.8738  | -.00531 | .01625 | .00583  | .0135  | .27130 | 2.6176  |
| Stddev | .046     | .0314   | .00005  | .00075 | .00150  | .0027  | .00075 | .4467   |
| %RSD   | .34370   | .64403  | .86110  | 4.6021 | 25.693  | 19.93  | .27745 | 17.066  |
| #1     | 13.550   | 4.9075  | -.00528 | .01588 | .00444  | .0106  | .27217 | 2.8183  |
| #2     | 13.458   | 4.8687  | -.00529 | .01576 | .00564  | .0140  | .27090 | 2.9288  |
| #3     | 13.501   | 4.8453  | -.00536 | .01711 | .00741  | .0159  | .27083 | 2.1058  |

Sample Name: K2124-04      Acquired: 3/28/2019 22:16:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.9492 |
| Stddev | 1.3073 |
| %RSD   | 44.328 |

|    |        |
|----|--------|
| #1 | 2.2790 |
| #2 | 4.4557 |
| #3 | 2.1129 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3351.5 | 38460. | 3118.3 | 44.544 | 3735.5 |
| Stddev    | 7.6    | 93.    | 25.1   | 1.146  | 20.6   |
| %RSD      | .22650 | .24181 | .80639 | 2.5715 | .55224 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3345.1 | 38370. | 3094.7 | 45.744 | 3714.9 |
| #2 | 3359.9 | 38455. | 3115.3 | 44.428 | 3756.1 |
| #3 | 3349.4 | 38556. | 3144.7 | 43.462 | 3735.6 |

Sample Name: CCV10      Acquired: 3/28/2019 22:21:23      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9799 | 4.9914 | 4.8822 | 5.0210 | 5.0076 | 9.9135 | 9.8750 | .25278   |
| Stddev | .0104  | .0214  | .0051  | .0100  | .0073  | .0289  | .0585  | .00044   |
| %RSD   | .20897 | .42793 | .10414 | .19997 | .14675 | .29187 | .59229 | .17459   |
| #1     | 4.9876 | 4.9684 | 4.8771 | 5.0095 | 5.0140 | 9.8975 | 9.9176 | .25302   |
| #2     | 4.9841 | 5.0105 | 4.8823 | 5.0275 | 5.0094 | 9.8960 | 9.8083 | .25227   |
| #3     | 4.9681 | 4.9954 | 4.8873 | 5.0262 | 4.9996 | 9.9469 | 9.8990 | .25306   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4571 | 24.904 | .99920 | 2.4724 | 1.2507 | 4.9574 | 2.5212 | 24.451   |
| Stddev | .0039  | .092   | .00224 | .0043  | .0018  | .0090  | .0010  | .098     |
| %RSD   | .15808 | .37034 | .22412 | .17290 | .14007 | .18102 | .04119 | .40244   |
| #1     | 2.4532 | 24.800 | .99670 | 2.4701 | 1.2519 | 4.9476 | 2.5204 | 24.341   |
| #2     | 2.4571 | 24.938 | 1.0010 | 2.4697 | 1.2514 | 4.9595 | 2.5210 | 24.479   |
| #3     | 2.4609 | 24.975 | .99991 | 2.4773 | 1.2487 | 4.9652 | 2.5224 | 24.531   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4886 | 1.2258 | 23.884 | 2.5049 | 2.4803 | 24.777 | 4.9600 | 5.0969   |
| Stddev | .0037  | .0026  | .104   | .0024  | .0021  | .131   | .0088  | .0153    |
| %RSD   | .14999 | .21256 | .43412 | .09717 | .08382 | .52735 | .17794 | .30085   |
| #1     | 2.4858 | 1.2274 | 23.906 | 2.5072 | 2.4792 | 24.783 | 4.9581 | 5.0848   |
| #2     | 2.4871 | 1.2273 | 23.771 | 2.5051 | 2.4790 | 24.643 | 4.9697 | 5.0918   |
| #3     | 2.4928 | 1.2228 | 23.975 | 2.5023 | 2.4827 | 24.904 | 4.9524 | 5.1142   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9374 | 5.2522 | 4.8995 | 5.0377 | 4.8927 | 4.922  | 5.0235 | F 3.0238 |
| Stddev | .0197  | .0120  | .0091  | .0080  | .0282  | .018   | .0291  | .6099    |
| %RSD   | .39881 | .22907 | .18535 | .15989 | .57721 | .3720  | .57921 | 20.170   |
| #1     | 4.9162 | 5.2383 | 4.8922 | 5.0468 | 4.8881 | 4.905  | 5.0367 | 2.7067   |
| #2     | 4.9410 | 5.2593 | 4.8967 | 5.0314 | 4.8671 | 4.919  | 4.9902 | 3.7269   |
| #3     | 4.9551 | 5.2591 | 4.9097 | 5.0351 | 4.9230 | 4.941  | 5.0437 | 2.6377   |



Sample Name: CCV10      Acquired: 3/28/2019 22:21:23      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.4682 |
| Stddev | .2366    |
| %RSD   | 6.8214   |

|    |        |
|----|--------|
| #1 | 3.2882 |
| #2 | 3.3803 |
| #3 | 3.7362 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3398.2 | 38577. | 3127.8 | 44.227 | 3625.4 |
| Stddev    | 5.7    | 35.    | 5.7    | 1.417  | 4.8    |
| %RSD      | .16712 | .09192 | .18128 | 3.2047 | .13263 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3397.5 | 38604. | 3133.7 | 45.852 | 3627.8 |
| #2 | 3392.9 | 38590. | 3127.3 | 43.246 | 3628.5 |
| #3 | 3404.2 | 38537. | 3122.3 | 43.582 | 3619.8 |

Sample Name: CCB10      Acquired: 3/28/2019 22:25:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | .00243  | -.00330 | -.00016  | -.00030 | -.01266 | -.00065 | .00004   |
| Stddev | .00224  | .00120  | .00069  | .00318   | .00201  | .00811  | .00147  | .00001   |
| %RSD   | 7441.7  | 49.391  | 20.839  | 1932.6   | 665.61  | 64.064  | 225.74  | 37.730   |
| #1     | .00154  | .00241  | -.00279 | .00133   | -.00203 | -.00330 | -.00140 | .00003   |
| #2     | -.00255 | .00124  | -.00303 | .00199   | .00190  | -.01723 | .00104  | .00005   |
| #3     | .00110  | .00363  | -.00408 | -.00382  | -.00078 | -.01745 | -.00159 | .00003   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00020 | -.02276 | .00117  | -.00003  | -.00299 | .00269  | .00047  | -.07866  |
| Stddev | .00005  | .01053  | .00033  | .00026   | .00014  | .00076  | .00003  | .05604   |
| %RSD   | 23.113  | 46.254  | 28.479  | 768.61   | 4.5780  | 28.245  | 5.5782  | 71.241   |
| #1     | -.00025 | -.02715 | .00129  | .00004   | -.00292 | .00183  | .00046  | -.05781  |
| #2     | -.00016 | -.01075 | .00079  | .00018   | -.00290 | .00297  | .00050  | -.03603  |
| #3     | -.00019 | -.03039 | .00143  | -.00032  | -.00315 | .00327  | .00046  | -.14213  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00103  | -.00138 | .14538  | .00060   | .00067  | .15182  | -.00023 | -.00344  |
| Stddev | .00019  | .00052  | .01465  | .00026   | .00004  | .03414  | .00028  | .00994   |
| %RSD   | 18.895  | 37.936  | 10.079  | 43.799   | 6.2296  | 22.490  | 122.82  | 288.74   |
| #1     | .00107  | -.00190 | .12933  | .00059   | .00071  | .15923  | .00003  | -.01410  |
| #2     | .00082  | -.00139 | .15803  | .00035   | .00067  | .11458  | -.00019 | -.00181  |
| #3     | .00121  | -.00085 | .14879  | .00087   | .00063  | .18165  | -.00052 | .00558   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00236 | .00622  | .00152  | F .01131 | .00274  | .0019   | -.00007 | F .62915 |
| Stddev | .00248  | .00149  | .00070  | .00223   | .00101  | .0014   | .00009  | .11992   |
| %RSD   | 104.94  | 23.963  | 45.967  | 19.757   | 37.021  | 73.07   | 126.65  | 19.060   |
| #1     | -.00477 | .00611  | .00170  | .01375   | .00159  | .0035   | .00002  | .49164   |
| #2     | -.00251 | .00479  | .00212  | .01081   | .00312  | .0012   | -.00007 | .68380   |
| #3     | .00019  | .00777  | .00075  | .00937   | .00351  | .0010   | -.00015 | .71201   |

Sample Name: CCB10      Acquired: 3/28/2019 22:25:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.5532 |
| Stddev | .3969    |
| %RSD   | 25.553   |

|    |        |
|----|--------|
| #1 | 1.0977 |
| #2 | 1.7370 |
| #3 | 1.8249 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3541.2 | 40255. | 3185.3 | 45.697 | 4055.5 |
| Stddev    | 1.9    | 45.    | 25.0   | .625   | 6.6    |
| %RSD      | .05499 | .11096 | .78592 | 1.3679 | .16175 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3539.0 | 40229. | 3191.3 | 46.317 | 4049.3 |
| #2 | 3542.8 | 40228. | 3206.7 | 45.708 | 4062.4 |
| #3 | 3541.6 | 40306. | 3157.8 | 45.067 | 4054.8 |

Sample Name: K2124-04DUP      Acquired: 3/28/2019 22:29:50      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2DUP      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |        |         |        |        |         |
|--------|----------|---------|---------|--------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00166   | .00089  | .00122  | .00374 | -.00179 | .18643 | .01051 | .00002  |
| Stddev | .00085   | .00022  | .00086  | .00068 | .00031  | .01874 | .00026 | .00003  |
| %RSD   | 51.030   | 24.862  | 70.356  | 18.237 | 17.209  | 10.050 | 2.4367 | 175.03  |
| #1     | .00078   | .00066  | .00110  | .00336 | -.00195 | .18706 | .01047 | .00005  |
| #2     | .00248   | .00090  | .00043  | .00334 | -.00198 | .20485 | .01078 | -.00002 |
| #3     | .00173   | .00110  | .00213  | .00453 | -.00143 | .16739 | .01028 | .00003  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00016  | 46.508  | .00841  | .00076 | .00293  | .42335 | .23954 | 9.6882  |
| Stddev | .00003   | .133    | .00041  | .00016 | .00042  | .00133 | .00108 | .0485   |
| %RSD   | 17.403   | .28614  | 4.8891  | 20.847 | 14.388  | .31505 | .45244 | .50031  |
| #1     | -.00019  | 46.483  | .00886  | .00086 | .00244  | .42184 | .23830 | 9.7160  |
| #2     | -.00014  | 46.651  | .00805  | .00057 | .00317  | .42387 | .24030 | 9.6322  |
| #3     | -.00015  | 46.388  | .00831  | .00084 | .00316  | .42435 | .24002 | 9.7164  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00435   | -.00291 | 25.906  | .00200 | .04208  | 7.6221 | .00077 | .07598  |
| Stddev | .00040   | .00047  | .147    | .00033 | .00030  | .0668  | .00032 | .02680  |
| %RSD   | 9.3169   | 15.968  | .56570  | 16.728 | .70326  | .87634 | 41.840 | 35.277  |
| #1     | .00472   | -.00292 | 25.749  | .00233 | .04185  | 7.5467 | .00072 | .04570  |
| #2     | .00391   | -.00337 | 26.040  | .00167 | .04198  | 7.6741 | .00111 | .09664  |
| #3     | .00441   | -.00244 | 25.929  | .00200 | .04241  | 7.6454 | .00047 | .08561  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 13.087 | 4.7241  | -.00392 | .01748 | .00679  | .0125  | .26319 | 1.5698  |
| Stddev | .097     | .0301   | .00011  | .00125 | .00264  | .0019  | .00244 | .2518   |
| %RSD   | .74161   | .63643  | 2.8484  | 7.1335 | 38.934  | 15.07  | .92823 | 16.041  |
| #1     | 13.006   | 4.7524  | -.00390 | .01880 | .00393  | .0141  | .26513 | 1.6128  |
| #2     | 13.061   | 4.7273  | -.00382 | .01633 | .00729  | .0129  | .26399 | 1.7974  |
| #3     | 13.195   | 4.6925  | -.00404 | .01732 | .00914  | .0104  | .26045 | 1.2993  |

Sample Name: K2124-04DUP      Acquired: 3/28/2019 22:29:50      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-2DUP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8324 |
| Stddev | 2.3464 |
| %RSD   | 82.841 |

|    |        |
|----|--------|
| #1 | .26905 |
| #2 | 3.3542 |
| #3 | 4.8740 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3437.1 | 39745. | 3191.7 | 44.610 | 3828.1 |
| Stddev    | 3.6    | 189.   | 29.3   | 1.636  | 14.3   |
| %RSD      | .10404 | .47466 | .91726 | 3.6685 | .37327 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3441.2 | 39879. | 3162.6 | 46.451 | 3844.6 |
| #2 | 3434.6 | 39529. | 3191.3 | 44.060 | 3820.7 |
| #3 | 3435.4 | 39827. | 3221.1 | 43.319 | 3819.0 |

Sample Name: K2124-04LX5      Acquired: 3/28/2019 22:34:14      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00069 | .00050 | -.00217 | .00205 | -.00089 | .01606 | .00108 | .00006 |
| Stddev | .00191 | .00044 | .00140  | .00278 | .00065  | .01056 | .00084 | .00001 |
| %RSD   | 275.45 | 87.677 | 64.369  | 135.77 | 72.974  | 65.764 | 78.133 | 24.195 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00268  | -.00001 | -.00322 | .00358  | -.00164 | .01851 | .00058 | .00006 |
| #2 | .00052  | .00073  | -.00271 | .00372  | -.00062 | .00449 | .00060 | .00004 |
| #3 | -.00113 | .00077  | -.00058 | -.00116 | -.00042 | .02519 | .00205 | .00007 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00015 | 9.6777 | .00255 | .00017 | -.00177 | .09030 | .05122 | 1.9146 |
| Stddev | .00003  | .1263  | .00054 | .00024 | .00040  | .00041 | .00030 | .0389  |
| %RSD   | 16.676  | 1.3050 | 21.173 | 136.62 | 22.788  | .45099 | .57862 | 2.0304 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00018 | 9.5986 | .00203 | .00044 | -.00223 | .09075 | .05100 | 1.9380 |
| #2 | -.00013 | 9.6112 | .00252 | .00001 | -.00145 | .09020 | .05156 | 1.8697 |
| #3 | -.00015 | 9.8234 | .00310 | .00007 | -.00164 | .08996 | .05111 | 1.9361 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00157 | -.00180 | 5.3901 | .00068 | .01051 | 1.6625 | -.00038 | .03141 |
| Stddev | .00043 | .00040  | .0128  | .00031 | .00010 | .0294  | .00030  | .01915 |
| %RSD   | 27.156 | 22.196  | .23709 | 46.242 | .98707 | 1.7699 | 80.353  | 60.972 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00146 | -.00176 | 5.4014 | .00073 | .01051 | 1.6949 | -.00010 | .03015 |
| #2 | .00204 | -.00223 | 5.3762 | .00034 | .01061 | 1.6550 | -.00034 | .01293 |
| #3 | .00121 | -.00143 | 5.3926 | .00096 | .01040 | 1.6375 | -.00070 | .05117 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.6965 | 1.0151 | -.00188 | .01234 | .00114 | .0045  | .05479 | <.00000 |
| Stddev | .0052  | .0116  | .00007  | .00098 | .00059 | .0010  | .00071 | .23983  |
| %RSD   | .19160 | 1.1408 | 3.5449  | 7.9790 | 52.121 | 22.24  | 1.2973 | 351.78  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 2.6952 | 1.0105 | -.00185 | .01127 | .00125 | .0056 | .05470 | .07162  |
| #2 | 2.7022 | 1.0066 | -.00183 | .01255 | .00050 | .0036 | .05412 | -.34511 |
| #3 | 2.6922 | 1.0283 | -.00196 | .01320 | .00167 | .0044 | .05554 | .06896  |

Sample Name: K2124-04LX5      Acquired: 3/28/2019 22:34:14      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.2490 |
| Stddev | .2435  |
| %RSD   | 19.492 |

|    |        |
|----|--------|
| #1 | 1.4203 |
| #2 | .97028 |
| #3 | 1.3563 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3549.9 | 40690. | 3210.3 | 46.172 | 4016.1 |
| Stddev    | 6.8    | 45.    | 31.9   | 2.033  | 7.4    |
| %RSD      | .19050 | .11157 | .99442 | 4.4034 | .18543 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3556.6 | 40664. | 3233.5 | 48.383 | 4023.1 |
| #2 | 3543.0 | 40664. | 3223.5 | 45.750 | 4017.1 |
| #3 | 3550.0 | 40742. | 3173.9 | 44.383 | 4008.3 |

Sample Name: K2124-04MS      Acquired: 3/28/2019 22:38:40      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75625 | 1.8642 | .90491 | 1.8743 | .79242 | 2.1199 | .20682 |
| Stddev | .00252 | .0023  | .00162 | .0065  | .00324 | .0174  | .00212 |
| %RSD   | .33281 | .12310 | .17877 | .34499 | .40888 | .82135 | 1.0240 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75855 | 1.8627 | .90660 | 1.8783 | .79615 | 2.1010 | .20723 |
| #2 | .75356 | 1.8630 | .90474 | 1.8779 | .79074 | 2.1353 | .20871 |
| #3 | .75663 | 1.8668 | .90338 | 1.8669 | .79036 | 2.1233 | .20453 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19147 | .18147 | 45.383 | .40014 | .19109 | .29577 | 3.3193 |
| Stddev | .00041 | .00049 | .331   | .00170 | .00014 | .00066 | .0050  |
| %RSD   | .21652 | .27091 | .73011 | .42586 | .07265 | .22258 | .14963 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19193 | .18203 | 45.457 | .39869 | .19105 | .29652 | 3.3251 |
| #2 | .19111 | .18128 | 45.021 | .40202 | .19098 | .29529 | 3.3164 |
| #3 | .19139 | .18110 | 45.672 | .39972 | .19125 | .29549 | 3.3165 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42213 | 11.305 | .47752 | .06579 | 27.665 | .30468 | .21309 |
| Stddev | .00020 | .049   | .00216 | .00067 | .183   | .00298 | .00052 |
| %RSD   | .04729 | .43369 | .45174 | 1.0247 | .66166 | .97737 | .24217 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42191 | 11.345 | .47980 | .06504 | 27.684 | .30135 | .21360 |
| #2 | .42229 | 11.250 | .47724 | .06636 | 27.837 | .30708 | .21310 |
| #3 | .42219 | 11.320 | .47551 | .06596 | 27.473 | .30561 | .21257 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 16.984 | .39243 | .35122 | F 12.577 | 5.3201 | .65473 | .20889 |
| Stddev | .262   | .00173 | .02061 | .019     | .0272  | .00287 | .00112 |
| %RSD   | 1.5408 | .44158 | 5.8691 | .14990   | .51181 | .43808 | .53795 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.138 | .39434 | .34488 | 12.586 | 5.3076 | .65632 | .21016 |
| #2 | 17.132 | .39198 | .33451 | 12.589 | 5.3014 | .65645 | .20802 |
| #3 | 16.682 | .39096 | .37425 | 12.555 | 5.3513 | .65142 | .20850 |



Sample Name: K2124-04MS      Acquired: 3/28/2019 22:38:40      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MS      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20001 | 5.322  | .43372 | 1.2755 | F<.00000 |
| Stddev    | .00093 | .019   | .00045 | .4685  | 1.6717   |
| %RSD      | .46472 | .3616  | .10461 | 36.732 | 23.302   |
| #1        | .19999 | 5.341  | .43362 | 1.7313 | -7.8339  |
| #2        | .20095 | 5.323  | .43422 | 1.2999 | -8.4147  |
| #3        | .19909 | 5.302  | .43332 | .79523 | -5.2729  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3495.6 | 40284. | 3273.0 | 46.063 | 3848.8   |
| Stddev    | 13.0   | 99.    | 14.0   | .491   | 7.9      |
| %RSD      | .37054 | .24590 | .42623 | 1.0656 | .20565   |
| #1        | 3481.1 | 40218. | 3278.0 | 46.629 | 3839.9   |
| #2        | 3499.7 | 40237. | 3283.8 | 45.751 | 3851.4   |
| #3        | 3506.0 | 40398. | 3257.3 | 45.809 | 3855.1   |

Sample Name: K2124-04MSD      Acquired: 3/28/2019 22:42:47      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76632 | 1.8874 | .91596 | 1.8831 | .80047 | 2.1384 | .20729 |
| Stddev | .00306 | .0013  | .00179 | .0029  | .00282 | .0306  | .00195 |
| %RSD   | .39893 | .06707 | .19563 | .15621 | .35251 | 1.4321 | .94088 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76433 | 1.8859 | .91558 | 1.8859 | .79796 | 2.1629 | .20940 |
| #2 | .76479 | 1.8880 | .91791 | 1.8801 | .79992 | 2.1041 | .20690 |
| #3 | .76984 | 1.8882 | .91439 | 1.8832 | .80352 | 2.1481 | .20556 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19318 | .18411 | 45.830 | .40526 | .19332 | .29849 | 3.3592 |
| Stddev | .00027 | .00033 | .098   | .00130 | .00015 | .00131 | .0111  |
| %RSD   | .13823 | .17914 | .21358 | .32056 | .08001 | .44047 | .33110 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19294 | .18396 | 45.721 | .40401 | .19319 | .29873 | 3.3720 |
| #2 | .19314 | .18389 | 45.909 | .40661 | .19349 | .29707 | 3.3517 |
| #3 | .19347 | .18449 | 45.862 | .40517 | .19329 | .29967 | 3.3539 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .42685 | 11.215 | .48375 | .06519 | 27.732 | .30410 | .21626 |
| Stddev | .00052 | .097   | .00015 | .00105 | .060   | .00082 | .00041 |
| %RSD   | .12105 | .86373 | .03032 | 1.6130 | .21771 | .26981 | .19151 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .42721 | 11.296 | .48378 | .06423 | 27.771 | .30331 | .21607 |
| #2 | .42708 | 11.108 | .48388 | .06503 | 27.663 | .30406 | .21597 |
| #3 | .42626 | 11.241 | .48359 | .06631 | 27.764 | .30494 | .21674 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 16.954 | .39708 | .36130 | F 12.712 | 5.4637 | .66429 | .21173 |
| Stddev | .119   | .00139 | .00915 | .013     | .0544  | .00074 | .00314 |
| %RSD   | .70000 | .35085 | 2.5312 | .10538   | .99471 | .11181 | 1.4839 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.023 | .39600 | .35864 | 12.710 | 5.4093 | .66348 | .20810 |
| #2 | 16.817 | .39658 | .35378 | 12.727 | 5.5180 | .66448 | .21366 |
| #3 | 17.023 | .39865 | .37148 | 12.700 | 5.4639 | .66492 | .21341 |

Sample Name: K2124-04MSD      Acquired: 3/28/2019 22:42:47      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20194 | 5.380  | .43753 | 1.4054 | F<.00000 |
| Stddev | .00037 | .001   | .00279 | .4272  | .73664   |
| %RSD   | .18390 | .0201  | .63775 | 30.396 | 10.726   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20233 | 5.379 | .43647 | 1.0833 | -7.5673 |
| #2 | .20190 | 5.381 | .44070 | 1.2429 | -6.9365 |
| #3 | .20159 | 5.380 | .43544 | 1.8900 | -6.0989 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3469.0 | 40005. | 3203.4 | 45.243 | 3809.7 |
| Stddev    | 1.6    | 15.    | 24.6   | 1.032  | 5.1    |
| %RSD      | .04681 | .03649 | .76873 | 2.2803 | .13448 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3467.2 | 39990. | 3221.5 | 46.072 | 3814.8 |
| #2 | 3469.5 | 40007. | 3175.3 | 45.569 | 3804.6 |
| #3 | 3470.4 | 40019. | 3213.4 | 44.087 | 3809.6 |

Sample Name: K2124-04A      Acquired: 3/28/2019 22:46:54      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .78283 | 1.9346 | .93785 | 1.9393 | .81285 | 2.1880 | .21182 |
| Stddev | .00719 | .0127  | .00751 | .0078  | .00185 | .0319  | .00251 |
| %RSD   | .91812 | .65672 | .80038 | .40444 | .22793 | 1.4572 | 1.1871 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77713 | 1.9218 | .92948 | 1.9328 | .81087 | 2.1537 | .21073 |
| #2 | .79091 | 1.9472 | .94399 | 1.9480 | .81454 | 2.2167 | .21470 |
| #3 | .78047 | 1.9350 | .94008 | 1.9370 | .81314 | 2.1936 | .21004 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19762 | .18865 | 46.825 | .41507 | .19745 | .30544 | 3.4412 |
| Stddev | .00068 | .00109 | .203   | .00144 | .00129 | .00128 | .0138  |
| %RSD   | .34500 | .57741 | .43289 | .34619 | .65537 | .41922 | .40134 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19721 | .18747 | 47.023 | .41393 | .19620 | .30466 | 3.4327 |
| #2 | .19725 | .18962 | 46.834 | .41460 | .19879 | .30692 | 3.4337 |
| #3 | .19841 | .18887 | 46.618 | .41669 | .19737 | .30475 | 3.4571 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .43672 | 11.590 | .49507 | .06621 | 28.435 | .31249 | .21969 |
| Stddev | .00140 | .103   | .00226 | .00070 | .043   | .00149 | .00185 |
| %RSD   | .31956 | .89082 | .45691 | 1.0607 | .15019 | .47693 | .83992 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .43656 | 11.668 | .49259 | .06699 | 28.387 | .31408 | .21757 |
| #2 | .43542 | 11.630 | .49702 | .06564 | 28.449 | .31113 | .22068 |
| #3 | .43819 | 11.473 | .49559 | .06599 | 28.469 | .31225 | .22083 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 17.178 | .40323 | .36266 | F 13.070 | 5.5540 | .67563 | .21616 |
| Stddev | .113   | .00167 | .01262 | .075     | .0495  | .00527 | .00427 |
| %RSD   | .66000 | .41490 | 3.4806 | .57688   | .89129 | .78013 | 1.9750 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.293 | .40135 | .35280 | 12.990 | 5.5867 | .66955 | .22093 |
| #2 | 17.066 | .40453 | .35829 | 13.140 | 5.4970 | .67829 | .21270 |
| #3 | 17.176 | .40383 | .37689 | 13.080 | 5.5782 | .67903 | .21485 |

Sample Name: K2124-04A      Acquired: 3/28/2019 22:46:54      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20642 | 5.528  | .44829 | 2.0602 | F<.00000 |
| Stddev    | .00039 | .029   | .00370 | .1479  | .58653   |
| %RSD      | .18895 | .5267  | .82518 | 7.1808 | 8.2094   |
| #1        | .20600 | 5.497  | .45241 | 2.0905 | -6.4675  |
| #2        | .20676 | 5.554  | .44525 | 2.1907 | -7.4966  |
| #3        | .20651 | 5.534  | .44722 | 1.8995 | -7.4698  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3472.2 | 39995. | 3214.4 | 44.439 | 3812.8   |
| Stddev    | 3.1    | 57.    | 21.8   | .550   | 9.6      |
| %RSD      | .09048 | .14158 | .67920 | 1.2372 | .25124   |
| #1        | 3469.3 | 39935. | 3189.7 | 44.917 | 3823.9   |
| #2        | 3471.9 | 40000. | 3231.0 | 44.561 | 3808.0   |
| #3        | 3475.5 | 40048. | 3222.5 | 43.838 | 3806.6   |

Sample Name: K1697-13      Acquired: 3/28/2019 22:51:00      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .05180 | -.01748 | .14059 | .08422 | -.00431 | 108.28 | .48614 |
| Stddev | .00078 | .00160  | .00057 | .00218 | .00322  | .39    | .00336 |
| %RSD   | 1.5008 | 9.1291  | .40522 | 2.5852 | 74.754  | .35676 | .69138 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05269 | -.01693 | .14012 | .08398 | -.00174 | 108.71 | .48928 |
| #2 | .05127 | -.01624 | .14122 | .08650 | -.00327 | 107.96 | .48259 |
| #3 | .05144 | -.01928 | .14043 | .08216 | -.00793 | 108.18 | .48655 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01022 | .00327 | 54.533 | .17045 | .14434 | .52225 | 230.30 |
| Stddev | .00008  | .00027 | .266   | .00080 | .00025 | .00235 | .67    |
| %RSD   | .76488  | 8.1302 | .48694 | .46734 | .17657 | .45068 | .29160 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01015 | .00350 | 54.269 | .16977 | .14427 | .52470 | 231.06 |
| #2 | -.01021 | .00298 | 54.801 | .17025 | .14463 | .52000 | 230.06 |
| #3 | -.01030 | .00333 | 54.530 | .17133 | .14413 | .52205 | 229.79 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.7846 | 45.927 | .16455 | -.03257 | 4.3151 | .39925 | .63405 |
| Stddev | .0218  | .412   | .00059 | .00053  | .0642  | .00217 | .00171 |
| %RSD   | .45533 | .89733 | .35848 | 1.6220  | 1.4876 | .54357 | .26926 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.8097 | 46.396 | .16425 | -.03285 | 4.3873 | .39936 | .63212 |
| #2 | 4.7716 | 45.766 | .16523 | -.03290 | 4.2938 | .40136 | .63464 |
| #3 | 4.7724 | 45.620 | .16416 | -.03196 | 4.2643 | .39703 | .63538 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.445 | .00129 | .03387 | 3.8722 | 3.1607 | .01476 | 4.6797 |
| Stddev | .074   | .00036 | .00952 | .0083  | .0132  | .00175 | .0255  |
| %RSD   | .64562 | 28.125 | 28.118 | .21418 | .41806 | 11.828 | .54403 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.525 | .00098 | .04136 | 3.8626 | 3.1563 | .01350 | 4.6809 |
| #2 | 11.380 | .00121 | .03709 | 3.8775 | 3.1755 | .01676 | 4.7045 |
| #3 | 11.431 | .00169 | .02315 | 3.8765 | 3.1502 | .01403 | 4.6536 |

Sample Name: K1697-13      Acquired: 3/28/2019 22:51:00      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .12280 | F 10.58 | -.10896 | <.00000 | F<.00000 |
| Stddev    | .00009 | .01     | .00111  | .09234  | 11.219   |
| %RSD      | .07091 | .1346   | 1.0189  | .59404  | 1.8223   |
| #1        | .12273 | 10.58   | -.11018 | -15.627 | -628.53  |
| #2        | .12290 | 10.56   | -.10801 | -15.563 | -609.99  |
| #3        | .12277 | 10.59   | -.10868 | -15.445 | -608.31  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4472.2 | 51519.  | 4256.8  | 43.886  | 3571.3   |
| Stddev    | 7.6    | 135.    | 36.2    | 2.612   | 3.9      |
| %RSD      | .17008 | .26234  | .84948  | 5.9514  | .10948   |
| #1        | 4463.4 | 51363.  | 4287.4  | 44.213  | 3575.9   |
| #2        | 4476.6 | 51599.  | 4216.9  | 41.126  | 3569.0   |
| #3        | 4476.5 | 51595.  | 4266.1  | 46.318  | 3569.2   |

Sample Name: K1697-13DUP      Acquired: 3/28/2019 22:55:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .05320 | -.01789 | .14433 | .08406 | -.00489 | 108.63 | .49271 |
| Stddev | .00262 | .00147  | .00354 | .00384 | .00175  | .41    | .00078 |
| %RSD   | 4.9308 | 8.2274  | 2.4548 | 4.5705 | 35.865  | .37554 | .15816 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05483 | -.01924 | .14616 | .08841 | -.00330 | 108.58 | .49226 |
| #2 | .05458 | -.01632 | .14658 | .08114 | -.00677 | 108.25 | .49226 |
| #3 | .05017 | -.01812 | .14024 | .08264 | -.00460 | 109.06 | .49361 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00997 | .00309 | 54.453 | .17221 | .14566 | .52818 | 232.01 |
| Stddev | .00002  | .00039 | .167   | .00046 | .00135 | .00270 | .64    |
| %RSD   | .23677  | 12.507 | .30632 | .26842 | .92594 | .51100 | .27739 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00998 | .00312 | 54.645 | .17191 | .14555 | .52729 | 231.46 |
| #2 | -.00999 | .00346 | 54.369 | .17198 | .14706 | .53121 | 231.87 |
| #3 | -.00995 | .00269 | 54.345 | .17275 | .14437 | .52604 | 232.72 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.7799 | 46.062 | .16556 | -.03247 | 4.3484 | .40342 | .63687 |
| Stddev | .0186  | .760   | .00104 | .00056  | .0380  | .00439 | .00425 |
| %RSD   | .38920 | 1.6493 | .63002 | 1.7254  | .87371 | 1.0891 | .66671 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.8001 | 46.125 | .16440 | -.03183 | 4.3496 | .39908 | .63865 |
| #2 | 4.7760 | 45.273 | .16643 | -.03269 | 4.3098 | .40787 | .63994 |
| #3 | 4.7635 | 46.788 | .16584 | -.03289 | 4.3858 | .40332 | .63202 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.518 | .00118 | .03926 | 3.9070 | 3.1525 | .01595 | 4.6978 |
| Stddev | .097   | .00005 | .02021 | .0412  | .0093  | .00226 | .0126  |
| %RSD   | .84188 | 4.2261 | 51.472 | 1.0538 | .29566 | 14.144 | .26809 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.474 | .00122 | .02714 | 3.9097 | 3.1633 | .01538 | 4.7104 |
| #2 | 11.450 | .00120 | .06259 | 3.9467 | 3.1472 | .01843 | 4.6979 |
| #3 | 11.629 | .00113 | .02804 | 3.8645 | 3.1470 | .01403 | 4.6852 |



Sample Name: K1697-13DUP      Acquired: 3/28/2019 22:55:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .12281 | F 10.59 | -.11135 | <.00000 | F<.00000 |
| Stddev    | .00105 | .10     | .00092  | .60069  | 6.2414   |
| %RSD      | .85398 | .9177   | .82309  | 4.0472  | 1.0235   |
| #1        | .12259 | 10.60   | -.11101 | -14.169 | -602.63  |
| #2        | .12396 | 10.68   | -.11066 | -15.034 | -613.83  |
| #3        | .12190 | 10.49   | -.11239 | -15.324 | -613.01  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4440.4 | 51007.  | 4245.9  | 44.035  | 3543.7   |
| Stddev    | 2.7    | 80.     | 17.8    | .804    | 20.4     |
| %RSD      | .06006 | .15698  | .41993  | 1.8266  | .57448   |
| #1        | 4438.0 | 50965.  | 4238.1  | 44.308  | 3537.6   |
| #2        | 4440.0 | 51099.  | 4233.3  | 43.129  | 3527.1   |
| #3        | 4443.3 | 50957.  | 4266.3  | 44.667  | 3566.5   |

Sample Name: K1697-13LX5      Acquired: 3/28/2019 23:00:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01555 | -.00051 | .02171 | .03110 | -.00121 | 26.959 | .12275 |
| Stddev | .00068 | .00091  | .00146 | .00351 | .00138  | .205   | .00217 |
| %RSD   | 4.3983 | 178.01  | 6.7214 | 11.289 | 113.96  | .76135 | 1.7676 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01510 | .00052  | .02064 | .02986 | -.00081 | 27.013 | .12301 |
| #2 | .01634 | -.00122 | .02337 | .03506 | -.00275 | 26.732 | .12046 |
| #3 | .01522 | -.00083 | .02111 | .02838 | -.00008 | 27.131 | .12478 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00378 | -.00248 | 14.216 | .04541 | .02935 | .13661 | 70.453 |
| Stddev | .00007  | .00014  | .071   | .00054 | .00017 | .00055 | .457   |
| %RSD   | 1.7318  | 5.5427  | .49729 | 1.1845 | .56738 | .40599 | .64832 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00385 | -.00237 | 14.147 | .04479 | .02953 | .13703 | 69.963 |
| #2 | -.00372 | -.00245 | 14.213 | .04577 | .02922 | .13682 | 70.528 |
| #3 | -.00379 | -.00264 | 14.289 | .04566 | .02928 | .13598 | 70.867 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.2804 | 11.684 | .03214 | -.00830 | 1.0899 | .10374 | .12021 |
| Stddev | .0033  | .163   | .00037 | .00054  | .0192  | .00091 | .00017 |
| %RSD   | .25902 | 1.3970 | 1.1374 | 6.4989  | 1.7570 | .87761 | .14064 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.2786 | 11.840 | .03198 | -.00779 | 1.1115 | .10269 | .12041 |
| #2 | 1.2784 | 11.697 | .03188 | -.00886 | 1.0832 | .10429 | .12011 |
| #3 | 1.2843 | 11.514 | .03256 | -.00824 | 1.0751 | .10425 | .12012 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.9231 | -.00001 | .03255 | .78198 | .85092 | .00172 | 1.2278 |
| Stddev | .0197  | .00020  | .03679 | .00703 | .01028 | .00053 | .0015  |
| %RSD   | .67244 | 1516.4  | 113.01 | .89932 | 1.2079 | 30.607 | .12004 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 2.9457 | .00021  | .07477 | .78606 | .84939 | .00219 | 1.2263 |
| #2 | 2.9103 | -.00009 | .00734 | .78603 | .84149 | .00115 | 1.2293 |
| #3 | 2.9133 | -.00015 | .01555 | .77386 | .86188 | .00180 | 1.2277 |

Sample Name: K1697-13LX5      Acquired: 3/28/2019 23:00:11      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .02961 | 2.129  | -.04074 | <.00000 | F<.00000 |
| Stddev    | .00025 | .005   | .00083  | .49047  | 2.2284   |
| %RSD      | .85850 | .2301  | 2.0421  | 21.511  | 2.8540   |
| #1        | .02937 | 2.133  | -.03978 | -1.7800 | -75.922  |
| #2        | .02959 | 2.129  | -.04110 | -2.3000 | -80.372  |
| #3        | .02987 | 2.124  | -.04133 | -2.7603 | -77.941  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3716.7 | 42117. | 3388.3  | 43.800  | 3839.0   |
| Stddev    | 5.6    | 45.    | 20.5    | 2.556   | 5.3      |
| %RSD      | .14964 | .10755 | .60589  | 5.8350  | .13800   |
| #1        | 3720.5 | 42151. | 3411.6  | 46.742  | 3844.4   |
| #2        | 3710.3 | 42136. | 3372.8  | 42.125  | 3833.9   |
| #3        | 3719.2 | 42066. | 3380.6  | 42.533  | 3838.7   |

Sample Name: K1697-13MS      Acquired: 3/28/2019 23:04:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63193 | 1.9352 | 1.1297 | 1.5438 | .15555 | 115.63 | .68553 |
| Stddev | .00231 | .0086  | .0040  | .0079  | .00186 | .31    | .00225 |
| %RSD   | .36540 | .44422 | .34988 | .51072 | 1.1976 | .26675 | .32797 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .63204 | 1.9266 | 1.1257 | 1.5375 | .15710 | 115.82 | .68720 |
| #2 | .63419 | 1.9438 | 1.1336 | 1.5527 | .15607 | 115.27 | .68297 |
| #3 | .62957 | 1.9351 | 1.1298 | 1.5413 | .15348 | 115.79 | .68641 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .14468 | .19890 | 58.864 | .48717 | .35029 | .72056 | 224.37 |
| Stddev | .00029 | .00026 | .309   | .00113 | .00221 | .00376 | .31    |
| %RSD   | .19751 | .13138 | .52435 | .23168 | .63102 | .52122 | .13724 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .14436 | .19863 | 58.693 | .48633 | .34819 | .71642 | 224.25 |
| #2 | .14476 | .19915 | 58.679 | .48845 | .35008 | .72149 | 224.14 |
| #3 | .14491 | .19892 | 59.220 | .48672 | .35259 | .72376 | 224.72 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2068 | 48.467 | .67815 | .02307 | 6.8077 | .60373 | .83867 |
| Stddev | .0367  | .021   | .00277 | .00144 | .0433  | .00143 | .00148 |
| %RSD   | .70406 | .04301 | .40866 | 6.2612 | .63639 | .23649 | .17679 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2015 | 48.491 | .67503 | .02263 | 6.8244 | .60456 | .83700 |
| #2 | 5.1730 | 48.452 | .67908 | .02190 | 6.7585 | .60456 | .83919 |
| #3 | 5.2458 | 48.458 | .68034 | .02468 | 6.8401 | .60208 | .83983 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.696 | .28446 | .25631 | 4.1020 | 3.9716 | .66946 | 4.8255 |
| Stddev | .084   | .00141 | .01318 | .0227  | .0444  | .00358 | .0016  |
| %RSD   | .40819 | .49723 | 5.1431 | .55458 | 1.1180 | .53473 | .03265 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.636 | .28321 | .26881 | 4.0760 | 3.9508 | .66541 | 4.8264 |
| #2 | 20.659 | .28419 | .25760 | 4.1122 | 3.9413 | .67075 | 4.8265 |
| #3 | 20.792 | .28600 | .24254 | 4.1179 | 4.0225 | .67221 | 4.8237 |

Sample Name: K1697-13MS      Acquired: 3/28/2019 23:04:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .28675 | F 16.53 | .04726 | <.00000 | F<.00000 |
| Stddev    | .00201 | .04     | .00188 | .41045  | 1.0505   |
| %RSD      | .70216 | .2587   | 3.9872 | 2.8350  | .16993   |
| #1        | .28443 | 16.49   | .04590 | -14.876 | -618.65  |
| #2        | .28787 | 16.53   | .04647 | -14.056 | -617.00  |
| #3        | .28796 | 16.57   | .04941 | -14.502 | -618.95  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4496.8 | 51799.  | 4278.6 | 42.932  | 3517.3   |
| Stddev    | 6.7    | 97.     | 26.4   | 1.289   | 6.3      |
| %RSD      | .14854 | .18818  | .61605 | 3.0018  | .17815   |
| #1        | 4504.4 | 51770.  | 4301.1 | 41.941  | 3524.6   |
| #2        | 4492.3 | 51908.  | 4285.1 | 44.389  | 3513.8   |
| #3        | 4493.5 | 51720.  | 4249.6 | 42.466  | 3513.7   |

Sample Name: K1697-13MSD      Acquired: 3/28/2019 23:09:08      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63161 | 1.9167 | 1.1145 | 1.5274 | .15245 | 109.73 | .63940 |
| Stddev | .00205 | .0096  | .0030  | .0055  | .00228 | .78    | .00438 |
| %RSD   | .32421 | .49997 | .27312 | .35748 | 1.4971 | .70868 | .68531 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .63167 | 1.9071 | 1.1110 | 1.5265 | .15476 | 108.86 | .63435 |
| #2 | .63364 | 1.9167 | 1.1159 | 1.5224 | .15238 | 110.34 | .64212 |
| #3 | .62954 | 1.9262 | 1.1166 | 1.5333 | .15020 | 110.00 | .64174 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .14214 | .19645 | 55.621 | .47225 | .34621 | .73742 | 223.73 |
| Stddev | .00039 | .00011 | .185   | .00186 | .00044 | .00280 | 1.26   |
| %RSD   | .27335 | .05652 | .33234 | .39430 | .12786 | .37937 | .56380 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .14192 | .19655 | 55.799 | .47021 | .34626 | .73645 | 223.61 |
| #2 | .14191 | .19647 | 55.633 | .47385 | .34575 | .73523 | 225.05 |
| #3 | .14259 | .19633 | 55.430 | .47269 | .34663 | .74057 | 222.54 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7582 | 44.671 | .68378 | .02345 | 6.6479 | .61183 | .82821 |
| Stddev | .0116  | .432   | .00245 | .00114 | .0245  | .00062 | .00108 |
| %RSD   | .24334 | .96666 | .35827 | 4.8474 | .36777 | .10102 | .13085 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.7533 | 44.183 | .68096 | .02215 | 6.6204 | .61226 | .82748 |
| #2 | 4.7714 | 44.825 | .68528 | .02390 | 6.6562 | .61112 | .82946 |
| #3 | 4.7499 | 45.004 | .68511 | .02429 | 6.6671 | .61211 | .82769 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.338 | .27954 | .25491 | 5.3283 | 3.3131 | .65505 | 4.6313 |
| Stddev | .095   | .00067 | .01102 | .0326  | .0130  | .00704 | .0047  |
| %RSD   | .49345 | .24083 | 4.3244 | .61183 | .39290 | 1.0751 | .10072 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 19.229 | .27883 | .24240 | 5.2952 | 3.3178 | .64740 | 4.6330 |
| #2 | 19.378 | .27960 | .26319 | 5.3294 | 3.3231 | .65647 | 4.6260 |
| #3 | 19.406 | .28017 | .25914 | 5.3604 | 3.2983 | .66127 | 4.6349 |

Sample Name: K1697-13MSD      Acquired: 3/28/2019 23:09:08      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .28080 | F 16.85 | .03738 | <.00000 | F<.00000 |
| Stddev    | .00110 | .08     | .00110 | .49625  | 5.7728   |
| %RSD      | .39005 | .4553   | 2.9396 | 3.4126  | .92178   |
| #1        | .28176 | 16.76   | .03833 | -15.075 | -632.18  |
| #2        | .27961 | 16.91   | .03618 | -14.458 | -625.97  |
| #3        | .28103 | 16.87   | .03765 | -14.093 | -620.65  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4520.0 | 51919.  | 4277.7 | 43.984  | 3539.3   |
| Stddev    | 11.0   | 194.    | 31.1   | .983    | 6.7      |
| %RSD      | .24333 | .37323  | .72671 | 2.2345  | .18821   |
| #1        | 4507.5 | 52040.  | 4252.3 | 42.914  | 3532.2   |
| #2        | 4527.9 | 51695.  | 4268.5 | 44.846  | 3540.2   |
| #3        | 4524.7 | 52020.  | 4312.4 | 44.191  | 3545.4   |

Sample Name: CCV11      Acquired: 3/28/2019 23:13:37      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9420 | 4.9749 | 4.8403 | 5.0273 | 4.9782 | 9.8269 | 9.8398 | .25294   |
| Stddev | .0190  | .0188  | .0045  | .0212  | .0128  | .0237  | .0219  | .00062   |
| %RSD   | .38428 | .37758 | .09271 | .42232 | .25751 | .24149 | .22248 | .24500   |
| #1     | 4.9451 | 4.9911 | 4.8429 | 5.0422 | 4.9926 | 9.8193 | 9.8307 | .25225   |
| #2     | 4.9593 | 4.9543 | 4.8351 | 5.0366 | 4.9738 | 9.8535 | 9.8648 | .25345   |
| #3     | 4.9217 | 4.9794 | 4.8429 | 5.0030 | 4.9681 | 9.8079 | 9.8240 | .25312   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4464 | 24.880 | 1.0049 | 2.4641 | 1.2403 | 5.0011 | 2.5154 | 24.005   |
| Stddev | .0031  | .075   | .0010  | .0032  | .0035  | .0060  | .0022  | .080     |
| %RSD   | .12542 | .30157 | .10352 | .12997 | .28358 | .11931 | .08801 | .33205   |
| #1     | 2.4492 | 24.820 | 1.0049 | 2.4633 | 1.2432 | 5.0080 | 2.5132 | 23.967   |
| #2     | 2.4431 | 24.855 | 1.0039 | 2.4614 | 1.2412 | 4.9982 | 2.5177 | 23.952   |
| #3     | 2.4468 | 24.964 | 1.0060 | 2.4677 | 1.2364 | 4.9972 | 2.5152 | 24.097   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4763 | 1.2293 | 23.877 | 2.4952 | 2.4634 | 24.829 | 4.9291 | 5.0468   |
| Stddev | .0023  | .0044  | .023   | .0052  | .0044  | .098   | .0101  | .0347    |
| %RSD   | .09468 | .35878 | .09706 | .20772 | .18027 | .39343 | .20459 | .68658   |
| #1     | 2.4785 | 1.2248 | 23.861 | 2.4926 | 2.4679 | 24.783 | 4.9388 | 5.0138   |
| #2     | 2.4738 | 1.2293 | 23.904 | 2.5011 | 2.4590 | 24.942 | 4.9300 | 5.0829   |
| #3     | 2.4767 | 1.2337 | 23.867 | 2.4918 | 2.4634 | 24.764 | 4.9187 | 5.0436   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9034 | 5.1651 | 4.8840 | 5.0143 | 4.8945 | 4.918  | 4.9966 | F 2.8211 |
| Stddev | .0055  | .0157  | .0123  | .0192  | .0165  | .018   | .0100  | .5263    |
| %RSD   | .11300 | .30291 | .25135 | .38323 | .33744 | .3645  | .19964 | 18.657   |
| #1     | 4.9017 | 5.1550 | 4.8874 | 5.0178 | 4.8755 | 4.938  | 4.9852 | 3.0269   |
| #2     | 4.8989 | 5.1573 | 4.8703 | 4.9936 | 4.9052 | 4.903  | 5.0037 | 3.2134   |
| #3     | 4.9096 | 5.1832 | 4.8941 | 5.0315 | 4.9028 | 4.913  | 5.0008 | 2.2230   |



Sample Name: CCV11      Acquired: 3/28/2019 23:13:37      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.2330 |
| Stddev | 1.1279   |
| %RSD   | 50.511   |

|    |        |
|----|--------|
| #1 | 1.0123 |
| #2 | 3.2366 |
| #3 | 2.4501 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3397.1 | 38454. | 3112.9 | 42.486 | 3621.1 |
| Stddev    | 10.4   | 205.   | 6.8    | 1.647  | 7.4    |
| %RSD      | .30754 | .53369 | .21715 | 3.8774 | .20486 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3387.4 | 38328. | 3107.8 | 43.522 | 3612.8 |
| #2 | 3395.7 | 38344. | 3110.2 | 40.586 | 3626.9 |
| #3 | 3408.1 | 38691. | 3120.6 | 43.349 | 3623.6 |

Sample Name: CCB11      Acquired: 3/28/2019 23:17:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00173  | .00210  | -.00216 | .00337  | .00025  | -.01887 | -.00003 | .00001   |
| Stddev | .00322  | .00019  | .00098  | .00289  | .00078  | .01514  | .00091  | .00006   |
| %RSD   | 186.43  | 9.1026  | 45.284  | 85.823  | 312.25  | 80.243  | 3102.1  | 489.18   |
| #1     | .00302  | .00219  | -.00118 | .00604  | .00115  | -.02243 | .00046  | -.00004  |
| #2     | .00410  | .00188  | -.00313 | .00029  | -.00030 | -.00226 | .00052  | -.00001  |
| #3     | -.00194 | .00224  | -.00216 | .00378  | -.00009 | -.03191 | -.00107 | .00008   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00015 | -.00908 | .00144  | .00001  | -.00270 | .00284  | .00067  | -.01165  |
| Stddev | .00005  | .02590  | .00038  | .00008  | .00043  | .00048  | .00002  | .06862   |
| %RSD   | 33.076  | 285.10  | 26.212  | 601.67  | 16.118  | 16.851  | 2.3460  | 589.15   |
| #1     | -.00019 | -.01767 | .00183  | -.00008 | -.00250 | .00288  | .00068  | .06226   |
| #2     | -.00010 | -.02959 | .00141  | .00006  | -.00320 | .00330  | .00065  | -.07335  |
| #3     | -.00017 | .02002  | .00107  | .00005  | -.00240 | .00234  | .00068  | -.02385  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00065  | -.00183 | .03746  | -.00019 | .00085  | .19157  | -.00004 | .00977   |
| Stddev | .00050  | .00013  | .01911  | .00032  | .00006  | .05356  | .00021  | .00175   |
| %RSD   | 76.756  | 7.1102  | 51.020  | 170.66  | 6.6448  | 27.959  | 584.98  | 17.898   |
| #1     | .00008  | -.00168 | .05852  | -.00039 | .00092  | .15989  | .00001  | .00897   |
| #2     | .00085  | -.00190 | .03265  | .00018  | .00081  | .25341  | .00014  | .00856   |
| #3     | .00103  | -.00192 | .02121  | -.00037 | .00084  | .16140  | -.00027 | .01177   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00212  | .00633  | .00072  | .00899  | .00325  | .0026   | -.00008 | F .93097 |
| Stddev | .00490  | .00064  | .00036  | .00023  | .00128  | .0014   | .00007  | .08692   |
| %RSD   | 230.95  | 10.147  | 50.238  | 2.5607  | 39.447  | 53.07   | 88.850  | 9.3361   |
| #1     | -.00162 | .00672  | .00089  | .00890  | .00185  | .0023   | -.00000 | .90772   |
| #2     | .00767  | .00668  | .00097  | .00881  | .00438  | .0041   | -.00009 | 1.0271   |
| #3     | .00031  | .00559  | .00031  | .00925  | .00352  | .0014   | -.00014 | .85805   |

Sample Name: CCB11      Acquired: 3/28/2019 23:17:36      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F .16042  
 Stddev      2.2554  
 %RSD      1406.0

#1      -1.9122  
 #2      2.5625  
 #3      -.16902

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3518.2 | 39845. | 3121.6 | 44.694 | 4014.3 |
| Stddev    | 10.6   | 118.   | 20.9   | 1.132  | 5.4    |
| %RSD      | .30067 | .29495 | .66985 | 2.5321 | .13430 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3506.0 | 39880. | 3098.0 | 45.958 | 4009.8 |
| #2 | 3524.0 | 39941. | 3128.8 | 43.775 | 4013.0 |
| #3 | 3524.6 | 39714. | 3137.9 | 44.350 | 4020.3 |

Sample Name: K1697-13A      Acquired: 3/28/2019 23:22:05      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63683 | 1.9644 | 1.1353 | 1.5531 | .15361 | 113.04 | .66544 |
| Stddev | .00345 | .0038  | .0033  | .0131  | .00126 | .22    | .00167 |
| %RSD   | .54227 | .19175 | .28905 | .84198 | .81983 | .19154 | .25105 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .63346 | 1.9610 | 1.1323 | 1.5498 | .15276 | 113.14 | .66711 |
| #2 | .63666 | 1.9638 | 1.1348 | 1.5420 | .15302 | 112.79 | .66377 |
| #3 | .64036 | 1.9685 | 1.1388 | 1.5675 | .15506 | 113.18 | .66545 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .14451 | .20027 | 58.000 | .48643 | .35470 | .74131 | 227.28 |
| Stddev | .00016 | .00052 | .271   | .00296 | .00148 | .00448 | .34    |
| %RSD   | .10800 | .25956 | .46779 | .60931 | .41716 | .60388 | .14916 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .14434 | .19974 | 57.775 | .48384 | .35365 | .74115 | 227.67 |
| #2 | .14464 | .20078 | 58.301 | .48966 | .35406 | .73692 | 227.08 |
| #3 | .14455 | .20030 | 57.923 | .48578 | .35640 | .74587 | 227.09 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9767 | 47.015 | .69296 | .02332 | 6.8304 | .61249 | .84455 |
| Stddev | .0153  | .312   | .00305 | .00101 | .0254  | .00179 | .00193 |
| %RSD   | .30720 | .66407 | .43958 | 4.3155 | .37191 | .29244 | .22898 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.9944 | 47.294 | .69084 | .02229 | 6.8597 | .61329 | .84299 |
| #2 | 4.9685 | 46.677 | .69160 | .02339 | 6.8155 | .61044 | .84671 |
| #3 | 4.9673 | 47.072 | .69645 | .02430 | 6.8159 | .61374 | .84396 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 19.975 | .28435 | .24928 | 4.8635 | 3.6432 | .67377 | 4.7640 |
| Stddev | .045   | .00201 | .01810 | .0126  | .0782  | .00424 | .0156  |
| %RSD   | .22542 | .70698 | 7.2604 | .25988 | 2.1453 | .62925 | .32751 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.000 | .28353 | .23023 | 4.8593 | 3.5538 | .67245 | 4.7590 |
| #2 | 20.001 | .28288 | .26624 | 4.8535 | 3.6985 | .67035 | 4.7815 |
| #3 | 19.923 | .28664 | .25137 | 4.8777 | 3.6772 | .67851 | 4.7514 |

Sample Name: K1697-13A      Acquired: 3/28/2019 23:22:05      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .28585 | F 17.03 | .04106 | <.00000 | F<.00000 |
| Stddev    | .00079 | .03     | .00151 | .57694  | 4.8842   |
| %RSD      | .27546 | .1525   | 3.6847 | 4.1808  | .79445   |
| #1        | .28570 | 17.00   | .03936 | -13.574 | -610.00  |
| #2        | .28514 | 17.05   | .04154 | -13.370 | -614.61  |
| #3        | .28670 | 17.02   | .04227 | -14.455 | -619.77  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4494.5 | 51832.  | 4267.7 | 43.717  | 3490.0   |
| Stddev    | 6.6    | 92.     | 28.8   | 1.176   | 2.0      |
| %RSD      | .14617 | .17687  | .67449 | 2.6910  | .05713   |
| #1        | 4492.8 | 51774.  | 4284.8 | 43.715  | 3487.9   |
| #2        | 4501.8 | 51785.  | 4234.4 | 42.541  | 3491.9   |
| #3        | 4489.0 | 51938.  | 4283.8 | 44.894  | 3490.3   |

Sample Name: K1697-15      Acquired: 3/28/2019 23:26:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .04563 | -.01176 | 2.4950 | .09348 | -.00138 | 132.95 | .61707 |
| Stddev | .00114 | .00148  | .0110  | .00148 | .00341  | .69    | .00379 |
| %RSD   | 2.5040 | 12.607  | .44268 | 1.5868 | 248.25  | .51977 | .61448 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .04446 | -.01197 | 2.5078 | .09261 | -.00099 | 132.26 | .61276 |
| #2 | .04675 | -.01312 | 2.4887 | .09263 | -.00497 | 133.64 | .61991 |
| #3 | .04568 | -.01018 | 2.4886 | .09519 | .00183  | 132.96 | .61852 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01085 | .00118 | 41.560 | .22001 | .14993 | .55194 | 250.50 |
| Stddev | .00055  | .00025 | .112   | .00159 | .00054 | .00163 | 3.01   |
| %RSD   | 5.0300  | 21.550 | .27066 | .72256 | .36219 | .29510 | 1.2001 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01040 | .00140 | 41.616 | .21991 | .15034 | .55229 | 248.07 |
| #2 | -.01145 | .00090 | 41.430 | .22165 | .15014 | .55337 | 253.86 |
| #3 | -.01068 | .00125 | 41.633 | .21847 | .14932 | .55017 | 249.57 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.6369 | 44.984 | .18284 | -.03364 | 4.9080 | .52401 | .60700 |
| Stddev | .0517  | .312   | .00081 | .00070  | .0584  | .00191 | .00054 |
| %RSD   | .91790 | .69327 | .44206 | 2.0683  | 1.1903 | .36489 | .08855 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.6151 | 44.634 | .18194 | -.03326 | 4.8523 | .52305 | .60659 |
| #2 | 5.6960 | 45.086 | .18352 | -.03444 | 4.9688 | .52621 | .60761 |
| #3 | 5.5997 | 45.232 | .18306 | -.03321 | 4.9028 | .52277 | .60680 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.6720 | -.00019 | .04700 | 2.4647 | 3.7410 | .02179 | 4.4925 |
| Stddev | .0657  | .00010  | .00954 | .0210  | .0777  | .00100 | .0039  |
| %RSD   | .75774 | 54.391  | 20.307 | .85150 | 2.0773 | 4.6063 | .08601 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 8.6010 | -.00030 | .03601 | 2.4602 | 3.7811 | .02065 | 4.4900 |
| #2 | 8.7307 | -.00017 | .05178 | 2.4876 | 3.7906 | .02255 | 4.4906 |
| #3 | 8.6844 | -.00010 | .05321 | 2.4463 | 3.6515 | .02218 | 4.4970 |

Sample Name: K1697-15      Acquired: 3/28/2019 23:26:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-032719      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .12576 | 9.140  | -.13125 | <.00000 | F<.00000 |
| Stddev    | .00218 | .028   | .00396  | .68673  | 9.9140   |
| %RSD      | 1.7365 | .3018  | 3.0166  | 5.5850  | 1.5940   |
| #1        | .12681 | 9.133  | -.12821 | -11.573 | -615.06  |
| #2        | .12723 | 9.171  | -.13573 | -12.375 | -633.32  |
| #3        | .12325 | 9.117  | -.12980 | -12.940 | -617.50  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4229.7 | 48007. | 3989.5  | 41.821  | 3531.2   |
| Stddev    | 13.5   | 176.   | 21.6    | 1.122   | 7.7      |
| %RSD      | .31813 | .36729 | .54127  | 2.6828  | .21689   |
| #1        | 4234.6 | 48142. | 3965.0  | 40.526  | 3537.6   |
| #2        | 4214.5 | 47808. | 4005.7  | 42.441  | 3522.7   |
| #3        | 4240.0 | 48072. | 3997.9  | 42.497  | 3533.2   |

Sample Name: K2111-01      Acquired: 3/28/2019 23:31:10      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5(5-15)COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .04303 | -.00603 | .15641 | .06776 | -.00227 | 72.279 | .56176 |
| Stddev | .00126 | .00104  | .00154 | .00396 | .00149  | .360   | .00333 |
| %RSD   | 2.9186 | 17.246  | .98730 | 5.8459 | 65.720  | .49817 | .59311 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .04448 | -.00678 | .15785 | .06321 | -.00314 | 71.905 | .55792 |
| #2 | .04228 | -.00484 | .15478 | .06968 | -.00055 | 72.309 | .56355 |
| #3 | .04232 | -.00646 | .15659 | .07039 | -.00313 | 72.623 | .56382 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00693 | -.00279 | 24.915 | .19302 | .07629 | .49876 | 163.52 |
| Stddev | .00027  | .00025  | .044   | .00160 | .00041 | .00213 | .98    |
| %RSD   | 3.8549  | 9.0280  | .17596 | .82803 | .53297 | .42786 | .60133 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00677 | -.00250 | 24.965 | .19345 | .07664 | .50090 | 162.44 |
| #2 | -.00678 | -.00289 | 24.884 | .19124 | .07584 | .49875 | 164.35 |
| #3 | -.00724 | -.00297 | 24.895 | .19435 | .07639 | .49663 | 163.78 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4874 | 38.321 | .16507 | -.01883 | 1.9100 | .24686 | .54480 |
| Stddev | .0351  | .129   | .00024 | .00076  | .0080  | .00109 | .00118 |
| %RSD   | .63978 | .33670 | .14650 | 4.0117  | .41879 | .44020 | .21670 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.4478 | 38.259 | .16496 | -.01877 | 1.9146 | .24561 | .54604 |
| #2 | 5.5000 | 38.470 | .16535 | -.01811 | 1.9007 | .24756 | .54466 |
| #3 | 5.5145 | 38.235 | .16491 | -.01962 | 1.9146 | .24742 | .54370 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.108 | .00746 | .06292 | .42229 | 2.7843 | .01288 | 3.2100 |
| Stddev | .073   | .00044 | .01071 | .00656 | .0116  | .00060 | .0070  |
| %RSD   | .51807 | 5.8670 | 17.016 | 1.5545 | .41682 | 4.6304 | .21704 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.100 | .00764 | .05492 | .41725 | 2.7969 | .01295 | 3.2067 |
| #2 | 14.185 | .00696 | .05875 | .41990 | 2.7741 | .01345 | 3.2180 |
| #3 | 14.039 | .00778 | .07508 | .42971 | 2.7820 | .01226 | 3.2053 |



Sample Name: K2111-01      Acquired: 3/28/2019 23:31:10      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5(5-15)COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .12036 | 3.708  | -.07161 | <.00000 | F<.00000 |
| Stddev | .00075 | .013   | .00122  | .10538  | 4.1484   |
| %RSD   | .62642 | .3497  | 1.6968  | 1.8693  | 1.4959   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .12122 | 3.720 | -.07025 | -5.7588 | -273.96 |
| #2 | .11982 | 3.694 | -.07258 | -5.5823 | -276.03 |
| #3 | .12003 | 3.711 | -.07200 | -5.5708 | -281.95 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3833.3 | 43798. | 3558.8 | 45.862 | 3782.1 |
| Stddev    | 8.3    | 190.   | 10.0   | .321   | 1.4    |
| %RSD      | .21761 | .43445 | .27986 | .70071 | .03709 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3830.3 | 44018. | 3557.5 | 46.233 | 3780.8 |
| #2 | 3826.9 | 43697. | 3549.5 | 45.677 | 3783.6 |
| #3 | 3842.7 | 43680. | 3569.3 | 45.676 | 3781.9 |

Sample Name: K2111-03      Acquired: 3/28/2019 23:35:39      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S5(17-25)COM      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .02062 | -.00774 | .03621 | .06909 | -.00252 | 99.785 | .45776 |
| Stddev | .00291 | .00076  | .00049 | .00108 | .00048  | .220   | .00105 |
| %RSD   | 14.096 | 9.8699  | 1.3664 | 1.5597 | 19.095  | .22024 | .22992 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01730 | -.00817 | .03591 | .07026 | -.00240 | 99.678 | .45779 |
| #2 | .02183 | -.00685 | .03678 | .06890 | -.00210 | 99.638 | .45879 |
| #3 | .02273 | -.00818 | .03593 | .06813 | -.00304 | 100.04 | .45669 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00687 | -.00308 | 11.406 | .16398 | .08547 | .44865 | 162.17 |
| Stddev | .00018  | .00010  | .156   | .00060 | .00032 | .00088 | .27    |
| %RSD   | 2.6646  | 3.2807  | 1.3665 | .36806 | .37667 | .19722 | .16812 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00674 | -.00310 | 11.452 | .16396 | .08554 | .44833 | 162.02 |
| #2 | -.00708 | -.00297 | 11.533 | .16339 | .08575 | .44965 | 162.49 |
| #3 | -.00679 | -.00317 | 11.232 | .16460 | .08512 | .44797 | 162.01 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2030 | 40.643 | .19910 | -.02045 | 1.1729 | .26156 | .68114 |
| Stddev | .0077  | .340   | .00109 | .00067  | .0130  | .00290 | .00062 |
| %RSD   | .18279 | .83611 | .54508 | 3.2993  | 1.1087 | 1.1080 | .09167 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1966 | 40.820 | .20035 | -.01976 | 1.1720 | .26163 | .68139 |
| #2 | 4.2115 | 40.251 | .19845 | -.02111 | 1.1604 | .26442 | .68043 |
| #3 | 4.2010 | 40.857 | .19850 | -.02047 | 1.1864 | .25863 | .68160 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.947 | .00005 | .04752 | .34424 | 6.5304 | .00623 | 3.8094 |
| Stddev | .066   | .00031 | .01903 | .00085 | .1400  | .00047 | .0053  |
| %RSD   | .47072 | 643.86 | 40.047 | .24695 | 2.1436 | 7.4823 | .13973 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 13.939 | .00017  | .02609 | .34480 | 6.4879 | .00655 | 3.8034 |
| #2 | 13.886 | .00027  | .06245 | .34465 | 6.6867 | .00645 | 3.8136 |
| #3 | 14.016 | -.00030 | .05403 | .34326 | 6.4166 | .00570 | 3.8112 |

Sample Name: K2111-03      Acquired: 3/28/2019 23:35:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5(17-25)COM      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .12334 | 4.615  | -.11290 | <.00000 | F<.00000 |
| Stddev    | .00034 | .009   | .00055  | .14934  | 3.8819   |
| %RSD      | .27282 | .1859  | .48560  | 2.6328  | 1.4223   |
| #1        | .12300 | 4.606  | -.11301 | -5.8443 | -272.46  |
| #2        | .12336 | 4.617  | -.11338 | -5.5772 | -277.03  |
| #3        | .12367 | 4.623  | -.11230 | -5.5951 | -269.31  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3828.8 | 43427. | 3593.0  | 44.340  | 3697.0   |
| Stddev    | 7.2    | 68.    | 55.4    | 1.401   | 8.2      |
| %RSD      | .18838 | .15652 | 1.5425  | 3.1605  | .22151   |
| #1        | 3821.8 | 43502. | 3592.2  | 44.855  | 3689.6   |
| #2        | 3828.3 | 43370. | 3537.9  | 42.754  | 3695.7   |
| #3        | 3836.2 | 43410. | 3648.7  | 45.412  | 3705.8   |

Sample Name: K2111-05      Acquired: 3/28/2019 23:39:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S7A(4-20)COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01634 | -.00470 | .02506 | .06490 | -.00329 | 76.366 | .51494 |
| Stddev | .00088 | .00198  | .00066 | .00335 | .00064  | .186   | .00314 |
| %RSD   | 5.3929 | 42.056  | 2.6428 | 5.1564 | 19.347  | .24294 | .60916 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .01578 | -.00452 | .02453 | .06871 | -.00385 | 76.573 | .51828 |
| #2 | .01735 | -.00282 | .02485 | .06359 | -.00344 | 76.214 | .51205 |
| #3 | .01588 | -.00676 | .02580 | .06241 | -.00260 | 76.310 | .51448 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00621 | -.00318 | 25.887 | .22340 | .07833 | .40737 | 149.36 |
| Stddev | .00012  | .00013  | .075   | .00277 | .00036 | .00108 | .77    |
| %RSD   | 1.9754  | 4.0468  | .28827 | 1.2415 | .45721 | .26546 | .51329 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00635 | -.00317 | 25.829 | .22024 | .07872 | .40733 | 149.79 |
| #2 | -.00611 | -.00306 | 25.862 | .22544 | .07801 | .40631 | 148.48 |
| #3 | -.00617 | -.00332 | 25.971 | .22452 | .07827 | .40848 | 149.83 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3701 | 40.518 | .17620 | -.01696 | 3.1042 | .21626 | .43868 |
| Stddev | .0036  | .175   | .00100 | .00007  | .0155  | .00153 | .00120 |
| %RSD   | .08259 | .43261 | .56522 | .39019  | .49929 | .70835 | .27455 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3679 | 40.717 | .17630 | -.01703 | 3.0865 | .21471 | .43743 |
| #2 | 4.3742 | 40.388 | .17516 | -.01691 | 3.1155 | .21777 | .43984 |
| #3 | 4.3680 | 40.447 | .17714 | -.01693 | 3.1106 | .21629 | .43877 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.9491 | .00796 | .05476 | .19204 | 3.7404 | .00562 | 2.3789 |
| Stddev | .0485  | .00035 | .02284 | .00441 | .0387  | .00059 | .0121  |
| %RSD   | .48739 | 4.3961 | 41.714 | 2.2985 | 1.0343 | 10.511 | .50901 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.9722 | .00786 | .03619 | .18926 | 3.6957 | .00494 | 2.3653 |
| #2 | 9.9817 | .00767 | .04783 | .19713 | 3.7643 | .00600 | 2.3886 |
| #3 | 9.8934 | .00835 | .08027 | .18973 | 3.7611 | .00593 | 2.3828 |

Sample Name: K2111-05      Acquired: 3/28/2019 23:39:59      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S7A(4-20)COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .13503 | 4.967  | -.05228 | <.00000 | F<.00000 |
| Stddev | .00101 | .018   | .00109  | .34849  | 1.3786   |
| %RSD   | .75134 | .3603  | 2.0775  | 5.1563  | .56498   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .13400 | 4.971 | -.05322 | -6.7838 | -242.78 |
| #2 | .13505 | 4.947 | -.05109 | -7.0937 | -245.50 |
| #3 | .13603 | 4.983 | -.05253 | -6.3981 | -243.75 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3940.1 | 45211. | 3685.3 | 44.912 | 3703.2 |
| Stddev    | 7.5    | 136.   | 16.7   | 1.284  | 8.6    |
| %RSD      | .18983 | .30080 | .45276 | 2.8589 | .23338 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3948.3 | 45093. | 3697.5 | 44.813 | 3712.9 |
| #2 | 3938.3 | 45360. | 3692.2 | 43.681 | 3696.5 |
| #3 | 3933.7 | 45181. | 3666.3 | 46.243 | 3700.1 |

Sample Name: K2112-04      Acquired: 3/28/2019 23:44:22      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05956 | -.00300 | .50906 | .09147 | .00305 | 69.097 | .64943 |
| Stddev | .00234 | .00068  | .00407 | .00120 | .00174 | .122   | .00332 |
| %RSD   | 3.9214 | 22.762  | .79995 | 1.3129 | 56.908 | .17614 | .51131 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .05940 | -.00295 | .50446 | .09179 | .00358 | 69.237 | .65296 |
| #2 | .06197 | -.00234 | .51221 | .09247 | .00111 | 69.021 | .64637 |
| #3 | .05730 | -.00370 | .51051 | .09014 | .00447 | 69.032 | .64896 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00332 | .00026 | 214.48 | 1.8701 | .06661 | .51818 | 128.75 |
| Stddev | .00017  | .00004 | .31    | .0040  | .00042 | .00068 | .43    |
| %RSD   | 5.0557  | 15.674 | .14227 | .21332 | .62654 | .13033 | .33271 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00325 | .00022 | 214.80 | 1.8655 | .06670 | .51842 | 129.24 |
| #2 | -.00319 | .00030 | 214.47 | 1.8726 | .06615 | .51870 | 128.53 |
| #3 | -.00351 | .00025 | 214.19 | 1.8722 | .06697 | .51742 | 128.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.9412 | 43.934 | .16639 | -.01861 | 22.485 | .19192 | .99982 |
| Stddev | .0027  | .125   | .00051 | .00056  | .093   | .00087 | .00686 |
| %RSD   | .09175 | .28438 | .30565 | 2.9877  | .41470 | .45107 | .68573 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.9386 | 43.899 | .16697 | -.01887 | 22.585 | .19225 | 1.0009 |
| #2 | 2.9440 | 43.831 | .16616 | -.01899 | 22.400 | .19258 | .99250 |
| #3 | 2.9409 | 44.073 | .16604 | -.01797 | 22.468 | .19094 | 1.0061 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 19.022 | .03679 | .12104 | F 40.662 | 2.6053 | -.00083 | 2.3456 |
| Stddev | .061   | .00014 | .01257 | .257     | .0398  | .00009  | .0085  |
| %RSD   | .31912 | .38165 | 10.385 | .63092   | 1.5260 | 10.815  | .36069 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 19.090 | .03678 | .10669 | 40.708 | 2.6495 | -.00075 | 2.3526 |
| #2 | 18.974 | .03693 | .12634 | 40.386 | 2.5941 | -.00092 | 2.3479 |
| #3 | 19.002 | .03665 | .13010 | 40.893 | 2.5724 | -.00081 | 2.3362 |

Sample Name: K2112-04      Acquired: 3/28/2019 23:44:22      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .14148 | 3.629  | .47043 | <.00000 | F<.00000 |
| Stddev | .00241 | .017   | .00177 | .34666  | 1.0062   |
| %RSD   | 1.7048 | .4800  | .37524 | 21.625  | .54922   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .13996 | 3.621 | .47237 | -1.9812 | -182.76 |
| #2 | .14426 | 3.617 | .46997 | -1.5276 | -184.36 |
| #3 | .14022 | 3.649 | .46893 | -1.3003 | -182.51 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3644.4 | 41604. | 3521.5 | 44.151 | 3528.4 |
| Stddev    | 4.2    | 40.    | 10.4   | .882   | 18.9   |
| %RSD      | .11390 | .09651 | .29525 | 1.9978 | .53649 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3639.8 | 41559. | 3523.7 | 43.707 | 3522.0 |
| #2 | 3647.8 | 41616. | 3510.2 | 43.579 | 3549.6 |
| #3 | 3645.5 | 41637. | 3530.7 | 45.167 | 3513.4 |

Sample Name: K2112-06      Acquired: 3/28/2019 23:48:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .98712 | .00676 | 98.529 | .37239 | .05054 | 92.912 | 1.8555 |
| Stddev | .00465 | .00215 | .585   | .00500 | .00291 | .262   | .0008  |
| %RSD   | .47117 | 31.769 | .59333 | 1.3434 | 5.7582 | .28175 | .04582 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .99065 | .00624 | 99.131 | .37805 | .05384 | 92.660 | 1.8558 |
| #2 | .98886 | .00492 | 97.963 | .36854 | .04834 | 92.893 | 1.8545 |
| #3 | .98185 | .00911 | 98.493 | .37059 | .04943 | 93.183 | 1.8561 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00794 | .03723 | 52.640 | F 7.5035 | .31270 | 2.7147 | 266.48 |
| Stddev | .00028  | .00047 | .208   | .0073    | .00295 | .0023  | 1.26   |
| %RSD   | 3.5061  | 1.2564 | .39455 | .09705   | .94482 | .08517 | .47350 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00791 | .03777 | 52.743 | 7.5091 | .31604 | 2.7157 | 267.66 |
| #2 | -.00768 | .03700 | 52.401 | 7.5061 | .31045 | 2.7163 | 265.15 |
| #3 | -.00824 | .03692 | 52.777 | 7.4952 | .31159 | 2.7121 | 266.64 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.7259 | 45.625 | 1.1050 | .05782 | 3.3959 | .48235 | 9.6147 |
| Stddev | .0018  | .168   | .0088  | .00132 | .0257  | .00043 | .0685  |
| %RSD   | .06636 | .36713 | .79669 | 2.2911 | .75593 | .08895 | .71246 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.7240 | 45.462 | 1.1132 | .05913 | 3.3688 | .48227 | 9.6876 |
| #2 | 2.7277 | 45.616 | 1.0957 | .05649 | 3.3991 | .48197 | 9.5517 |
| #3 | 2.7259 | 45.797 | 1.1062 | .05784 | 3.4199 | .48282 | 9.6047 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.3836 | .27688 | .07774 | F 53.435 | 2.4547 | .22868 | 3.4967 |
| Stddev | .0050  | .00160 | .00668 | .418     | .0165  | .00197 | .0114  |
| %RSD   | .05282 | .57948 | 8.5904 | .78142   | .67086 | .86095 | .32691 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.3817 | .27873 | .08462 | 53.777 | 2.4732 | .23096 | 3.5018 |
| #2 | 9.3799 | .27586 | .07129 | 52.969 | 2.4418 | .22757 | 3.5047 |
| #3 | 9.3892 | .27606 | .07732 | 53.557 | 2.4491 | .22752 | 3.4836 |



Sample Name: K2112-06      Acquired: 3/28/2019 23:48:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .18570 | 9.858  | .15174 | <.00000 | F<.00000 |
| Stddev | .00023 | .099   | .00145 | .72014  | 3.2357   |
| %RSD   | .12654 | 1.004  | .95405 | 16.464  | .61047   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .18553 | 9.941 | .15031 | -5.2054 | -526.40 |
| #2 | .18597 | 9.749 | .15170 | -3.9450 | -531.07 |
| #3 | .18562 | 9.885 | .15320 | -3.9717 | -532.62 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3582.5 | 41431. | 3435.9 | 44.192 | 3570.5 |
| Stddev    | 10.7   | 53.    | 14.1   | .915   | 28.8   |
| %RSD      | .29851 | .12819 | .41110 | 2.0715 | .80583 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3570.1 | 41402. | 3426.6 | 43.165 | 3540.4 |
| #2 | 3589.0 | 41492. | 3452.2 | 44.490 | 3597.7 |
| #3 | 3588.3 | 41398. | 3429.0 | 44.922 | 3573.5 |

Sample Name: K2112-07      Acquired: 3/28/2019 23:52:56      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2258 | .00633 | 100.27 | .40717 | .06514 | 77.917 | 1.7916 |
| Stddev | .0028  | .00199 | .13    | .00519 | .00124 | .254   | .0043  |
| %RSD   | .22804 | 31.516 | .13232 | 1.2742 | 1.9082 | .32648 | .23732 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.2281 | .00814 | 100.13 | .40987 | .06484 | 77.644 | 1.7935 |
| #2 | 1.2265 | .00419 | 100.39 | .41046 | .06407 | 77.960 | 1.7945 |
| #3 | 1.2227 | .00665 | 100.29 | .40119 | .06650 | 78.147 | 1.7867 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.01192 | .03402 | 41.931 | F 10.827 | .25560 | 3.1710 | 255.58 |
| Stddev | .00031  | .00018 | .258   | .012     | .00083 | .0020  | .92    |
| %RSD   | 2.5933  | .53672 | .61642 | .10753   | .32299 | .06170 | .36135 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.01158 | .03381 | 42.035 | 10.821 | .25467 | 3.1722 | 255.95 |
| #2 | -.01200 | .03414 | 41.636 | 10.841 | .25624 | 3.1720 | 256.26 |
| #3 | -.01218 | .03411 | 42.120 | 10.821 | .25589 | 3.1687 | 254.53 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5009 | 40.968 | .99373 | .06190 | 3.4348 | .45782 | 8.3591 |
| Stddev | .0026  | .039   | .00603 | .00080 | .0211  | .00165 | .0147  |
| %RSD   | .10227 | .09493 | .60689 | 1.2861 | .61564 | .36014 | .17525 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4998 | 40.923 | .98678 | .06277 | 3.4109 | .45782 | 8.3453 |
| #2 | 2.5038 | 40.987 | .99695 | .06170 | 3.4422 | .45947 | 8.3745 |
| #3 | 2.4991 | 40.993 | .99748 | .06122 | 3.4512 | .45617 | 8.3577 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 8.2941 | .25112 | .10757 | F 50.010 | 2.3706 | .24743 | 3.3190 |
| Stddev | .0481  | .00114 | .00824 | .067     | .0316  | .00148 | .0197  |
| %RSD   | .58016 | .45551 | 7.6607 | .13353   | 1.3347 | .59979 | .59397 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.2457 | .25010 | .11686 | 50.041 | 2.3528 | .24815 | 3.3322 |
| #2 | 8.3419 | .25090 | .10116 | 50.055 | 2.3520 | .24841 | 3.2963 |
| #3 | 8.2945 | .25235 | .10468 | 49.933 | 2.4072 | .24572 | 3.3285 |

Sample Name: K2112-07      Acquired: 3/28/2019 23:52:56      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .16320 | 9.131  | .18048 | <.00000 | F<.00000 |
| Stddev    | .00115 | .012   | .00295 | .56775  | 3.7482   |
| %RSD      | .70313 | .1338  | 1.6335 | 15.178  | .76711   |
| #1        | .16212 | 9.119  | .18279 | -4.3012 | -487.01  |
| #2        | .16440 | 9.144  | .17716 | -3.7551 | -485.92  |
| #3        | .16307 | 9.129  | .18148 | -3.1659 | -492.89  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3583.1 | 41391. | 3441.7 | 42.781  | 3611.0   |
| Stddev    | 4.7    | 98.    | 3.3    | .376    | 2.3      |
| %RSD      | .13168 | .23609 | .09548 | .87900  | .06237   |
| #1        | 3577.8 | 41490. | 3440.6 | 42.880  | 3613.5   |
| #2        | 3586.8 | 41295. | 3445.4 | 42.366  | 3609.2   |
| #3        | 3584.7 | 41387. | 3439.1 | 43.098  | 3610.2   |

Sample Name: K2112-08      Acquired: 3/28/2019 23:57:10      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07090 | -.00320 | .70620 | .10153 | .00542 | 90.655 | .95267 |
| Stddev | .00128 | .00226  | .00366 | .00322 | .00200 | .597   | .00631 |
| %RSD   | 1.7990 | 70.371  | .51762 | 3.1702 | 36.949 | .65866 | .66249 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .07217 | -.00511 | .71042 | .09846 | .00357 | 89.975 | .94538 |
| #2 | .07090 | -.00378 | .70415 | .10126 | .00515 | 91.091 | .95622 |
| #3 | .06962 | -.00072 | .70404 | .10488 | .00755 | 90.901 | .95640 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00475 | .00037 | 171.82 | F 2.5527 | .08837 | 1.1556 | 162.57 |
| Stddev | .00014  | .00025 | 1.33   | .0078    | .00053 | .0026  | 1.24   |
| %RSD   | 2.9407  | 66.430 | .77220 | .30414   | .60501 | .22406 | .76287 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00470 | .00042 | 173.01 | 2.5495 | .08834 | 1.1530 | 161.20 |
| #2 | -.00491 | .00011 | 170.39 | 2.5470 | .08786 | 1.1582 | 163.62 |
| #3 | -.00465 | .00059 | 172.06 | 2.5615 | .08893 | 1.1557 | 162.89 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.3600 | 55.800 | .23673 | -.02140 | 24.307 | .24988 | 1.3521 |
| Stddev | .0085  | .207   | .00181 | .00067  | .128   | .00207 | .0107  |
| %RSD   | .25423 | .37145 | .76595 | 3.1480  | .52859 | .83025 | .78834 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.3527 | 55.726 | .23746 | -.02067 | 24.161 | .24761 | 1.3555 |
| #2 | 3.3579 | 56.034 | .23467 | -.02155 | 24.401 | .25037 | 1.3401 |
| #3 | 3.3694 | 55.639 | .23806 | -.02199 | 24.361 | .25167 | 1.3606 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 22.517 | .03722 | .20757 | F 51.122 | 2.7674 | .02782 | 2.7182 |
| Stddev | .149   | .00020 | .03607 | .313     | .0174  | .00040 | .0211  |
| %RSD   | .66086 | .53249 | 17.380 | .61271   | .63024 | 1.4415 | .77644 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.356 | .03712 | .16657 | 51.205 | 2.7569 | .02761 | 2.7233 |
| #2 | 22.546 | .03745 | .22165 | 50.776 | 2.7577 | .02757 | 2.6951 |
| #3 | 22.649 | .03709 | .23447 | 51.385 | 2.7875 | .02828 | 2.7364 |

Sample Name: K2112-08      Acquired: 3/28/2019 23:57:10      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .18037 | 4.562  | .35157 | <.00000 | F<.00000 |
| Stddev | .00171 | .010   | .00309 | .26471  | 3.2815   |
| %RSD   | .94652 | .2233  | .87970 | 10.115  | 1.2400   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .18008 | 4.551 | .35454 | -2.3311 | -261.21 |
| #2 | .17882 | 4.563 | .34837 | -2.8536 | -264.98 |
| #3 | .18220 | 4.571 | .35181 | -2.6665 | -267.75 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3649.1 | 41629. | 3513.0 | 41.395 | 3437.4 |
| Stddev    | 8.0    | 112.   | 33.2   | .738   | 19.8   |
| %RSD      | .21786 | .26904 | .94540 | 1.7817 | .57487 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3647.3 | 41757. | 3479.5 | 41.342 | 3422.8 |
| #2 | 3642.2 | 41583. | 3546.0 | 40.685 | 3459.9 |
| #3 | 3657.8 | 41548. | 3513.3 | 42.157 | 3429.5 |

Sample Name: K2125-01      Acquired: 3/29/2019 0:01:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE-COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08356 | -.01532 | .19946 | .06640 | .00413 | 202.84 | 1.5638 |
| Stddev | .00312 | .00200  | .00164 | .00544 | .00071 | .82    | .0059  |
| %RSD   | 3.7296 | 13.047  | .82003 | 8.1872 | 17.178 | .40251 | .37792 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .08713 | -.01384 | .19803 | .07249 | .00401 | 201.90 | 1.5577 |
| #2 | .08139 | -.01759 | .19911 | .06467 | .00349 | 203.22 | 1.5695 |
| #3 | .08215 | -.01451 | .20124 | .06204 | .00489 | 203.39 | 1.5641 |

|        |         |        |        |          |        |        |        |
|--------|---------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | -.00030 | .00255 | 1653.7 | F 2.0941 | .10815 | .49557 | 207.43 |
| Stddev | .00029  | .00018 | 10.8   | .0024    | .00098 | .00247 | .43    |
| %RSD   | 95.606  | 6.9987 | .65533 | .11415   | .90990 | .49830 | .20770 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00002  | .00254 | 1653.8 | 2.0927 | .10918 | .49469 | 207.91 |
| #2 | -.00041 | .00273 | 1642.9 | 2.0928 | .10805 | .49836 | 207.06 |
| #3 | -.00053 | .00237 | 1664.5 | 2.0969 | .10722 | .49366 | 207.33 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.9765 | 178.09 | 1.0355 | -.06121 | 6.9866 | .38309 | 11.141 |
| Stddev | .0466  | 2.13   | .0038  | .00020  | .0406  | .00356 | .037   |
| %RSD   | .66817 | 1.1987 | .36339 | .33427  | .58107 | .92889 | .33418 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.9277 | 175.91 | 1.0383 | -.06130 | 6.9402 | .38710 | 11.168 |
| #2 | 6.9813 | 180.18 | 1.0312 | -.06098 | 7.0041 | .38031 | 11.098 |
| #3 | 7.0206 | 178.18 | 1.0369 | -.06136 | 7.0155 | .38188 | 11.155 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 43.036 | .01666 | .29424 | F 76.191 | .84658 | .03446 | 5.8810 |
| Stddev | .142   | .00029 | .00565 | .143     | .00905 | .00253 | .0604  |
| %RSD   | .33054 | 1.7127 | 1.9206 | .18796   | 1.0685 | 7.3567 | 1.0268 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 42.882 | .01699 | .30075 | 76.200 | .85383 | .03210 | 5.8819 |
| #2 | 43.064 | .01646 | .29138 | 76.043 | .83644 | .03414 | 5.8201 |
| #3 | 43.162 | .01654 | .29060 | 76.329 | .84945 | .03714 | 5.9409 |

Sample Name: K2125-01      Acquired: 3/29/2019 0:01:28      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE-COM      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .35892 | 8.719  | 8.6041 | <.00000 | F<.00000 |
| Stddev    | .00184 | .007   | .1647  | .45390  | 3.5225   |
| %RSD      | .51302 | .0837  | 1.9145 | 8.1123  | .95180   |
| #1        | .35738 | 8.713  | 8.4916 | -6.1019 | -373.41  |
| #2        | .35843 | 8.727  | 8.5275 | -5.4577 | -366.39  |
| #3        | .36096 | 8.717  | 8.7931 | -5.2260 | -370.46  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3363.4 | 39069. | 3498.1 | 40.446  | 2860.8   |
| Stddev    | 6.9    | 35.    | 19.1   | .972    | 15.1     |
| %RSD      | .20657 | .08951 | .54684 | 2.4044  | .52834   |
| #1        | 3359.9 | 39103. | 3492.1 | 39.354  | 2856.0   |
| #2        | 3371.4 | 39070. | 3519.5 | 41.217  | 2877.8   |
| #3        | 3358.8 | 39033. | 3482.7 | 40.768  | 2848.7   |

Sample Name: CCV12      Acquired: 3/29/2019 0:06:21      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9611 | 5.0206 | 4.8352 | 5.0806 | 4.9760 | 9.7306 | 9.7713 | .25274   |
| Stddev | .0056  | .0219  | .0111  | .0097  | .0082  | .0466  | .0236  | .00075   |
| %RSD   | .11187 | .43563 | .23029 | .19053 | .16462 | .47882 | .24124 | .29703   |
| #1     | 4.9587 | 5.0001 | 4.8227 | 5.0706 | 4.9691 | 9.6782 | 9.7465 | .25333   |
| #2     | 4.9571 | 5.0436 | 4.8387 | 5.0900 | 4.9851 | 9.7673 | 9.7739 | .25299   |
| #3     | 4.9674 | 5.0180 | 4.8441 | 5.0811 | 4.9739 | 9.7463 | 9.7935 | .25189   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4588 | 25.210 | 1.0233 | 2.4769 | 1.2357 | 5.0889 | 2.5121 | 24.374   |
| Stddev | .0081  | .071   | .0042  | .0090  | .0011  | .0229  | .0076  | .136     |
| %RSD   | .32896 | .28189 | .41134 | .36416 | .09060 | .45065 | .30143 | .55705   |
| #1     | 2.4496 | 25.292 | 1.0282 | 2.4667 | 1.2359 | 5.1149 | 2.5176 | 24.220   |
| #2     | 2.4646 | 25.173 | 1.0213 | 2.4801 | 1.2345 | 5.0801 | 2.5153 | 24.424   |
| #3     | 2.4623 | 25.164 | 1.0205 | 2.4839 | 1.2367 | 5.0717 | 2.5035 | 24.478   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4828 | 1.2388 | 24.094 | 2.5033 | 2.4666 | 24.553 | 4.9301 | 4.9971   |
| Stddev | .0076  | .0010  | .049   | .0095  | .0069  | .102   | .0061  | .0758    |
| %RSD   | .30432 | .08147 | .20510 | .38017 | .27783 | .41348 | .12386 | 1.5178   |
| #1     | 2.4741 | 1.2377 | 24.064 | 2.5099 | 2.4587 | 24.439 | 4.9255 | 4.9111   |
| #2     | 2.4878 | 1.2397 | 24.067 | 2.5076 | 2.4709 | 24.585 | 4.9370 | 5.0546   |
| #3     | 2.4866 | 1.2388 | 24.151 | 2.4924 | 2.4703 | 24.635 | 4.9277 | 5.0255   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9160 | 5.1520 | 4.9027 | 5.0683 | 4.9260 | 4.979  | 5.0010 | F 3.0562 |
| Stddev | .0358  | .0291  | .0250  | .0092  | .0161  | .028   | .0208  | .3612    |
| %RSD   | .72761 | .56521 | .51059 | .18247 | .32642 | .5554  | .41627 | 11.818   |
| #1     | 4.8818 | 5.1807 | 4.8747 | 5.0716 | 4.9445 | 4.950  | 5.0244 | 3.4556   |
| #2     | 4.9132 | 5.1528 | 4.9228 | 5.0579 | 4.9157 | 5.005  | 4.9941 | 2.7526   |
| #3     | 4.9532 | 5.1225 | 4.9105 | 5.0755 | 4.9177 | 4.983  | 4.9845 | 2.9603   |



Sample Name: CCV12      Acquired: 3/29/2019 0:06:21      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9040  
Stddev      1.0435  
%RSD      54.808

#1      .70537  
#2      2.3962  
#3      2.6104

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3378.5 | 38425. | 3082.5 | 41.328 | 3588.0 |
| Stddev    | 7.7    | 53.    | 15.1   | 1.187  | 10.2   |
| %RSD      | .22657 | .13697 | .49101 | 2.8724 | .28409 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3375.0 | 38468. | 3067.2 | 40.233 | 3597.6 |
| #2 | 3373.3 | 38366. | 3082.8 | 42.590 | 3577.3 |
| #3 | 3387.3 | 38440. | 3097.5 | 41.160 | 3589.1 |

Sample Name: CCB12      Acquired: 3/29/2019 0:10:20      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00060  | .00144  | -.00132 | F .00589 | -.00209 | -.01923 | .00000  | .00002   |
| Stddev | .00106  | .00045  | .00097  | .00249   | .00095  | .00329  | .00046  | .00006   |
| %RSD   | 177.13  | 31.285  | 73.308  | 42.355   | 45.217  | 17.093  | 10292.  | 256.93   |
| #1     | -.00048 | .00195  | -.00062 | .00629   | -.00318 | -.01557 | -.00008 | .00006   |
| #2     | .00064  | .00127  | -.00092 | .00322   | -.00164 | -.02020 | -.00041 | .00005   |
| #3     | .00164  | .00110  | -.00243 | .00815   | -.00146 | -.02193 | .00050  | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00021 | -.01385 | .00151  | -.00005  | -.00355 | .00162  | .00100  | -.10020  |
| Stddev | .00008  | .01225  | .00064  | .00023   | .00010  | .00069  | .00002  | .02931   |
| %RSD   | 37.210  | 88.431  | 42.208  | 469.21   | 2.6955  | 42.613  | 2.2126  | 29.249   |
| #1     | -.00014 | -.02325 | .00105  | -.00031  | -.00344 | .00173  | .00101  | -.06648  |
| #2     | -.00019 | -.01829 | .00224  | .00004   | -.00357 | .00088  | .00098  | -.11453  |
| #3     | -.00029 | -.00000 | .00124  | .00012   | -.00363 | .00224  | .00102  | -.11958  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00055  | -.00106 | -.02138 | .00020   | .00306  | .18854  | -.00013 | .00151   |
| Stddev | .00048  | .00087  | .02119  | .00042   | .00046  | .00436  | .00025  | .00943   |
| %RSD   | 86.650  | 82.541  | 99.089  | 211.66   | 15.034  | 2.3107  | 187.90  | 625.33   |
| #1     | .00069  | -.00173 | -.04076 | .00031   | .00352  | .18396  | -.00012 | .01124   |
| #2     | .00002  | -.00007 | .00124  | .00054   | .00308  | .19263  | -.00039 | -.00758  |
| #3     | .00095  | -.00136 | -.02463 | -.00027  | .00260  | .18904  | .00011  | .00086   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00460  | .00254  | .00098  | .00918   | .00284  | .0031   | .00002  | F .40546 |
| Stddev | .00410  | .00331  | .00049  | .00188   | .00141  | .0016   | .00004  | .21062   |
| %RSD   | 89.146  | 130.56  | 49.935  | 20.506   | 49.703  | 50.90   | 205.61  | 51.947   |
| #1     | .00895  | .00480  | .00153  | .00853   | .00301  | .0042   | -.00001 | .18217   |
| #2     | .00405  | .00407  | .00061  | .01131   | .00136  | .0037   | .00001  | .60059   |
| #3     | .00080  | -.00126 | .00080  | .00772   | .00417  | .0013   | .00006  | .43361   |

Sample Name: CCB12      Acquired: 3/29/2019 0:10:20      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .86945 |
| Stddev | .85262   |
| %RSD   | 98.065   |

|    |        |
|----|--------|
| #1 | 1.7654 |
| #2 | .77503 |
| #3 | .06796 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3556.6 | 40265. | 3148.6 | 45.783 | 4055.8 |
| Stddev    | 13.0   | 34.    | 30.5   | 2.119  | 16.6   |
| %RSD      | .36620 | .08339 | .96975 | 4.6293 | .41040 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3543.5 | 40228. | 3114.7 | 46.233 | 4037.1 |
| #2 | 3569.6 | 40275. | 3157.1 | 47.642 | 4068.9 |
| #3 | 3556.6 | 40293. | 3174.0 | 43.475 | 4061.3 |

Sample Name: K2125-02      Acquired: 3/29/2019 0:14:50      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CONCRETE-COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .05560 | -.01899 | .08722 | .05211 | -.00141 | 185.58 | 1.3641 |
| Stddev | .00245 | .00209  | .00118 | .00398 | .00403  | .75    | .0044  |
| %RSD   | 4.3978 | 10.998  | 1.3537 | 7.6396 | 286.65  | .40330 | .32076 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .05442 | -.01664 | .08742 | .04820 | -.00437 | 184.79 | 1.3619 |
| #2 | .05398 | -.01966 | .08596 | .05197 | -.00304 | 186.28 | 1.3692 |
| #3 | .05841 | -.02065 | .08829 | .05615 | .00319  | 185.66 | 1.3613 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00107 | .00076 | 1635.1 | .40729 | .06324 | .32225 | 154.85 |
| Stddev | .00042 | .00014 | 9.0    | .00502 | .00021 | .00147 | 1.56   |
| %RSD   | 38.876 | 18.539 | .55090 | 1.2331 | .33441 | .45464 | 1.0107 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00136 | .00061 | 1637.7 | .40957 | .06302 | .32391 | 153.10 |
| #2 | .00126 | .00076 | 1625.1 | .41077 | .06326 | .32171 | 156.13 |
| #3 | .00060 | .00089 | 1642.5 | .40153 | .06345 | .32114 | 155.31 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.6891 | 129.71 | .14130 | -.05476 | 5.9832 | .29118 | 6.9573 |
| Stddev | .0171  | .74    | .00048 | .00057  | .0271  | .00454 | .0300  |
| %RSD   | .29979 | .57081 | .34247 | 1.0437  | .45242 | 1.5576 | .43170 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.6754 | 129.47 | .14125 | -.05453 | 5.9533 | .28975 | 6.9227 |
| #2 | 5.7082 | 130.53 | .14181 | -.05541 | 5.9903 | .29626 | 6.9763 |
| #3 | 5.6836 | 129.11 | .14085 | -.05433 | 6.0061 | .28753 | 6.9730 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 35.878 | .00715 | .30270 | F 68.735 | 1.0052 | -.00174 | 5.9759 |
| Stddev | .221   | .00043 | .01628 | .437     | .0168  | .00028  | .0239  |
| %RSD   | .61730 | 5.9547 | 5.3778 | .63520   | 1.6664 | 16.179  | .39980 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 35.642 | .00742 | .30077 | 68.232 | 1.0060 | -.00158 | 5.9507 |
| #2 | 36.082 | .00738 | .28748 | 69.020 | 1.0216 | -.00206 | 5.9787 |
| #3 | 35.910 | .00666 | .31986 | 68.952 | .98812 | -.00158 | 5.9982 |

Sample Name: K2125-02      Acquired: 3/29/2019 0:14:50      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CONCRETE-COM      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .28223 | 6.961  | 8.0860 | <.00000 | F<.00000 |
| Stddev    | .00154 | .013   | .0161  | .27633  | 1.9881   |
| %RSD      | .54556 | .1856  | .19952 | 5.8051  | .89633   |
| #1        | .28057 | 6.947  | 8.0693 | -5.0353 | -223.13  |
| #2        | .28250 | 6.964  | 8.0874 | -4.7623 | -222.78  |
| #3        | .28361 | 6.972  | 8.1014 | -4.4827 | -219.52  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3334.2 | 38547. | 3457.4 | 39.093  | 2921.0   |
| Stddev    | 3.5    | 156.   | 13.2   | .584    | 11.1     |
| %RSD      | .10434 | .40443 | .38117 | 1.4949  | .37946   |
| #1        | 3331.3 | 38685. | 3467.9 | 39.660  | 2933.7   |
| #2        | 3333.3 | 38378. | 3442.6 | 39.125  | 2913.4   |
| #3        | 3338.1 | 38578. | 3461.6 | 38.493  | 2915.8   |

Sample Name: K2125-03      Acquired: 3/29/2019 0:19:29      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SOIL-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .12730 | .01584 | .07598 | .12547 | -.00655 | 45.838 | .25440 |
| Stddev | .00324 | .00088 | .00111 | .00072 | .00026  | .170   | .00057 |
| %RSD   | 2.5451 | 5.5734 | 1.4625 | .57052 | 3.9824  | .37011 | .22276 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .13078 | .01684 | .07664 | .12572 | -.00669 | 45.643 | .25377 |
| #2 | .12675 | .01549 | .07661 | .12603 | -.00671 | 45.941 | .25457 |
| #3 | .12437 | .01518 | .07470 | .12466 | -.00625 | 45.932 | .25486 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.01858 | -.00780 | 20.995 | .11138 | .04465 | .56110 | 365.35 |
| Stddev | .00030  | .00013  | .062   | .00125 | .00032 | .00418 | 1.26   |
| %RSD   | 1.6060  | 1.6353  | .29353 | 1.1260 | .72016 | .74501 | .34612 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.01851 | -.00774 | 20.928 | .11073 | .04432 | .55714 | 364.11 |
| #2 | -.01890 | -.00771 | 21.049 | .11283 | .04468 | .56547 | 365.28 |
| #3 | -.01832 | -.00795 | 21.009 | .11059 | .04496 | .56069 | 366.64 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1569 | 14.983 | .02857 | -.04045 | .32329 | .28665 | .21693 |
| Stddev | .0014  | .168   | .00035 | .00076  | .00202 | .00215 | .00094 |
| %RSD   | .12503 | 1.1219 | 1.2120 | 1.8811  | .62542 | .74984 | .43550 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.1553 | 14.792 | .02896 | -.04040 | .32188 | .28552 | .21688 |
| #2 | 1.1580 | 15.110 | .02843 | -.03972 | .32239 | .28530 | .21790 |
| #3 | 1.1575 | 15.046 | .02831 | -.04124 | .32561 | .28913 | .21601 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.4427 | -.00083 | .08899 | .70958 | 3.0417 | .00592 | .60051 |
| Stddev | .0296  | .00035  | .00996 | .00857 | .0093  | .00110 | .00316 |
| %RSD   | .39736 | 42.536  | 11.194 | 1.2072 | .30633 | 18.558 | .52611 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.4604 | -.00043 | .08535 | .69977 | 3.0323 | .00533 | .59827 |
| #2 | 7.4591 | -.00097 | .08137 | .71339 | 3.0510 | .00525 | .60412 |
| #3 | 7.4085 | -.00109 | .10026 | .71558 | 3.0418 | .00719 | .59914 |

Sample Name: K2125-03      Acquired: 3/29/2019 0:19:29      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SOIL-COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .04843 | 8.308  | -.24861 | <.00000 | F<.00000 |
| Stddev | .00151 | .049   | .00120  | .70734  | 2.0608   |
| %RSD   | 3.1125 | .5904  | .48449  | 8.1589  | .27219   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .04721 | 8.263 | -.24745 | -8.8105 | -757.14 |
| #2 | .05012 | 8.300 | -.24853 | -7.9024 | -759.15 |
| #3 | .04797 | 8.361 | -.24986 | -9.2959 | -755.03 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3646.2 | 41289. | 3379.4 | 44.634 | 3695.8 |
| Stddev    | 1.6    | 82.    | 5.6    | 1.582  | 7.0    |
| %RSD      | .04430 | .19937 | .16634 | 3.5439 | .18879 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3647.2 | 41317. | 3385.7 | 43.199 | 3689.9 |
| #2 | 3647.1 | 41354. | 3374.8 | 44.373 | 3703.5 |
| #3 | 3644.4 | 41197. | 3377.8 | 46.331 | 3694.0 |

Sample Name: K2130-01      Acquired: 3/29/2019 0:23:51      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-034      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .08553 | -.00952 | .55345 | .08708 | -.00322 | 142.77 | 1.1165 |
| Stddev | .00334 | .00253  | .00381 | .00539 | .00107  | .54    | .0069  |
| %RSD   | 3.9006 | 26.605  | .68882 | 6.1899 | 33.288  | .37777 | .61470 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .08937 | -.01219 | .55101 | .08247 | -.00385 | 143.30 | 1.1224 |
| #2 | .08392 | -.00922 | .55149 | .09300 | -.00198 | 142.79 | 1.1181 |
| #3 | .08331 | -.00715 | .55784 | .08576 | -.00383 | 142.22 | 1.1090 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00572 | .00017 | 246.94 | .33985 | .15842 | .64600 | 230.69 |
| Stddev | .00017  | .00013 | 1.23   | .00134 | .00020 | .00081 | .98    |
| %RSD   | 3.0228  | 71.933 | .49932 | .39400 | .12410 | .12525 | .42658 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00552 | .00026 | 247.58 | .34140 | .15823 | .64545 | 230.84 |
| #2 | -.00581 | .00003 | 247.72 | .33918 | .15840 | .64562 | 229.64 |
| #3 | -.00582 | .00023 | 245.51 | .33899 | .15862 | .64693 | 231.59 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4911 | 101.80 | .72389 | -.03501 | 8.6212 | .41759 | 1.2425 |
| Stddev | .0197  | .73    | .00516 | .00064  | .0617  | .00337 | .0074  |
| %RSD   | .30372 | .72163 | .71340 | 1.8411  | .71580 | .80631 | .59210 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.5090 | 102.50 | .72059 | -.03440 | 8.6773 | .41659 | 1.2342 |
| #2 | 6.4942 | 101.86 | .72124 | -.03494 | 8.6311 | .41484 | 1.2452 |
| #3 | 6.4700 | 101.03 | .72984 | -.03568 | 8.5551 | .42135 | 1.2482 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 20.372 | .00393 | .12360 | F 13.050 | 3.7017 | .02716 | 4.0759 |
| Stddev | .087   | .00056 | .01534 | .049     | .0169  | .00222 | .0079  |
| %RSD   | .42493 | 14.234 | 12.412 | .37625   | .45669 | 8.1796 | .19451 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.455 | .00415 | .13203 | 13.060 | 3.6822 | .02698 | 4.0667 |
| #2 | 20.379 | .00329 | .13288 | 12.997 | 3.7104 | .02504 | 4.0808 |
| #3 | 20.282 | .00434 | .10589 | 13.093 | 3.7124 | .02947 | 4.0801 |



Sample Name: K2130-01      Acquired: 3/29/2019 0:23:51      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-GF-02-034      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .25095 | 6.987  | .44652 | <.00000 | F<.00000 |
| Stddev | .00104 | .016   | .00452 | .15295  | 1.7337   |
| %RSD   | .41432 | .2266  | 1.0125 | 3.3401  | .36200   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .25005 | 6.973 | .44944 | -4.5329 | -478.68 |
| #2 | .25070 | 6.985 | .44880 | -4.7501 | -477.31 |
| #3 | .25209 | 7.004 | .44131 | -4.4550 | -480.75 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3776.2 | 43651. | 3674.9 | 43.011 | 3362.6 |
| Stddev    | 1.7    | 103.   | 6.9    | 2.637  | 19.1   |
| %RSD      | .04592 | .23625 | .18890 | 6.1307 | .56791 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3777.9 | 43532. | 3670.8 | 43.300 | 3382.4 |
| #2 | 3776.1 | 43700. | 3671.0 | 45.492 | 3361.1 |
| #3 | 3774.5 | 43719. | 3682.9 | 40.242 | 3344.3 |

Sample Name: K2130-03      Acquired: 3/29/2019 0:28:26      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-034      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09316 | -.00413 | .77481 | .10303 | .00034 | 135.42 | .98094 |
| Stddev | .00350 | .00126  | .00321 | .00116 | .00019 | .43    | .00454 |
| %RSD   | 3.7612 | 30.526  | .41475 | 1.1271 | 55.478 | .31765 | .46254 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .09052 | -.00553 | .77651 | .10394 | .00024 | 135.16 | .97670 |
| #2 | .09713 | -.00310 | .77682 | .10172 | .00022 | 135.18 | .98038 |
| #3 | .09181 | -.00376 | .77111 | .10342 | .00055 | 135.92 | .98573 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00465 | .00081 | 106.06 | .42885 | .16065 | .81806 | 290.70 |
| Stddev | .00012  | .00032 | .38    | .00167 | .00062 | .00806 | 1.37   |
| %RSD   | 2.4755  | 38.855 | .36064 | .38984 | .38648 | .98475 | .47282 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00473 | .00106 | 106.21 | .42848 | .16089 | .81030 | 291.31 |
| #2 | -.00452 | .00092 | 106.36 | .43067 | .16112 | .82639 | 289.13 |
| #3 | -.00471 | .00046 | 105.63 | .42739 | .15995 | .81750 | 291.67 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.9137 | 68.345 | .57668 | -.03996 | 7.9039 | .45937 | 1.3935 |
| Stddev | .0113  | .528   | .00114 | .00036  | .0063  | .00206 | .0032  |
| %RSD   | .19064 | .77190 | .19729 | .90486  | .07947 | .44879 | .22636 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.9090 | 68.493 | .57796 | -.03955 | 7.8972 | .45831 | 1.3963 |
| #2 | 5.9055 | 67.759 | .57632 | -.04022 | 7.9049 | .46175 | 1.3942 |
| #3 | 5.9266 | 68.782 | .57577 | -.04011 | 7.9096 | .45806 | 1.3901 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.446 | .01294 | .11962 | 5.1201 | 4.3433 | .02636 | 4.1226 |
| Stddev | .045   | .00048 | .01103 | .0193  | .0411  | .00051 | .0284  |
| %RSD   | .24394 | 3.6803 | 9.2175 | .37615 | .94509 | 1.9447 | .68849 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.457 | .01244 | .13208 | 5.1152 | 4.3904 | .02690 | 4.1217 |
| #2 | 18.396 | .01338 | .11112 | 5.1413 | 4.3243 | .02587 | 4.1515 |
| #3 | 18.484 | .01301 | .11566 | 5.1037 | 4.3152 | .02630 | 4.0947 |

Sample Name: K2130-03      Acquired: 3/29/2019 0:28:26      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-GF-02-034      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .21880 | 8.852  | .07101 | <.00000 | F<.00000 |
| Stddev    | .00238 | .011   | .00324 | .85687  | 6.8811   |
| %RSD      | 1.0865 | .1257  | 4.5585 | 7.7193  | .99075   |
| #1        | .22104 | 8.856  | .07207 | -11.079 | -701.61  |
| #2        | .21906 | 8.860  | .07358 | -11.968 | -687.86  |
| #3        | .21630 | 8.839  | .06737 | -10.255 | -694.14  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4031.4 | 46219. | 3834.0 | 43.130  | 3521.9   |
| Stddev    | 13.8   | 217.   | 17.4   | .780    | 13.5     |
| %RSD      | .34279 | .47015 | .45388 | 1.8094  | .38325   |
| #1        | 4026.8 | 46089. | 3817.9 | 42.307  | 3509.3   |
| #2        | 4020.4 | 46470. | 3831.5 | 43.859  | 3520.3   |
| #3        | 4046.9 | 46098. | 3852.5 | 43.223  | 3536.1   |

Sample Name: K2131-01      Acquired: 3/29/2019 0:33:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-035      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .08411 | -.00495 | .84874 | .08774 | -.00240 | 143.08 | 1.0630 |
| Stddev | .00409 | .00041  | .00272 | .00479 | .00122  | .73    | .0060  |
| %RSD   | 4.8587 | 8.1980  | .32035 | 5.4637 | 50.963  | .50876 | .56270 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .08488 | -.00500 | .84605 | .09312 | -.00374 | 142.27 | 1.0569 |
| #2 | .08775 | -.00452 | .85149 | .08390 | -.00209 | 143.29 | 1.0689 |
| #3 | .07969 | -.00532 | .84868 | .08621 | -.00136 | 143.68 | 1.0631 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00586 | -.00160 | 84.025 | .37418 | .16557 | .64561 | 230.06 |
| Stddev | .00025  | .00004  | .339   | .00108 | .00065 | .00140 | 1.38   |
| %RSD   | 4.2484  | 2.4868  | .40366 | .28932 | .38982 | .21685 | .59935 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00558 | -.00160 | 84.393 | .37315 | .16489 | .64722 | 228.74 |
| #2 | -.00595 | -.00164 | 83.957 | .37531 | .16617 | .64500 | 229.96 |
| #3 | -.00605 | -.00156 | 83.725 | .37408 | .16564 | .64463 | 231.49 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.2139 | 65.320 | .81283 | -.02976 | 6.7475 | .39729 | 1.1720 |
| Stddev | .0223  | .269   | .00250 | .00058  | .0470  | .00056 | .0035  |
| %RSD   | .42741 | .41153 | .30711 | 1.9494  | .69652 | .14073 | .30068 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.1882 | 65.434 | .81158 | -.03041 | 6.6933 | .39769 | 1.1684 |
| #2 | 5.2251 | 65.514 | .81570 | -.02958 | 6.7759 | .39665 | 1.1720 |
| #3 | 5.2284 | 65.013 | .81120 | -.02929 | 6.7734 | .39752 | 1.1754 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.623 | .00370 | .12188 | 3.3749 | 6.0158 | .03225 | 3.3605 |
| Stddev | .126   | .00004 | .00872 | .0127  | .0759  | .00164 | .0067  |
| %RSD   | .75634 | .96628 | 7.1575 | .37543 | 1.2615 | 5.0934 | .19994 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.478 | .00370 | .11211 | 3.3653 | 6.1011 | .03119 | 3.3564 |
| #2 | 16.699 | .00374 | .12463 | 3.3701 | 5.9902 | .03414 | 3.3568 |
| #3 | 16.692 | .00366 | .12889 | 3.3892 | 5.9560 | .03142 | 3.3683 |

Sample Name: K2131-01      Acquired: 3/29/2019 0:33:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-035 Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .22386 | 6.113  | .07253 | <.00000 | F<.00000 |
| Stddev    | .00087 | .013   | .00265 | .60207  | 1.1192   |
| %RSD      | .39044 | .2179  | 3.6482 | 10.207  | .24195   |
| #1        | .22314 | 6.100  | .07524 | -5.4639 | -463.89  |
| #2        | .22361 | 6.112  | .07240 | -5.6457 | -461.95  |
| #3        | .22483 | 6.127  | .06995 | -6.5856 | -461.95  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3907.6 | 44725. | 3749.2 | 43.394  | 3530.3   |
| Stddev    | 8.0    | 137.   | 20.2   | 1.343   | 8.5      |
| %RSD      | .20406 | .30597 | .53864 | 3.0957  | .24110   |
| #1        | 3902.2 | 44862. | 3725.8 | 42.391  | 3536.6   |
| #2        | 3916.8 | 44724. | 3760.7 | 42.871  | 3533.8   |
| #3        | 3903.9 | 44588. | 3760.9 | 44.920  | 3520.6   |

Sample Name: K2131-03      Acquired: 3/29/2019 0:37:35      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-035      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .08224 | -.01381 | .59560 | .09216 | -.00115 | 137.37 | .99083 |
| Stddev | .00179 | .00095  | .00394 | .00464 | .00241  | .33    | .00530 |
| %RSD   | 2.1728 | 6.8464  | .66150 | 5.0364 | 208.98  | .24343 | .53479 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .08216 | -.01452 | .59995 | .08889 | .00143  | 137.67 | .99683 |
| #2 | .08407 | -.01274 | .59458 | .09747 | -.00154 | 137.01 | .98679 |
| #3 | .08050 | -.01418 | .59227 | .09011 | -.00335 | 137.45 | .98888 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00557 | -.00054 | 167.41 | .30859 | .16846 | .68071 | 226.62 |
| Stddev | .00013  | .00013  | .43    | .00256 | .00026 | .00077 | 1.00   |
| %RSD   | 2.3339  | 23.252  | .25407 | .83114 | .15434 | .11363 | .44337 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00542 | -.00044 | 166.99 | .31079 | .16872 | .68014 | 225.69 |
| #2 | -.00566 | -.00051 | 167.84 | .30922 | .16848 | .68159 | 226.49 |
| #3 | -.00561 | -.00068 | 167.40 | .30577 | .16820 | .68040 | 227.69 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 10.100 | 108.63 | .54592 | -.03467 | 8.6252 | .40515 | 1.2257 |
| Stddev | .042   | .32    | .00062 | .00060  | .0506  | .00272 | .0039  |
| %RSD   | .41495 | .29756 | .11317 | 1.7286  | .58696 | .67186 | .31513 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.091 | 108.87 | .54644 | -.03438 | 8.6755 | .40330 | 1.2300 |
| #2 | 10.064 | 108.26 | .54609 | -.03427 | 8.5743 | .40387 | 1.2224 |
| #3 | 10.146 | 108.76 | .54524 | -.03536 | 8.6259 | .40827 | 1.2247 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 20.226 | .00198 | .09066 | 5.2592 | 4.4495 | .03352 | 4.5880 |
| Stddev | .061   | .00049 | .02493 | .0289  | .0293  | .00134 | .0019  |
| %RSD   | .30399 | 24.613 | 27.498 | .54980 | .65948 | 4.0126 | .04198 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 20.278 | .00221 | .11728 | 5.2474 | 4.4249 | .03363 | 4.5882 |
| #2 | 20.158 | .00142 | .06785 | 5.2922 | 4.4820 | .03480 | 4.5860 |
| #3 | 20.241 | .00231 | .08685 | 5.2380 | 4.4417 | .03212 | 4.5898 |

Sample Name: K2131-03      Acquired: 3/29/2019 0:37:35      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-035 Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .26855 | 6.334  | .16717 | <.00000 | F<.00000 |
| Stddev | .00301 | .022   | .00208 | .13699  | .47793   |
| %RSD   | 1.1210 | .3493  | 1.2420 | 2.9402  | .10581   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .26735 | 6.320 | .16660 | -4.5930 | -451.41 |
| #2 | .26632 | 6.360 | .16947 | -4.5676 | -452.24 |
| #3 | .27197 | 6.323 | .16544 | -4.8165 | -451.41 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3821.9 | 43833. | 3650.2 | 42.189 | 3419.0 |
| Stddev    | 2.5    | 88.    | 26.6   | 2.008  | 12.0   |
| %RSD      | .06548 | .20024 | .72836 | 4.7596 | .35237 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3819.1 | 43907. | 3679.8 | 41.226 | 3405.2 |
| #2 | 3823.9 | 43856. | 3628.3 | 40.843 | 3424.8 |
| #3 | 3822.7 | 43736. | 3642.5 | 44.497 | 3427.1 |

Sample Name: K2132-01      Acquired: 3/29/2019 0:42:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-036      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .07582 | -.00464 | .56341 | .08663 | .00096 | 129.42 | .92847 |
| Stddev | .00457 | .00086  | .00424 | .00235 | .00081 | .37    | .00287 |
| %RSD   | 6.0216 | 18.482  | .75311 | 2.7097 | 84.885 | .28264 | .30916 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .08048 | -.00431 | .56691 | .08882 | .00145 | 129.18 | .92711 |
| #2 | .07562 | -.00401 | .55869 | .08415 | .00002 | 129.24 | .92654 |
| #3 | .07135 | -.00562 | .56464 | .08691 | .00141 | 129.84 | .93177 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00686 | .00003 | 147.54 | .27407 | .16040 | .73097 | 238.18 |
| Stddev | .00029  | .00033 | .43    | .00108 | .00161 | .00012 | .85    |
| %RSD   | 4.2640  | 1021.5 | .28834 | .39523 | 1.0031 | .01597 | .35782 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00658 | .00035  | 147.36 | .27532 | .16225 | .73095 | 238.08 |
| #2 | -.00717 | .00007  | 148.03 | .27353 | .15942 | .73110 | 237.38 |
| #3 | -.00684 | -.00031 | 147.24 | .27337 | .15952 | .73087 | 239.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.1653 | 70.999 | .56051 | -.03257 | 7.9122 | .50256 | 1.1879 |
| Stddev | .0341  | .214   | .00555 | .00133  | .0640  | .00269 | .0137  |
| %RSD   | .55351 | .30092 | .99095 | 4.0754  | .80863 | .53536 | 1.1496 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.1608 | 71.170 | .56690 | -.03271 | 7.9611 | .50483 | 1.2026 |
| #2 | 6.1337 | 70.760 | .55780 | -.03383 | 7.8398 | .50327 | 1.1756 |
| #3 | 6.2015 | 71.067 | .55684 | -.03118 | 7.9358 | .49959 | 1.1856 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.829 | .00141 | .10022 | 6.7749 | 6.8805 | .02488 | 3.5399 |
| Stddev | .059   | .00011 | .01097 | .0639  | .0378  | .00065 | .0146  |
| %RSD   | .33132 | 7.8078 | 10.947 | .94377 | .54900 | 2.6294 | .41135 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.789 | .00139 | .08813 | 6.8486 | 6.8908 | .02515 | 3.5232 |
| #2 | 17.802 | .00131 | .10298 | 6.7410 | 6.9121 | .02535 | 3.5494 |
| #3 | 17.897 | .00153 | .10954 | 6.7350 | 6.8387 | .02413 | 3.5472 |



Sample Name: K2132-01      Acquired: 3/29/2019 0:42:11      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-GF-02-036      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .21339 | 6.684  | .18291 | <.00000 | F<.00000 |
| Stddev    | .00106 | .049   | .00163 | .63995  | 6.7255   |
| %RSD      | .49673 | .7381  | .89147 | 10.795  | 1.3690   |
| #1        | .21376 | 6.741  | .18201 | -6.3791 | -486.65  |
| #2        | .21219 | 6.660  | .18479 | -6.2093 | -498.98  |
| #3        | .21421 | 6.652  | .18193 | -5.1956 | -488.16  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3879.8 | 44538. | 3705.1 | 43.819  | 3524.1   |
| Stddev    | 10.5   | 5.     | 19.0   | 1.297   | 33.0     |
| %RSD      | .27032 | .01070 | .51248 | 2.9590  | .93746   |
| #1        | 3880.2 | 44533. | 3708.3 | 44.940  | 3492.4   |
| #2        | 3890.0 | 44538. | 3684.8 | 42.399  | 3558.3   |
| #3        | 3869.0 | 44543. | 3722.3 | 44.117  | 3521.5   |

Sample Name: K2132-03      Acquired: 3/29/2019 0:46:46      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-GF-02-036      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .10783 | -.00409 | .57541 | .10700 | -.00141 | 135.57 | .95274 |
| Stddev | .00082 | .00173  | .00183 | .00298 | .00152  | .22    | .00499 |
| %RSD   | .75674 | 42.210  | .31760 | 2.7813 | 108.22  | .16307 | .52404 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .10719 | -.00334 | .57496 | .10484 | -.00053 | 135.73 | .95850 |
| #2 | .10875 | -.00287 | .57742 | .10576 | -.00053 | 135.65 | .94999 |
| #3 | .10756 | -.00606 | .57385 | .11039 | -.00316 | 135.32 | .94972 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00753 | .00046 | 104.84 | .31263 | .15658 | .85033 | 297.48 |
| Stddev | .00034  | .00016 | .60    | .00157 | .00066 | .00281 | 2.16   |
| %RSD   | 4.4612  | 35.796 | .57226 | .50198 | .42169 | .32999 | .72584 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00781 | .00027 | 104.20 | .31126 | .15714 | .85070 | 299.85 |
| #2 | -.00761 | .00051 | 104.93 | .31435 | .15676 | .84736 | 295.64 |
| #3 | -.00716 | .00059 | 105.39 | .31230 | .15586 | .85294 | 296.94 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.2328 | 65.929 | .61616 | -.04081 | 8.2051 | .46466 | 1.2253 |
| Stddev | .0352  | .038   | .00095 | .00043  | .0614  | .00127 | .0028  |
| %RSD   | .67244 | .05748 | .15343 | 1.0558  | .74801 | .27399 | .22583 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.2570 | 65.907 | .61718 | -.04092 | 8.2456 | .46526 | 1.2263 |
| #2 | 5.1924 | 65.972 | .61531 | -.04033 | 8.2352 | .46552 | 1.2274 |
| #3 | 5.2489 | 65.907 | .61601 | -.04117 | 8.1345 | .46320 | 1.2222 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.549 | .00637 | .11830 | 4.9490 | 6.2927 | .02656 | 3.6464 |
| Stddev | .024   | .00029 | .01331 | .0057  | .0360  | .00046 | .0060  |
| %RSD   | .14639 | 4.5634 | 11.251 | .11459 | .57146 | 1.7402 | .16579 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.573 | .00612 | .12309 | 4.9443 | 6.2594 | .02622 | 3.6405 |
| #2 | 16.550 | .00669 | .10326 | 4.9553 | 6.2877 | .02636 | 3.6462 |
| #3 | 16.524 | .00630 | .12856 | 4.9474 | 6.3308 | .02708 | 3.6526 |

Sample Name: K2132-03      Acquired: 3/29/2019 0:46:46      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-GF-02-036      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .20390 | 8.969  | .09209 | <.00000 | F<.00000 |
| Stddev | .00436 | .011   | .00432 | .45198  | 10.822   |
| %RSD   | 2.1367 | .1251  | 4.6941 | 4.8519  | 1.6212   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .20239 | 8.968 | .08725 | -9.7393 | -670.19 |
| #2 | .20050 | 8.981 | .09344 | -9.3675 | -676.79 |
| #3 | .20881 | 8.958 | .09557 | -8.8398 | -655.64 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3894.4 | 44652. | 3703.0 | 42.521 | 3446.9 |
| Stddev    | 9.8    | 105.   | 26.6   | 2.254  | 4.5    |
| %RSD      | .25177 | .23511 | .71911 | 5.3011 | .13156 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3884.4 | 44580. | 3732.8 | 41.775 | 3441.9 |
| #2 | 3903.9 | 44604. | 3694.9 | 40.735 | 3448.3 |
| #3 | 3895.0 | 44772. | 3681.4 | 45.054 | 3450.6 |

Sample Name: K2086-02DLX10      Acquired: 3/29/2019 0:51:15      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00875 | .00257 | .01947 | .01210 | -.00215 | 4.5229 | .01684 |
| Stddev | .00089 | .00098 | .00035 | .00204 | .00078  | .0367  | .00140 |
| %RSD   | 10.144 | 38.121 | 1.8032 | 16.854 | 36.264  | .81152 | 8.3200 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00977 | .00169 | .01963 | .01158 | -.00132 | 4.5032 | .01824 |
| #2 | .00817 | .00239 | .01907 | .01038 | -.00226 | 4.5652 | .01683 |
| #3 | .00831 | .00363 | .01971 | .01436 | -.00286 | 4.5002 | .01544 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00135 | -.00044 | 257.60 | .01205 | .00811 | .09864 | 22.793 |
| Stddev | .00015  | .00010  | .74    | .00034 | .00028 | .00016 | .083   |
| %RSD   | 11.203  | 21.981  | .28691 | 2.8346 | 3.4740 | .16425 | .36543 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00150 | -.00034 | 257.35 | .01243 | .00779 | .09850 | 22.836 |
| #2 | -.00133 | -.00044 | 257.01 | .01194 | .00823 | .09882 | 22.846 |
| #3 | -.00120 | -.00053 | 258.42 | .01177 | .00831 | .09861 | 22.697 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .33894 | 149.76 | .01507 | -.01005 | .42062 | .02077 | .02885 |
| Stddev | .00054 | .96    | .00055 | .00014  | .01042 | .00033 | .00028 |
| %RSD   | .16025 | .64033 | 3.6512 | 1.3959  | 2.4771 | 1.5886 | .98198 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .33943 | 148.90 | .01564 | -.01014 | .41015 | .02109 | .02916 |
| #2 | .33905 | 150.80 | .01455 | -.01012 | .43099 | .02043 | .02880 |
| #3 | .33836 | 149.58 | .01503 | -.00989 | .42071 | .02080 | .02860 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54301 | .00124 | .05163 | .46074 | .15972 | .00520 | .35166 |
| Stddev | .01650 | .00032 | .01415 | .00455 | .00293 | .00074 | .00471 |
| %RSD   | 3.0382 | 25.901 | 27.413 | .98777 | 1.8315 | 14.227 | 1.3402 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53053 | .00087 | .04398 | .46600 | .15858 | .00605 | .34953 |
| #2 | .56171 | .00140 | .06796 | .45821 | .16305 | .00482 | .34839 |
| #3 | .53679 | .00145 | .04294 | .45802 | .15754 | .00473 | .35706 |

Sample Name: K2086-02DLX10      Acquired: 3/29/2019 0:51:15      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02312 | .3343  | .06303 | 3.1901 | F<.00000 |
| Stddev | .00195 | .0027  | .00101 | .2853  | .81360   |
| %RSD   | 8.4217 | .8091  | 1.6034 | 8.9425 | 15.089   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02358 | .3357 | .06190 | 2.9559 | -4.8171 |
| #2 | .02098 | .3360 | .06335 | 3.5078 | -5.0359 |
| #3 | .02479 | .3312 | .06385 | 3.1065 | -6.3229 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3263.8 | 37593. | 3041.9 | 41.249 | 3430.9 |
| Stddev    | 3.3    | 170.   | 16.7   | 1.184  | 15.8   |
| %RSD      | .10183 | .45120 | .54908 | 2.8699 | .46099 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3266.0 | 37435. | 3022.7 | 39.971 | 3414.0 |
| #2 | 3260.0 | 37571. | 3051.9 | 42.308 | 3433.3 |
| #3 | 3265.5 | 37772. | 3051.2 | 41.467 | 3445.3 |

Sample Name: K2086-03DLX10      Acquired: 3/29/2019 0:55:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .01782 | .00332 | .01956 | .01003 | -.00397 | .67310 | .01409 | -.00066 |
| Stddev | .00081 | .00137 | .00072 | .00476 | .00194  | .01865 | .00073 | .00008  |
| %RSD   | 4.5366 | 41.428 | 3.7020 | 47.462 | 48.746  | 2.7709 | 5.1666 | 12.777  |

|    |        |        |        |        |         |        |        |         |
|----|--------|--------|--------|--------|---------|--------|--------|---------|
| #1 | .01857 | .00407 | .01903 | .01536 | -.00174 | .68291 | .01432 | -.00071 |
| #2 | .01696 | .00415 | .01925 | .00855 | -.00523 | .68480 | .01328 | -.00070 |
| #3 | .01792 | .00173 | .02038 | .00619 | -.00493 | .65159 | .01468 | -.00056 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 535.51 | .01314 | .00502 | .06642 | 15.962 | .43402 | 312.62 |
| Stddev | .00003  | 2.84   | .00043 | .00026 | .00027 | .021   | .00015 | .76    |
| %RSD   | 41.448  | .53071 | 3.3100 | 5.2449 | .39931 | .13343 | .03544 | .24464 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00006 | 538.02 | .01285 | .00497 | .06623 | 15.972 | .43390 | 311.98 |
| #2 | -.00005 | 532.42 | .01293 | .00479 | .06672 | 15.937 | .43398 | 312.41 |
| #3 | -.00010 | 536.08 | .01364 | .00531 | .06631 | 15.976 | .43420 | 313.47 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00544 | -.01402 | .47214 | .02285 | .02558 | .63832 | .00107 | .01727 |
| Stddev | .00073 | .00075  | .01847 | .00069 | .00004 | .02596 | .00019 | .00615 |
| %RSD   | 13.428 | 5.3273  | 3.9120 | 3.0118 | .15465 | 4.0664 | 17.473 | 35.621 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00571 | -.01342 | .45081 | .02293 | .02561 | .65245 | .00127 | .01452 |
| #2 | .00461 | -.01485 | .48249 | .02349 | .02554 | .60836 | .00090 | .02431 |
| #3 | .00600 | -.01378 | .48310 | .02212 | .02560 | .65414 | .00104 | .01297 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7488 | .25625 | .00315 | .05477 | .03783 | .2473  | .14343 | 3.7439 |
| Stddev | .0082  | .00346 | .00106 | .00323 | .00099 | .0040  | .00084 | .5536  |
| %RSD   | .46657 | 1.3502 | 33.671 | 5.9054 | 2.6231 | 1.619  | .58830 | 14.786 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.7564 | .25927 | .00361 | .05199 | .03893 | .2507 | .14402 | 4.1947 |
| #2 | 1.7497 | .25247 | .00389 | .05400 | .03701 | .2483 | .14381 | 3.9109 |
| #3 | 1.7402 | .25700 | .00193 | .05832 | .03756 | .2429 | .14246 | 3.1260 |

Sample Name: K2086-03DLX10      Acquired: 3/29/2019 0:55:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .60179  
Stddev      .33628  
%RSD      55.881

#1      .36889  
#2      .44915  
#3      .98732

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3167.6 | 36465. | 2985.0 | 39.305 | 3229.1 |
| Stddev    | 22.1   | 46.    | 12.4   | .836   | 9.4    |
| %RSD      | .69909 | .12723 | .41516 | 2.1268 | .29063 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3186.9 | 36438. | 2970.7 | 39.361 | 3239.3 |
| #2 | 3143.4 | 36519. | 2991.4 | 40.112 | 3220.8 |
| #3 | 3172.4 | 36438. | 2992.8 | 38.443 | 3227.3 |

Sample Name: CCV13      Acquired: 3/29/2019 1:00:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8581 | 4.9529 | 4.7284 | 5.0243 | 4.8798 | 9.5305 | 9.4819 | .24856   |
| Stddev | .0122  | .0164  | .0075  | .0173  | .0149  | .0759  | .0431  | .00064   |
| %RSD   | .25189 | .33111 | .15773 | .34358 | .30573 | .79605 | .45455 | .25911   |
| #1     | 4.8482 | 4.9452 | 4.7220 | 5.0210 | 4.8834 | 9.4617 | 9.5265 | .24895   |
| #2     | 4.8718 | 4.9718 | 4.7366 | 5.0430 | 4.8925 | 9.6119 | 9.4787 | .24782   |
| #3     | 4.8544 | 4.9419 | 4.7266 | 5.0090 | 4.8634 | 9.5178 | 9.4405 | .24892   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4246 | 24.968 | 1.0179 | 2.4388 | 1.2020 | 5.0942 | 2.4796 | 24.155   |
| Stddev | .0030  | .122   | .0070  | .0046  | .0014  | .0147  | .0028  | .146     |
| %RSD   | .12433 | .48911 | .68675 | .18679 | .11295 | .28883 | .11407 | .60242   |
| #1     | 2.4243 | 25.107 | 1.0146 | 2.4372 | 1.2012 | 5.0789 | 2.4771 | 23.994   |
| #2     | 2.4278 | 24.879 | 1.0132 | 2.4439 | 1.2036 | 5.0956 | 2.4790 | 24.196   |
| #3     | 2.4218 | 24.918 | 1.0259 | 2.4352 | 1.2013 | 5.1082 | 2.4827 | 24.276   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4446 | 1.2238 | 23.705 | 2.4731 | 2.4163 | 23.902 | 4.8359 | 4.9647   |
| Stddev | .0038  | .0038  | .086   | .0025  | .0033  | .087   | .0135  | .0746    |
| %RSD   | .15537 | .31285 | .36275 | .10097 | .13573 | .36414 | .27912 | 1.5037   |
| #1     | 2.4449 | 1.2225 | 23.796 | 2.4760 | 2.4172 | 23.901 | 4.8342 | 4.8801   |
| #2     | 2.4482 | 1.2208 | 23.693 | 2.4713 | 2.4190 | 23.990 | 4.8502 | 4.9928   |
| #3     | 2.4407 | 1.2281 | 23.625 | 2.4721 | 2.4127 | 23.816 | 4.8234 | 5.0212   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8081 | 5.1391 | 4.8288 | 5.0403 | 4.8386 | 4.914  | 4.8585 | F 2.9066 |
| Stddev | .0295  | .0778  | .0092  | .0249  | .0779  | .022   | .0800  | .2255    |
| %RSD   | .61251 | 1.5146 | .19034 | .49388 | 1.6090 | .4575  | 1.6474 | 7.7570   |
| #1     | 4.7905 | 5.2274 | 4.8209 | 5.0674 | 4.9278 | 4.898  | 4.9507 | 3.1649   |
| #2     | 4.8421 | 5.0802 | 4.8389 | 5.0185 | 4.7843 | 4.940  | 4.8071 | 2.7494   |
| #3     | 4.7918 | 5.1098 | 4.8266 | 5.0350 | 4.8037 | 4.904  | 4.8177 | 2.8055   |



Sample Name: CCV13      Acquired: 3/29/2019 1:00:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.9024  
Stddev      1.3985  
%RSD      73.513

#1      3.0095  
#2      .33072  
#3      2.3671

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3437.8 | 38930. | 3112.8 | 44.221 | 3638.5 |
| Stddev    | 12.8   | 104.   | 45.9   | 1.133  | 11.2   |
| %RSD      | .37339 | .26736 | 1.4746 | 2.5610 | .30756 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3430.2 | 38814. | 3061.8 | 43.250 | 3633.2 |
| #2 | 3430.7 | 39015. | 3150.8 | 43.949 | 3630.9 |
| #3 | 3452.7 | 38961. | 3125.9 | 45.465 | 3651.4 |

Sample Name: CCB13      Acquired: 3/29/2019 1:04:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |          |         |         |         |          |
|--------|---------|---------|---------|----------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960   | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00068 | .00149  | -.00246 | .00281   | -.00064 | -.02423 | -.00054 | -.00000  |
| Stddev | .00154  | .00027  | .00036  | .00139   | .00092  | .01000  | .00021  | .00002   |
| %RSD   | 225.17  | 18.483  | 14.829  | 49.680   | 144.72  | 41.280  | 40.017  | 583.22   |
| #1     | .00102  | .00128  | -.00266 | .00246   | .00020  | -.03362 | -.00070 | -.00002  |
| #2     | -.00199 | .00180  | -.00204 | .00162   | -.00163 | -.01371 | -.00061 | -.00002  |
| #3     | -.00108 | .00138  | -.00268 | .00434   | -.00048 | -.02537 | -.00029 | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286   | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00026 | -.00814 | .00151  | .00017   | -.00370 | .00596  | .00099  | -.11695  |
| Stddev | .00003  | .00730  | .00086  | .00009   | .00004  | .00058  | .00004  | .01241   |
| %RSD   | 10.827  | 89.580  | 56.968  | 50.687   | 1.1285  | 9.8163  | 4.2715  | 10.612   |
| #1     | -.00028 | -.00344 | .00068  | .00021   | -.00372 | .00556  | .00095  | -.10951  |
| #2     | -.00028 | -.01655 | .00145  | .00007   | -.00365 | .00568  | .00103  | -.11007  |
| #3     | -.00023 | -.00444 | .00240  | .00022   | -.00372 | .00663  | .00099  | -.13128  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924   | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00046  | -.00213 | -.05519 | .00012   | .00069  | .16042  | .00003  | .00898   |
| Stddev | .00024  | .00068  | .00902  | .00029   | .00008  | .02965  | .00032  | .00968   |
| %RSD   | 51.777  | 32.008  | 16.346  | 240.06   | 10.898  | 18.482  | 1098.6  | 107.73   |
| #1     | .00073  | -.00281 | -.05487 | -.00004  | .00075  | .13231  | .00039  | .01978   |
| #2     | .00040  | -.00213 | -.06437 | .00045   | .00072  | .15755  | -.00020 | .00108   |
| #3     | .00026  | -.00144 | -.04634 | -.00006  | .00061  | .19140  | -.00011 | .00609   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361   | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00284  | .00681  | .00061  | F .01153 | .00332  | .0035   | .00001  | F .66157 |
| Stddev | .00403  | .00090  | .00070  | .00495   | .00087  | .0006   | .00011  | .22285   |
| %RSD   | 141.91  | 13.231  | 116.03  | 42.975   | 26.222  | 16.74   | 731.38  | 33.685   |
| #1     | .00616  | .00729  | .00125  | .00678   | .00339  | .0040   | .00013  | .53727   |
| #2     | -.00165 | .00577  | .00071  | .01114   | .00241  | .0028   | -.00008 | .52859   |
| #3     | .00401  | .00737  | -.00014 | .01666   | .00415  | .0036   | -.00001 | .91885   |

Sample Name: CCB13      Acquired: 3/29/2019 1:04:04      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.4665 |
| Stddev | .7332    |
| %RSD   | 49.996   |

|    |        |
|----|--------|
| #1 | 2.2475 |
| #2 | 1.3591 |
| #3 | .79293 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3587.9 | 40290. | 3098.4 | 44.369 | 4084.2 |
| Stddev    | 5.8    | 157.   | 14.2   | 1.408  | 2.5    |
| %RSD      | .16057 | .38981 | .45830 | 3.1738 | .06050 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3582.8 | 40117. | 3094.5 | 42.767 | 4084.4 |
| #2 | 3594.2 | 40424. | 3086.5 | 44.933 | 4081.7 |
| #3 | 3586.8 | 40328. | 3114.1 | 45.408 | 4086.6 |

Sample Name: K2086-04DLX10      Acquired: 3/29/2019 1:08:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .01733 | .00338 | .02162 | .01347 | -.00479 | 3.5013 | .02706 |
| Stddev | .00089 | .00145 | .00012 | .00172 | .00095  | .0357  | .00057 |
| %RSD   | 5.1596 | 42.908 | .54201 | 12.748 | 19.851  | 1.0191 | 2.1116 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .01802 | .00171 | .02175 | .01543 | -.00519 | 3.4615 | .02718 |
| #2 | .01632 | .00434 | .02152 | .01278 | -.00547 | 3.5117 | .02643 |
| #3 | .01765 | .00409 | .02158 | .01221 | -.00370 | 3.5306 | .02756 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00136 | -.00046 | 301.10 | .01794 | .00827 | .08896 | 25.442 |
| Stddev | .00007  | .00005  | 1.83   | .00027 | .00002 | .00104 | .376   |
| %RSD   | 4.9374  | 10.525  | .60923 | 1.5093 | .25187 | 1.1699 | 1.4798 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00141 | -.00047 | 299.00 | .01804 | .00826 | .08791 | 25.241 |
| #2 | -.00129 | -.00050 | 302.39 | .01763 | .00827 | .08999 | 25.209 |
| #3 | -.00139 | -.00041 | 301.91 | .01815 | .00830 | .08897 | 25.876 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .40930 | 178.22 | .01741 | -.01103 | .34880 | .02733 | .04578 |
| Stddev | .00732 | 2.54   | .00066 | .00087  | .01838 | .00131 | .00015 |
| %RSD   | 1.7876 | 1.4273 | 3.7730 | 7.8744  | 5.2705 | 4.8027 | .31991 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .40575 | 176.44 | .01667 | -.01203 | .32939 | .02599 | .04565 |
| #2 | .40443 | 177.08 | .01767 | -.01062 | .35107 | .02739 | .04594 |
| #3 | .41771 | 181.13 | .01791 | -.01044 | .36594 | .02861 | .04575 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74024 | .00097 | .10520 | 1.9240 | .17786 | .00376 | .33361 |
| Stddev | .02094 | .00012 | .01216 | .0071  | .00447 | .00024 | .00843 |
| %RSD   | 2.8295 | 12.180 | 11.556 | .36809 | 2.5117 | 6.3718 | 2.5277 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72830 | .00109 | .11112 | 1.9159 | .17643 | .00399 | .32527 |
| #2 | .72800 | .00095 | .11327 | 1.9267 | .18287 | .00351 | .33343 |
| #3 | .76443 | .00086 | .09122 | 1.9292 | .17428 | .00377 | .34213 |

Sample Name: K2086-04DLX10      Acquired: 3/29/2019 1:08:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02408 | .5008  | .07240 | 2.5758 | F<.00000 |
| Stddev | .00148 | .0018  | .00065 | .8111  | 1.1221   |
| %RSD   | 6.1530 | .3560  | .89706 | 31.487 | 14.848   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02294 | .5020 | .07183 | 2.1047 | -8.5379 |
| #2 | .02355 | .4988 | .07311 | 2.1105 | -7.8006 |
| #3 | .02576 | .5017 | .07227 | 3.5124 | -6.3336 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3318.9 | 38222. | 3128.2 | 41.162 | 3441.2 |
| Stddev    | 5.7    | 461.   | 16.0   | .658   | 14.8   |
| %RSD      | .17291 | 1.2069 | .51179 | 1.5998 | .42960 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3325.3 | 38420. | 3146.7 | 41.900 | 3428.1 |
| #2 | 3314.2 | 38552. | 3118.1 | 40.634 | 3457.2 |
| #3 | 3317.3 | 37695. | 3119.9 | 40.951 | 3438.2 |

Sample Name: K2086-07DLX10      Acquired: 3/29/2019 1:13:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .02075 | .00374 | .01085 | .01827 | -.00255 | 4.6982 | .05394 |
| Stddev | .00267 | .00105 | .00067 | .00252 | .00122  | .0430  | .00113 |
| %RSD   | 12.860 | 28.133 | 6.2025 | 13.798 | 47.969  | .91601 | 2.0987 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .01826 | .00486 | .01146 | .01553 | -.00331 | 4.7003 | .05283 |
| #2 | .02042 | .00277 | .01013 | .02048 | -.00319 | 4.7401 | .05510 |
| #3 | .02357 | .00359 | .01096 | .01881 | -.00114 | 4.6541 | .05390 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00250 | -.00132 | 283.66 | .04034 | .01219 | .13515 | 45.788 |
| Stddev | .00019  | .00009  | 4.57   | .00077 | .00008 | .00152 | .360   |
| %RSD   | 7.7437  | 6.7318  | 1.6103 | 1.9147 | .63786 | 1.1254 | .78523 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00259 | -.00133 | 279.85 | .04091 | .01226 | .13343 | 46.029 |
| #2 | -.00227 | -.00140 | 288.72 | .03946 | .01221 | .13573 | 45.959 |
| #3 | -.00263 | -.00122 | 282.41 | .04066 | .01211 | .13630 | 45.374 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .55545 | 149.84 | .02769 | -.01124 | .32263 | .02882 | .10091 |
| Stddev | .00223 | .77    | .00058 | .00026  | .01122 | .00021 | .00050 |
| %RSD   | .40073 | .51388 | 2.1124 | 2.3221  | 3.4789 | .74607 | .49928 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .55748 | 150.31 | .02836 | -.01110 | .31245 | .02891 | .10080 |
| #2 | .55580 | 150.25 | .02733 | -.01154 | .32076 | .02897 | .10048 |
| #3 | .55307 | 148.95 | .02737 | -.01108 | .33467 | .02857 | .10146 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4838 | .00844 | .01990 | 2.4719 | .22194 | .00443 | .17313 |
| Stddev | .0315  | .00028 | .01714 | .0103  | .00466 | .00082 | .00334 |
| %RSD   | 2.1253 | 3.2742 | 86.145 | .41849 | 2.1018 | 18.528 | 1.9286 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5154 | .00867 | .01995 | 2.4608 | .21746 | .00482 | .16951 |
| #2 | 1.4523 | .00813 | .03701 | 2.4736 | .22677 | .00349 | .17610 |
| #3 | 1.4837 | .00850 | .00273 | 2.4812 | .22159 | .00498 | .17377 |

Sample Name: K2086-07DLX10      Acquired: 3/29/2019 1:13:03      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02426 | 1.150  | .10653 | 1.8513 | F<.00000 |
| Stddev | .00139 | .005   | .00267 | .2802  | 1.5349   |
| %RSD   | 5.7437 | .4268  | 2.5083 | 15.135 | 4.7622   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02303 | 1.146 | .10434 | 2.0364 | -30.531 |
| #2 | .02577 | 1.156 | .10951 | 1.9885 | -32.645 |
| #3 | .02396 | 1.149 | .10573 | 1.5289 | -33.516 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3369.4 | 38931. | 3138.8 | 42.189 | 3488.1 |
| Stddev    | 3.2    | 234.   | 45.4   | 1.135  | 5.9    |
| %RSD      | .09393 | .60167 | 1.4453 | 2.6901 | .16894 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3372.1 | 38741. | 3178.2 | 43.166 | 3484.8 |
| #2 | 3365.9 | 38861. | 3089.2 | 40.944 | 3484.5 |
| #3 | 3370.2 | 39193. | 3148.9 | 42.456 | 3494.9 |

Sample Name: K2093-01      Acquired: 3/29/2019 1:17:34      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30035-1      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00001 | -.00250 | .00318 | .00641 | -.00032 | .03722 | .10673 | .00090 |
| Stddev | .00126  | .00048  | .00074 | .00246 | .00137  | .01357 | .00151 | .00006 |
| %RSD   | 10549.  | 19.208  | 23.232 | 38.417 | 424.22  | 36.472 | 1.4130 | 7.0245 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00088 | -.00206 | .00273 | .00491 | -.00101 | .03373 | .10504 | .00086 |
| #2 | .00144  | -.00301 | .00278 | .00925 | -.00121 | .02573 | .10795 | .00088 |
| #3 | -.00060 | -.00242 | .00403 | .00507 | .00126  | .05219 | .10718 | .00098 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00083 | 21.408 | .00295 | .01210 | -.00042 | 2.7037 | .39818 | 7.9208 |
| Stddev | .00006 | .131   | .00042 | .00035 | .00038  | .0050  | .00028 | .0827  |
| %RSD   | 7.5819 | .61297 | 14.229 | 2.8561 | 89.967  | .18639 | .06941 | 1.0436 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00089 | 21.257 | .00250 | .01171 | -.00004 | 2.7007 | .39786 | 7.8650 |
| #2 | .00082 | 21.494 | .00334 | .01222 | -.00043 | 2.7009 | .39839 | 7.8816 |
| #3 | .00076 | 21.473 | .00300 | .01237 | -.00080 | 2.7096 | .39828 | 8.0157 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01548 | -.00235 | 201.07 | -.00013 | .32381 | 6.0593 | .00359 | .15462 |
| Stddev | .00080 | .00076  | 1.56   | .00046  | .00021 | .1086  | .00030 | .00197 |
| %RSD   | 5.1788 | 32.417  | .77531 | 348.51  | .06349 | 1.7929 | 8.3247 | 1.2738 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01636 | -.00317 | 200.31 | .00040  | .32394 | 5.9576 | .00345 | .15495 |
| #2 | .01528 | -.00222 | 200.05 | -.00040 | .32357 | 6.0466 | .00339 | .15251 |
| #3 | .01479 | -.00167 | 202.87 | -.00040 | .32392 | 6.1738 | .00393 | .15641 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1985 | 4.6995 | -.00304 | .01112 | .08368 | .0621  | .15624 | 1.9334 |
| Stddev | .0088  | .0387  | .00115  | .00369 | .00143 | .0006  | .00085 | .6417  |
| %RSD   | .16831 | .82379 | 37.853  | 33.168 | 1.7087 | 1.011  | .54702 | 33.191 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 5.2044 | 4.7170 | -.00327 | .00963 | .08436 | .0627 | .15530 | 1.8720 |
| #2 | 5.2026 | 4.7264 | -.00407 | .01532 | .08204 | .0622 | .15697 | 1.3245 |
| #3 | 5.1884 | 4.6552 | -.00180 | .00841 | .08465 | .0615 | .15646 | 2.6035 |



Sample Name: K2093-01      Acquired: 3/29/2019 1:17:34      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30035-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.6373  
 Stddev      .2676  
 %RSD      16.346

#1      1.8280  
 #2      1.3313  
 #3      1.7526

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3401.0 | 38808. | 3125.6 | 44.721 | 3703.8 |
| Stddev    | 12.4   | 52.    | 14.6   | .740   | 13.9   |
| %RSD      | .36521 | .13372 | .46699 | 1.6539 | .37460 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3392.6 | 38835. | 3110.4 | 44.257 | 3690.1 |
| #2 | 3395.1 | 38841. | 3126.8 | 45.574 | 3703.6 |
| #3 | 3415.2 | 38749. | 3139.5 | 44.332 | 3717.8 |

Sample Name: K2093-02      Acquired: 3/29/2019 1:21:58      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30091-30097-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |         |        |         |
|--------|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00216 | -.00132 | .03534 | .00587 | .00080 | -.02585 | .09902 | -.00060 |
| Stddev | .00195 | .00102  | .00099 | .00104 | .00069 | .01512  | .00114 | .00008  |
| %RSD   | 90.156 | 77.203  | 2.8098 | 17.741 | 86.542 | 58.504  | 1.1538 | 12.689  |

|    |        |         |        |        |        |         |        |         |
|----|--------|---------|--------|--------|--------|---------|--------|---------|
| #1 | .00415 | -.00240 | .03645 | .00553 | .00044 | -.03416 | .10027 | -.00054 |
| #2 | .00206 | -.00036 | .03456 | .00504 | .00036 | -.03499 | .09878 | -.00069 |
| #3 | .00026 | -.00121 | .03499 | .00704 | .00160 | -.00839 | .09802 | -.00059 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00057 | 64.557 | .00171 | .00161 | .00514 | 8.1545 | .15072 | 1.1539 |
| Stddev | .00009  | .562   | .00028 | .00009 | .00047 | .0095  | .00153 | .0994  |
| %RSD   | 14.973  | .87009 | 16.391 | 5.4083 | 9.1679 | .11703 | 1.0144 | 8.6110 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00048 | 64.825 | .00199 | .00152 | .00460 | 8.1467 | .15161 | 1.0691 |
| #2 | -.00065 | 64.934 | .00169 | .00169 | .00539 | 8.1516 | .14895 | 1.2633 |
| #3 | -.00059 | 63.911 | .00143 | .00163 | .00544 | 8.1651 | .15158 | 1.1294 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00466 | -.00427 | 230.81 | .00174 | .47726 | .68726 | .00104 | .19818 |
| Stddev | .00029 | .00019  | .70    | .00047 | .00238 | .02335 | .00010 | .01474 |
| %RSD   | 6.2579 | 4.5526  | .30412 | 27.034 | .49784 | 3.3975 | 10.011 | 7.4393 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00451 | -.00446 | 230.17 | .00144 | .48001 | .67789 | .00096 | .18758 |
| #2 | .00500 | -.00407 | 231.56 | .00228 | .47588 | .71384 | .00100 | .19195 |
| #3 | .00448 | -.00429 | 230.70 | .00150 | .47591 | .67005 | .00116 | .21502 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .56329 | .61144 | -.00017 | .00938 | .89703 | .2072  | .07831 | 1.0322 |
| Stddev | .00442 | .00627 | .00154  | .00326 | .00506 | .0036  | .00030 | .8036  |
| %RSD   | .78422 | 1.0255 | 904.59  | 34.724 | .56383 | 1.745  | .38200 | 77.861 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .56453 | .61595 | .00130  | .00625 | .89171 | .2105 | .07828 | .32767 |
| #2 | .56696 | .60428 | -.00178 | .00914 | .89763 | .2079 | .07863 | 1.9075 |
| #3 | .55839 | .61410 | -.00003 | .01276 | .90177 | .2033 | .07803 | .86131 |

Sample Name: K2093-02      Acquired: 3/29/2019 1:21:58      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30091-30097-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.2366 |
| Stddev | 1.5243 |
| %RSD   | 68.153 |

|    |        |
|----|--------|
| #1 | .92658 |
| #2 | 3.9096 |
| #3 | 1.8735 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3457.1 | 39520. | 3195.5 | 45.018 | 3697.0 |
| Stddev    | 9.3    | 74.    | 1.9    | .645   | 24.8   |
| %RSD      | .26825 | .18725 | .06018 | 1.4338 | .67129 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3448.9 | 39508. | 3193.4 | 44.365 | 3674.8 |
| #2 | 3455.3 | 39453. | 3196.2 | 45.032 | 3692.5 |
| #3 | 3467.2 | 39600. | 3197.0 | 45.656 | 3723.8 |

Sample Name: K2104-03      Acquired: 3/29/2019 1:26:23      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DRUM-1      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |        |         |        |         |
|--------|---------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00061 | -.00182 | -.00119 | .00224 | .00090 | -.00422 | .10690 | -.00005 |
| Stddev | .00322  | .00062  | .00121  | .00058 | .00207 | .00896  | .00035 | .00002  |
| %RSD   | 528.33  | 33.965  | 102.11  | 25.727 | 230.43 | 212.32  | .32658 | 43.290  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00095  | -.00127 | .00019  | .00224 | -.00147 | -.01280 | .10730 | -.00004 |
| #2 | -.00432 | -.00169 | -.00208 | .00282 | .00181  | -.00493 | .10671 | -.00007 |
| #3 | .00153  | -.00248 | -.00167 | .00167 | .00235  | .00507  | .10669 | -.00003 |

|        |         |        |        |         |         |        |        |         |
|--------|---------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00018 | .18171 | .00261 | -.00024 | -.00097 | .02783 | .00115 | -.10178 |
| Stddev | .00004  | .02861 | .00054 | .00020  | .00028  | .00018 | .00010 | .07474  |
| %RSD   | 20.671  | 15.743 | 20.703 | 82.885  | 28.463  | .65822 | 8.4508 | 73.436  |

|    |         |        |        |         |         |        |        |         |
|----|---------|--------|--------|---------|---------|--------|--------|---------|
| #1 | -.00018 | .21300 | .00320 | -.00046 | -.00088 | .02798 | .00125 | -.18760 |
| #2 | -.00014 | .15690 | .00213 | -.00009 | -.00076 | .02789 | .00113 | -.05100 |
| #3 | -.00021 | .17522 | .00252 | -.00016 | -.00129 | .02763 | .00106 | -.06673 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00189 | -.00253 | 299.28 | .00055 | .07299 | .35579 | -.00015 | .01614 |
| Stddev | .00071 | .00066  | 2.36   | .00068 | .00011 | .04260 | .00012  | .01667 |
| %RSD   | 37.654 | 26.076  | .79023 | 124.86 | .15487 | 11.975 | 81.416  | 103.23 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00148 | -.00305 | 296.82 | .00060  | .07286 | .39694 | -.00023 | .02141  |
| #2 | .00149 | -.00277 | 299.50 | -.00016 | .07301 | .35858 | -.00001 | -.00252 |
| #3 | .00271 | -.00179 | 301.53 | .00121  | .07309 | .31186 | -.00020 | .02954  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10596 | .01774 | -.00144 | .01009 | .00651 | .0047  | .00131 | 1.4931 |
| Stddev | .00288 | .00271 | .00067  | .00236 | .00085 | .0002  | .00009 | .4638  |
| %RSD   | 2.7183 | 15.303 | 46.851  | 23.427 | 13.061 | 5.255  | 6.4905 | 31.061 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .10285 | .01804 | -.00112 | .01274 | .00553 | .0049 | .00127 | 1.7136 |
| #2 | .10853 | .02029 | -.00098 | .00933 | .00700 | .0047 | .00126 | .96019 |
| #3 | .10650 | .01489 | -.00221 | .00820 | .00701 | .0044 | .00141 | 1.8054 |

Sample Name: K2104-03      Acquired: 3/29/2019 1:26:23      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DRUM-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.9953  
 Stddev      1.1421  
 %RSD      28.585

#1      5.2458  
 #2      3.7326  
 #3      3.0075

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3456.9 | 39522. | 3188.2 | 44.872 | 3714.1 |
| Stddev    | 6.9    | 112.   | 8.8    | 1.354  | 15.2   |
| %RSD      | .19962 | .28346 | .27501 | 3.0167 | .40958 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3464.7 | 39552. | 3186.5 | 43.892 | 3717.2 |
| #2 | 3454.7 | 39398. | 3197.8 | 46.417 | 3727.5 |
| #3 | 3451.4 | 39616. | 3180.5 | 44.308 | 3697.6 |

Sample Name: K2104-04      Acquired: 3/29/2019 1:31:01      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DRUM-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00000 | -.00139 | -.00215 | .00290 | -.00037 | -.00995 | .11809 | -.00004 |
| Stddev | .00135 | .00084  | .00094  | .00123 | .00113  | .00756  | .00056 | .00004  |
| %RSD   | 87350. | 60.076  | 43.649  | 42.364 | 307.60  | 76.047  | .47546 | 94.393  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00141 | -.00151 | -.00137 | .00301 | -.00124 | -.01416 | .11818 | -.00008 |
| #2 | .00127  | -.00051 | -.00188 | .00162 | -.00077 | -.01447 | .11749 | -.00005 |
| #3 | .00014  | -.00217 | -.00319 | .00407 | .00091  | -.00121 | .11860 | -.00000 |

|        |         |        |        |         |         |         |        |         |
|--------|---------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00021 | .11334 | .00207 | -.00032 | -.00387 | -.00440 | .00011 | -.08650 |
| Stddev | .00006  | .03495 | .00037 | .00005  | .00012  | .00024  | .00005 | .01151  |
| %RSD   | 30.084  | 30.839 | 17.695 | 16.606  | 3.2084  | 5.5543  | 45.028 | 13.307  |

|    |         |        |        |         |         |         |        |         |
|----|---------|--------|--------|---------|---------|---------|--------|---------|
| #1 | -.00028 | .13989 | .00239 | -.00033 | -.00373 | -.00421 | .00014 | -.07426 |
| #2 | -.00018 | .12639 | .00167 | -.00037 | -.00393 | -.00468 | .00005 | -.08815 |
| #3 | -.00017 | .07374 | .00214 | -.00026 | -.00396 | -.00432 | .00014 | -.09710 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00175 | -.00232 | 322.18 | .00054 | .06965 | .30690 | -.00033 | .03254 |
| Stddev | .00029 | .00066  | 2.98   | .00037 | .00024 | .02562 | .00017  | .00118 |
| %RSD   | 16.754 | 28.554  | .92559 | 68.431 | .34441 | 8.3481 | 51.283  | 3.6389 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00144 | -.00172 | 324.79 | .00092 | .06950 | .31328 | -.00045 | .03125 |
| #2 | .00202 | -.00303 | 318.93 | .00052 | .06953 | .27869 | -.00014 | .03358 |
| #3 | .00179 | -.00222 | 322.82 | .00018 | .06993 | .32873 | -.00039 | .03278 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .13970 | .01749 | -.00059 | .01064 | .00636 | .0046  | .00150 | 2.0000 |
| Stddev | .00402 | .00271 | .00068  | .00172 | .00118 | .0007  | .00011 | .3699  |
| %RSD   | 2.8771 | 15.501 | 114.42  | 16.202 | 18.609 | 14.34  | 7.6490 | 18.494 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .14167 | .02002 | -.00137 | .01065 | .00581 | .0053 | .00163 | 2.2790 |
| #2 | .14235 | .01783 | -.00027 | .00891 | .00555 | .0043 | .00142 | 1.5804 |
| #3 | .13507 | .01463 | -.00014 | .01236 | .00772 | .0041 | .00145 | 2.1405 |

Sample Name: K2104-04      Acquired: 3/29/2019 1:31:01      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DRUM-2      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      4.4152  
 Stddev      1.1813  
 %RSD      26.754

#1      5.7789  
 #2      3.7065  
 #3      3.7604

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3438.5 | 38956. | 3106.1 | 43.494 | 3677.9 |
| Stddev    | 4.4    | 146.   | 138.0  | 2.207  | 4.9    |
| %RSD      | .12683 | .37432 | 4.4415 | 5.0733 | .13211 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3434.4 | 38802. | 2946.8 | 41.000 | 3682.5 |
| #2 | 3443.1 | 39092. | 3181.6 | 44.292 | 3672.8 |
| #3 | 3438.2 | 38975. | 3189.7 | 45.192 | 3678.4 |

Sample Name: K2107-02      Acquired: 3/29/2019 1:35:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00053 | -.00037 | .00230 | .00506 | -.00189 | .14584 | .11956 | .00006 |
| Stddev | .00034 | .00047  | .00065 | .00168 | .00056  | .01107 | .00150 | .00010 |
| %RSD   | 64.965 | 126.87  | 28.201 | 33.183 | 29.558  | 7.5934 | 1.2553 | 159.14 |

|    |        |         |        |        |         |        |        |         |
|----|--------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00092 | -.00062 | .00221 | .00569 | -.00253 | .15295 | .12077 | .00017  |
| #2 | .00030 | -.00067 | .00171 | .00633 | -.00158 | .13308 | .12004 | -.00002 |
| #3 | .00037 | .00017  | .00299 | .00316 | -.00155 | .15150 | .11788 | .00003  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00017 | 6.2662 | .00257 | .00076 | .00164 | .02383 | .04942 | .90659 |
| Stddev | .00003  | .0572  | .00012 | .00014 | .00023 | .00103 | .00013 | .09448 |
| %RSD   | 19.907  | .91229 | 4.7770 | 18.199 | 13.898 | 4.3257 | .26415 | 10.422 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00018 | 6.2190 | .00245 | .00084 | .00190 | .02276 | .04942 | .95035 |
| #2 | -.00019 | 6.2499 | .00270 | .00084 | .00153 | .02391 | .04955 | .79815 |
| #3 | -.00013 | 6.3297 | .00256 | .00060 | .00149 | .02481 | .04929 | .97125 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00045 | -.00240 | 304.19 | .00051 | .01482 | .58325 | -.00022 | -.00007 |
| Stddev | .00060 | .00071  | 1.69   | .00037 | .00010 | .04014 | .00022  | .02050  |
| %RSD   | 132.71 | 29.551  | .55421 | 73.997 | .68811 | 6.8819 | 104.40  | 31187.  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00115 | -.00160 | 305.70 | .00083 | .01478 | .53699 | -.00027 | -.01396 |
| #2 | .00018 | -.00263 | 302.37 | .00059 | .01474 | .60882 | .00003  | -.00971 |
| #3 | .00004 | -.00296 | 304.50 | .00010 | .01493 | .60394 | -.00041 | .02347  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .58543 | .37705 | -.00133 | .01098 | .00683 | .0067  | .02006 | 2.3876 |
| Stddev | .00546 | .00472 | .00084  | .00558 | .00209 | .0015  | .00021 | .2069  |
| %RSD   | .93194 | 1.2531 | 62.799  | 50.851 | 30.547 | 22.27  | 1.0520 | 8.6658 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .57988 | .37633 | -.00041 | .00591 | .00760 | .0052 | .02013 | 2.5195 |
| #2 | .58564 | .37273 | -.00156 | .01696 | .00447 | .0082 | .01982 | 2.4941 |
| #3 | .59079 | .38210 | -.00203 | .01006 | .00842 | .0066 | .02023 | 2.1491 |



Sample Name: K2107-02      Acquired: 3/29/2019 1:35:39      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.0479 |
| Stddev | 1.0568 |
| %RSD   | 26.108 |

|    |        |
|----|--------|
| #1 | 2.8521 |
| #2 | 4.4352 |
| #3 | 4.8565 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3440.8 | 38955. | 3113.7 | 43.067 | 3650.1 |
| Stddev    | 12.6   | 156.   | 31.6   | 1.098  | 3.5    |
| %RSD      | .36583 | .39976 | 1.0138 | 2.5490 | .09666 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3426.2 | 38790. | 3123.8 | 41.800 | 3651.6 |
| #2 | 3447.8 | 38974. | 3138.9 | 43.658 | 3652.6 |
| #3 | 3448.2 | 39099. | 3078.3 | 43.742 | 3646.1 |

Sample Name: K2107-04      Acquired: 3/29/2019 1:40:17      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00207 | -.00127 | .00539 | .00174 | -.00183 | .24938 | .24359 | .00008 |
| Stddev | .00220 | .00026  | .00139 | .00443 | .00054  | .01029 | .00205 | .00007 |
| %RSD   | 106.52 | 20.177  | 25.815 | 254.06 | 29.534  | 4.1272 | .84189 | 84.196 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00461 | -.00155 | .00628 | -.00054 | -.00127 | .25553 | .24524 | .00000 |
| #2 | .00078 | -.00119 | .00379 | .00685  | -.00236 | .23750 | .24129 | .00011 |
| #3 | .00081 | -.00106 | .00612 | -.00108 | -.00187 | .25511 | .24423 | .00013 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 15.029 | .00212 | .00508 | .00149 | .01980 | .17012 | .78868 |
| Stddev | .00003  | .156   | .00017 | .00032 | .00015 | .00054 | .00041 | .01298 |
| %RSD   | 40.754  | 1.0398 | 7.9487 | 6.2895 | 9.8954 | 2.7240 | .24083 | 1.6463 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00005 | 14.889 | .00229 | .00473 | .00153 | .02040 | .17036 | .78982 |
| #2 | -.00012 | 15.198 | .00210 | .00535 | .00133 | .01936 | .17036 | .80105 |
| #3 | -.00008 | 15.001 | .00196 | .00518 | .00162 | .01963 | .16965 | .77516 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00074 | -.00307 | 334.86 | .00004 | .02167 | 1.0055 | -.00031 | .01181 |
| Stddev | .00035 | .00043  | 3.30   | .00012 | .00016 | .0182  | .00019  | .00891 |
| %RSD   | 47.017 | 13.881  | .98651 | 329.07 | .75897 | 1.8098 | 59.835  | 75.398 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00050 | -.00303 | 337.49 | .00013  | .02178 | .99182 | -.00041 | .02202 |
| #2 | .00114 | -.00266 | 331.15 | -.00010 | .02173 | .99858 | -.00043 | .00562 |
| #3 | .00059 | -.00351 | 335.94 | .00007  | .02148 | 1.0262 | -.00010 | .00779 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.7314 | .36604 | -.00106 | .00944 | .00708 | .0051  | .02751 | .30027 |
| Stddev | .0078  | .00607 | .00082  | .00334 | .00135 | .0021  | .00031 | .25240 |
| %RSD   | .45015 | 1.6576 | 77.846  | 35.368 | 19.107 | 41.97  | 1.1087 | 84.059 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.7300 | .36305 | -.00065 | .01053 | .00708 | .0073 | .02765 | .22967 |
| #2 | 1.7245 | .37302 | -.00201 | .00569 | .00573 | .0031 | .02772 | .09068 |
| #3 | 1.7399 | .36204 | -.00052 | .01210 | .00843 | .0048 | .02716 | .58045 |

Sample Name: K2107-04      Acquired: 3/29/2019 1:40:17      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.7276 |
| Stddev | .8234  |
| %RSD   | 30.190 |

|    |        |
|----|--------|
| #1 | 2.9455 |
| #2 | 1.8171 |
| #3 | 3.4201 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3564.3 | 40914. | 3267.7 | 44.336 | 3615.7 |
| Stddev    | 9.3    | 212.   | 35.4   | 1.675  | 11.8   |
| %RSD      | .26096 | .51703 | 1.0833 | 3.7779 | .32596 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3557.9 | 40706. | 3278.4 | 44.200 | 3602.4 |
| #2 | 3575.0 | 40907. | 3228.2 | 42.733 | 3624.7 |
| #3 | 3560.1 | 41129. | 3296.6 | 46.075 | 3620.0 |

Sample Name: K2107-06      Acquired: 3/29/2019 1:44:56      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-3      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | -.00237 | -.00008 | .00256 | .00090 | .12970 | .07400 | .00004 |
| Stddev | .00107 | .00070  | .00086  | .00140 | .00168 | .01273 | .00018 | .00005 |
| %RSD   | 320.74 | 29.513  | 1093.9  | 54.453 | 186.72 | 9.8167 | .24408 | 107.92 |

|    |         |         |         |        |         |        |        |         |
|----|---------|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00055 | -.00228 | -.00095 | .00389 | .00281  | .14380 | .07414 | .00008  |
| #2 | .00152  | -.00311 | -.00006 | .00268 | .00025  | .12625 | .07380 | -.00001 |
| #3 | .00004  | -.00172 | .00077  | .00111 | -.00036 | .11904 | .07405 | .00005  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00022 | 3.1000 | .00219 | .00178 | .00164 | .02853 | .03473 | .72801 |
| Stddev | .00005  | .0169  | .00053 | .00008 | .00040 | .00018 | .00043 | .07184 |
| %RSD   | 23.877  | .54554 | 24.011 | 4.4735 | 24.195 | .64566 | 1.2436 | 9.8684 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00017 | 3.1022 | .00249 | .00180 | .00198 | .02851 | .03522 | .77617 |
| #2 | -.00022 | 3.0821 | .00250 | .00185 | .00120 | .02835 | .03456 | .64543 |
| #3 | -.00027 | 3.1157 | .00158 | .00169 | .00175 | .02872 | .03440 | .76242 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00102 | -.00261 | 347.12 | .00022 | .01272 | .69153 | -.00024 | .01707 |
| Stddev | .00024 | .00049  | .90    | .00047 | .00007 | .03832 | .00023  | .00802 |
| %RSD   | 23.850 | 18.996  | .26060 | 217.93 | .58576 | 5.5418 | 98.906  | 47.004 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00110 | -.00231 | 346.53 | .00074  | .01264 | .71803 | -.00045 | .02583 |
| #2 | .00121 | -.00233 | 346.67 | -.00019 | .01279 | .70897 | -.00027 | .01008 |
| #3 | .00074 | -.00318 | 348.16 | .00010  | .01274 | .64758 | .00001  | .01531 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38574 | .26352 | -.00167 | .00796 | .00592 | .0063  | .01679 | 1.0548 |
| Stddev | .00247 | .00528 | .00027  | .00222 | .00205 | .0021  | .00016 | .6204  |
| %RSD   | .64048 | 2.0035 | 16.487  | 27.949 | 34.692 | 34.19  | .93135 | 58.817 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .38289 | .26692 | -.00190 | .00553 | .00356 | .0088 | .01696 | .40241 |
| #2 | .38698 | .26620 | -.00136 | .00989 | .00691 | .0053 | .01666 | 1.1246 |
| #3 | .38733 | .25743 | -.00174 | .00845 | .00730 | .0048 | .01674 | 1.6373 |

Sample Name: K2107-06      Acquired: 3/29/2019 1:44:56      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-3      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.5850  
 Stddev      .4051  
 %RSD      11.300

#1      3.1574  
 #2      3.9630  
 #3      3.6347

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.4 | 39562. | 3185.3 | 44.489 | 3665.3 |
| Stddev    | 10.0   | 158.   | 19.0   | 1.482  | 12.0   |
| %RSD      | .28928 | .39951 | .59506 | 3.3319 | .32761 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3474.3 | 39406. | 3173.8 | 43.217 | 3678.2 |
| #2 | 3455.1 | 39558. | 3174.8 | 44.133 | 3663.1 |
| #3 | 3469.8 | 39722. | 3207.2 | 46.117 | 3654.5 |

Sample Name: K2107-08      Acquired: 3/29/2019 1:49:34      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-4      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |        |        |        |
|--------|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00054 | -.00127 | -.00131 | .00329 | -.00184 | .10038 | .07266 | .00005 |
| Stddev | .00120 | .00073  | .00064  | .00248 | .00112  | .00275 | .00231 | .00005 |
| %RSD   | 221.70 | 57.643  | 48.847  | 75.535 | 60.841  | 2.7371 | 3.1780 | 106.52 |

|    |         |         |         |        |         |        |        |         |
|----|---------|---------|---------|--------|---------|--------|--------|---------|
| #1 | .00058  | -.00185 | -.00202 | .00610 | -.00246 | .10353 | .07108 | .00005  |
| #2 | -.00068 | -.00151 | -.00078 | .00139 | -.00055 | .09846 | .07158 | -.00001 |
| #3 | .00173  | -.00045 | -.00113 | .00238 | -.00251 | .09916 | .07531 | .00009  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00025 | 4.1193 | .00244 | .00406 | -.00055 | .01901 | .08851 | .59303 |
| Stddev | .00006  | .0277  | .00037 | .00026 | .00005  | .00120 | .00024 | .09374 |
| %RSD   | 21.843  | .67223 | 15.038 | 6.2971 | 9.0877  | 6.2991 | .27125 | 15.808 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00031 | 4.0874 | .00265 | .00419 | -.00050 | .01797 | .08830 | .55824 |
| #2 | -.00025 | 4.1346 | .00201 | .00377 | -.00057 | .01874 | .08845 | .69919 |
| #3 | -.00020 | 4.1361 | .00264 | .00423 | -.00059 | .02032 | .08877 | .52165 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00036 | -.00286 | 249.93 | .00063 | .01325 | .57016 | -.00023 | .02089 |
| Stddev | .00029 | .00026  | .94    | .00047 | .00005 | .03362 | .00039  | .01027 |
| %RSD   | 80.166 | 9.0930  | .37663 | 75.078 | .40884 | 5.8964 | 170.16  | 49.169 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00068 | -.00307 | 248.96 | .00056 | .01320 | .57495 | -.00004 | .00992 |
| #2 | .00010 | -.00257 | 249.99 | .00020 | .01331 | .60113 | -.00068 | .03028 |
| #3 | .00031 | -.00296 | 250.84 | .00113 | .01324 | .53441 | .00003  | .02247 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .63478 | .27982 | -.00222 | .01332 | .00411 | .0057  | .01664 | 1.7776 |
| Stddev | .00423 | .00521 | .00095  | .00077 | .00070 | .0018  | .00020 | .2971  |
| %RSD   | .66559 | 1.8609 | 42.826  | 5.7704 | 17.050 | 30.88  | 1.1735 | 16.712 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .63234 | .27449 | -.00274 | .01274 | .00331 | .0077 | .01651 | 1.6899 |
| #2 | .63235 | .28489 | -.00113 | .01301 | .00445 | .0045 | .01656 | 2.1087 |
| #3 | .63966 | .28009 | -.00281 | .01419 | .00458 | .0049 | .01687 | 1.5344 |

Sample Name: K2107-08      Acquired: 3/29/2019 1:49:34      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-4      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.8271 |
| Stddev | .8121  |
| %RSD   | 28.725 |

|    |        |
|----|--------|
| #1 | 1.9815 |
| #2 | 3.6009 |
| #3 | 2.8989 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.0 | 39602. | 3168.0 | 44.266 | 3704.4 |
| Stddev    | 10.2   | 121.   | 7.6    | .529   | 27.7   |
| %RSD      | .29508 | .30505 | .23994 | 1.1940 | .74672 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3469.4 | 39697. | 3173.8 | 44.474 | 3733.3 |
| #2 | 3454.5 | 39642. | 3159.4 | 44.658 | 3678.1 |
| #3 | 3474.1 | 39466. | 3170.8 | 43.665 | 3701.7 |

Sample Name: CCV14      Acquired: 3/29/2019 1:54:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14775      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8525 | 4.9758 | 4.7014 | 5.0359 | 4.8515 | 9.4630 | 9.3655 | .24745   |
| Stddev | .0075  | .0051  | .0076  | .0163  | .0043  | .0899  | .0278  | .00017   |
| %RSD   | .15447 | .10223 | .16082 | .32411 | .08828 | .94997 | .29717 | .06910   |
| #1     | 4.8480 | 4.9801 | 4.7030 | 5.0442 | 4.8552 | 9.3648 | 9.3548 | .24727   |
| #2     | 4.8611 | 4.9702 | 4.6931 | 5.0463 | 4.8525 | 9.5412 | 9.3971 | .24745   |
| #3     | 4.8483 | 4.9770 | 4.7080 | 5.0171 | 4.8468 | 9.4831 | 9.3446 | .24762   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4226 | 25.444 | 1.0280 | 2.4350 | 1.2003 | 5.1480 | 2.4743 | 23.876   |
| Stddev | .0057  | .052   | .0019  | .0032  | .0011  | .0080  | .0023  | .425     |
| %RSD   | .23589 | .20541 | .18088 | .13014 | .09204 | .15511 | .09453 | 1.7792   |
| #1     | 2.4246 | 25.391 | 1.0267 | 2.4371 | 1.2007 | 5.1510 | 2.4727 | 23.417   |
| #2     | 2.4161 | 25.447 | 1.0302 | 2.4314 | 1.1990 | 5.1390 | 2.4732 | 24.255   |
| #3     | 2.4270 | 25.495 | 1.0272 | 2.4365 | 1.2011 | 5.1541 | 2.4770 | 23.955   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4441 | 1.2270 | 23.874 | 2.4755 | 2.4086 | 23.757 | 4.8374 | 4.9310   |
| Stddev | .0022  | .0020  | .063   | .0034  | .0045  | .130   | .0071  | .0805    |
| %RSD   | .09000 | .16456 | .26353 | .13857 | .18779 | .54825 | .14593 | 1.6332   |
| #1     | 2.4445 | 1.2255 | 23.810 | 2.4716 | 2.4123 | 23.808 | 4.8444 | 4.8385   |
| #2     | 2.4460 | 1.2263 | 23.936 | 2.4770 | 2.4036 | 23.854 | 4.8374 | 4.9848   |
| #3     | 2.4417 | 1.2293 | 23.876 | 2.4779 | 2.4100 | 23.609 | 4.8303 | 4.9698   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7868 | 5.1932 | 4.8695 | 5.0798 | 4.9031 | 4.947  | 4.9043 | F 2.7042 |
| Stddev | .0261  | .0307  | .0132  | .0235  | .0334  | .011   | .0356  | .3959    |
| %RSD   | .54423 | .59130 | .27039 | .46271 | .68074 | .2151  | .72550 | 14.639   |
| #1     | 4.7603 | 5.2275 | 4.8647 | 5.0694 | 4.9387 | 4.937  | 4.9408 | 2.9841   |
| #2     | 4.7876 | 5.1684 | 4.8593 | 5.1067 | 4.8983 | 4.958  | 4.9023 | 2.8772   |
| #3     | 4.8124 | 5.1835 | 4.8843 | 5.0633 | 4.8725 | 4.947  | 4.8697 | 2.2513   |



Sample Name: CCV14      Acquired: 3/29/2019 1:54:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14775      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.9395 |
| Stddev | .5032    |
| %RSD   | 25.945   |

|    |        |
|----|--------|
| #1 | 2.4831 |
| #2 | 1.8457 |
| #3 | 1.4898 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3474.6 | 39458. | 3091.9 | 43.016 | 3674.0 |
| Stddev    | 9.0    | 114.   | 18.2   | 1.211  | 4.9    |
| %RSD      | .25853 | .28821 | .58927 | 2.8153 | .13296 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3468.8 | 39580. | 3071.5 | 42.240 | 3668.8 |
| #2 | 3470.1 | 39354. | 3097.8 | 44.412 | 3674.6 |
| #3 | 3485.0 | 39441. | 3106.4 | 42.398 | 3678.6 |

Sample Name: CCB14      Acquired: 3/29/2019 1:58:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14775      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00054 | .00103 | -.00255 | .00193 | -.00045 | -.01226 | .00034 |
| Stddev | .00114 | .00054 | .00050  | .00239 | .00140  | .00857  | .00058 |
| %RSD   | 211.89 | 51.988 | 19.514  | 124.20 | 312.51  | 69.909  | 172.44 |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00057 | .00053 | -.00241 | .00149  | .00113  | -.00258 | .00098  |
| #2 | .00170  | .00097 | -.00215 | .00451  | -.00156 | -.01887 | .00018  |
| #3 | .00048  | .00160 | -.00311 | -.00022 | -.00092 | -.01532 | -.00015 |

|        |         |         |         |        |        |         |        |
|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00003 | -.00017 | -.00348 | .00189 | .00003 | -.00321 | .00665 |
| Stddev | .00003  | .00002  | .02465  | .00089 | .00022 | .00022  | .00023 |
| %RSD   | 93.076  | 9.5780  | 707.37  | 46.989 | 779.52 | 6.8584  | 3.4619 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.00006 | -.00018 | -.00799 | .00192 | .00002  | -.00298 | .00639 |
| #2 | -.00005 | -.00015 | .02310  | .00277 | .00025  | -.00324 | .00681 |
| #3 | .00000  | -.00017 | -.02556 | .00099 | -.00019 | -.00341 | .00677 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00088 | -.10502 | .00011 | -.00167 | .07650 | .00016 | .00043 |
| Stddev | .00004 | .01242  | .00036 | .00026  | .01591 | .00004 | .00008 |
| %RSD   | 4.2698 | 11.829  | 342.09 | 15.450  | 20.799 | 25.419 | 17.972 |

|    |        |         |         |         |        |        |        |
|----|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00090 | -.11789 | -.00002 | -.00189 | .06042 | .00013 | .00046 |
| #2 | .00084 | -.09311 | -.00018 | -.00175 | .09224 | .00021 | .00049 |
| #3 | .00091 | -.10405 | .00051  | -.00139 | .07683 | .00015 | .00034 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14255 | -.00026 | .01038 | -.00345 | .00260 | .00155 | .00822 |
| Stddev | .03172 | .00032  | .00700 | .00337  | .00028 | .00082 | .00117 |
| %RSD   | 22.254 | 121.62  | 67.472 | 97.570  | 10.842 | 53.223 | 14.211 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .16904 | -.00020 | .01790 | -.00463 | .00278 | .00231 | .00786 |
| #2 | .15122 | .00002  | .00921 | .00035  | .00274 | .00165 | .00727 |
| #3 | .10740 | -.00061 | .00403 | -.00608 | .00228 | .00068 | .00952 |

Sample Name: CCB14      Acquired: 3/29/2019 1:58:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14775      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |          |          |
|-----------|--------|--------|---------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm      | ppm      |
| Avg       | .00324 | .0044  | -.00008 | F<.00000 | F 1.7033 |
| Stddev    | .00099 | .0007  | .00016  | .57872   | .6401    |
| %RSD      | 30.491 | 15.51  | 201.94  | 121.59   | 37.578   |
| #1        | .00278 | .0036  | -.00008 | -.40234  | 1.9044   |
| #2        | .00437 | .0048  | .00008  | .06240   | 2.2186   |
| #3        | .00257 | .0048  | -.00024 | -1.0880  | .98682   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3598.9 | 40634. | 3121.3  | 44.131   | 4082.8   |
| Stddev    | 4.8    | 181.   | 4.8     | 1.154    | 3.9      |
| %RSD      | .13465 | .44587 | .15255  | 2.6159   | .09659   |
| #1        | 3604.4 | 40425. | 3115.8  | 43.683   | 4083.9   |
| #2        | 3595.3 | 40742. | 3123.7  | 45.442   | 4086.1   |
| #3        | 3597.0 | 40736. | 3124.4  | 43.267   | 4078.4   |

Sample Name: K2107-10      Acquired: 3/29/2019 2:02:33      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-5      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00265 | -.00158 | -.00107 | .00632 | -.00166 | .07765 | .05547 | .00009 |
| Stddev | .00089  | .00068  | .00078  | .00268 | .00171  | .00577 | .00091 | .00002 |
| %RSD   | 33.628  | 42.883  | 72.913  | 42.467 | 102.88  | 7.4317 | 1.6432 | 21.494 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00188 | -.00116 | -.00080 | .00325 | -.00359 | .07337 | .05470 | .00007 |
| #2 | -.00363 | -.00236 | -.00195 | .00824 | -.00100 | .08421 | .05524 | .00011 |
| #3 | -.00245 | -.00121 | -.00046 | .00747 | -.00038 | .07536 | .05648 | .00008 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00023 | 4.6620 | .00255 | .00149 | .00082 | .01418 | .05667 | .35387 |
| Stddev | .00007  | .0315  | .00049 | .00014 | .00026 | .00025 | .00017 | .13896 |
| %RSD   | 31.600  | .67590 | 19.296 | 9.1533 | 31.838 | 1.7392 | .30814 | 39.268 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00025 | 4.6256 | .00311 | .00160 | .00052 | .01417 | .05650 | .19626 |
| #2 | -.00030 | 4.6813 | .00223 | .00133 | .00101 | .01443 | .05685 | .40660 |
| #3 | -.00015 | 4.6790 | .00230 | .00153 | .00093 | .01393 | .05667 | .45874 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00056 | -.00281 | 244.19 | .00061 | .01204 | .55208 | -.00018 | .02398 |
| Stddev | .00048 | .00054  | 1.40   | .00054 | .00006 | .04458 | .00034  | .00978 |
| %RSD   | 86.534 | 19.111  | .57149 | 89.708 | .46708 | 8.0753 | 188.29  | 40.807 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00100 | -.00297 | 242.77 | .00037 | .01205 | .51883 | -.00017 | .02927 |
| #2 | .00004 | -.00325 | 245.56 | .00123 | .01209 | .53467 | .00015  | .01269 |
| #3 | .00064 | -.00221 | 244.24 | .00022 | .01198 | .60274 | -.00053 | .02997 |

|        |        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .28434 | .24584 | .00057 | .01019 | .00252 | .0063  | .01466 | <.00000 |
| Stddev | .00600 | .00152 | .00116 | .00251 | .00174 | .0014  | .00018 | .17879  |
| %RSD   | 2.1084 | .61986 | 205.19 | 24.653 | 69.048 | 22.42  | 1.1991 | 44.737  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .28333 | .24714 | .00166  | .00801 | .00051 | .0060 | .01456 | -.20677 |
| #2 | .27891 | .24622 | .00071  | .00962 | .00341 | .0051 | .01457 | -.43231 |
| #3 | .29077 | .24416 | -.00066 | .01293 | .00362 | .0079 | .01487 | -.55983 |

Sample Name: K2107-10      Acquired: 3/29/2019 2:02:33      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-5      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.2849  
 Stddev      .6198  
 %RSD      27.127

#1      1.5759  
 #2      2.5549  
 #3      2.7239

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3587.3 | 41184. | 3293.6 | 46.305 | 3820.9 |
| Stddev    | 3.2    | 108.   | 11.6   | .800   | 20.7   |
| %RSD      | .08856 | .26179 | .35289 | 1.7268 | .54102 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3584.0 | 41254. | 3284.4 | 46.360 | 3799.2 |
| #2 | 3590.4 | 41059. | 3289.7 | 45.479 | 3823.2 |
| #3 | 3587.5 | 41238. | 3306.7 | 47.075 | 3840.3 |

Sample Name: K2107-12      Acquired: 3/29/2019 2:07:02      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-6      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00066 | -.00042 | -.00184 | .00442 | -.00097 | .08660 | .06731 | .00006 |
| Stddev | .00332  | .00103  | .00043  | .00072 | .00100  | .00547 | .00140 | .00004 |
| %RSD   | 506.73  | 246.31  | 23.183  | 16.182 | 102.59  | 6.3141 | 2.0829 | 69.808 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00366 | -.00081 | -.00147 | .00429 | -.00038 | .08057 | .06571 | .00001 |
| #2 | .00291  | -.00118 | -.00231 | .00378 | -.00213 | .09123 | .06833 | .00009 |
| #3 | -.00121 | .00075  | -.00175 | .00519 | -.00041 | .08802 | .06789 | .00007 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00022 | 4.1381 | .00204 | .00080 | -.00248 | .01801 | .03729 | .62497 |
| Stddev | .00005  | .0247  | .00047 | .00017 | .00015  | .00081 | .00037 | .04080 |
| %RSD   | 20.911  | .59655 | 23.293 | 21.727 | 6.0496  | 4.5167 | .98434 | 6.5285 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00018 | 4.1190 | .00225 | .00062 | -.00258 | .01872 | .03763 | .66036 |
| #2 | -.00027 | 4.1660 | .00150 | .00097 | -.00231 | .01820 | .03734 | .58034 |
| #3 | -.00021 | 4.1293 | .00238 | .00080 | -.00256 | .01712 | .03690 | .63419 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00048 | -.00237 | 190.35 | .00053 | .00680 | .78570 | -.00044 | .00886 |
| Stddev | .00020 | .00062  | .77    | .00034 | .00009 | .04979 | .00014  | .02161 |
| %RSD   | 40.579 | 26.246  | .40237 | 64.657 | 1.2749 | 6.3374 | 32.072  | 243.79 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00027 | -.00292 | 189.83 | .00013 | .00689 | .78352 | -.00050 | .00608  |
| #2 | .00051 | -.00248 | 189.99 | .00073 | .00672 | .73703 | -.00054 | -.01122 |
| #3 | .00066 | -.00170 | 191.23 | .00073 | .00679 | .83654 | -.00028 | .03173  |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .71123 | .20153 | -.00125 | .01259 | .00179 | .0041  | .01556 | <.00000 |
| Stddev | .00451 | .00358 | .00030  | .00091 | .00070 | .0009  | .00008 | 1.1000  |
| %RSD   | .63423 | 1.7763 | 24.360  | 7.2202 | 38.965 | 21.61  | .48589 | 423.99  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .70602 | .20530 | -.00090 | .01219 | .00253 | .0039 | .01552 | -1.4579 |
| #2 | .71368 | .20109 | -.00136 | .01195 | .00170 | .0034 | .01565 | -.02436 |
| #3 | .71398 | .19818 | -.00148 | .01363 | .00114 | .0051 | .01551 | .70401  |

Sample Name: K2107-12      Acquired: 3/29/2019 2:07:02      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-6      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.7761  
 Stddev      1.0972  
 %RSD      39.523

#1      2.2915  
 #2      2.0046  
 #3      4.0321

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3615.8 | 41291. | 3261.3 | 45.598 | 3898.2 |
| Stddev    | 4.4    | 60.    | 15.4   | .828   | 13.6   |
| %RSD      | .12162 | .14644 | .47086 | 1.8158 | .34880 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3620.3 | 41350. | 3248.2 | 44.849 | 3896.5 |
| #2 | 3615.6 | 41294. | 3278.2 | 46.487 | 3885.6 |
| #3 | 3611.5 | 41229. | 3257.5 | 45.458 | 3912.6 |

Sample Name: K2107-14      Acquired: 3/29/2019 2:11:32      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-7      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00095 | -.00172 | -.00031 | .00258 | -.00213 | .14282 | .07498 | .00004 |
| Stddev | .00092  | .00103  | .00054  | .00429 | .00116  | .01352 | .00120 | .00002 |
| %RSD   | 97.024  | 60.036  | 171.96  | 165.94 | 54.534  | 9.4675 | 1.5962 | 57.541 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00064 | -.00109 | .00029  | .00649  | -.00289 | .13274 | .07361 | .00004 |
| #2 | -.00022 | -.00291 | -.00073 | -.00200 | -.00271 | .13754 | .07551 | .00005 |
| #3 | -.00199 | -.00116 | -.00050 | .00326  | -.00079 | .15819 | .07582 | .00001 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00021 | 2.7461 | .00268 | .00111 | -.00116 | .04756 | .02947 | .49884 |
| Stddev | .00003  | .0052  | .00046 | .00014 | .00013  | .00045 | .00032 | .03760 |
| %RSD   | 14.616  | .18967 | 17.280 | 12.691 | 10.764  | .94264 | 1.0963 | 7.5373 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00018 | 2.7441 | .00269 | .00112 | -.00129 | .04764 | .02914 | .46554 |
| #2 | -.00023 | 2.7422 | .00221 | .00096 | -.00104 | .04708 | .02949 | .53961 |
| #3 | -.00023 | 2.7520 | .00314 | .00124 | -.00116 | .04797 | .02979 | .49137 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00091 | -.00254 | 217.63 | .00059 | .01705 | .50318 | -.00048 | .00263 |
| Stddev | .00075 | .00036  | .86    | .00052 | .00015 | .00594 | .00037  | .00670 |
| %RSD   | 82.361 | 14.150  | .39684 | 89.028 | .90408 | 1.1809 | 76.909  | 254.34 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00137 | -.00252 | 216.77 | .00054 | .01698 | .49655 | -.00088 | .00778  |
| #2 | .00005 | -.00291 | 217.63 | .00009 | .01722 | .50498 | -.00016 | -.00494 |
| #3 | .00130 | -.00219 | 218.50 | .00114 | .01694 | .50802 | -.00040 | .00506  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74368 | .28650 | -.00206 | .01237 | .00299 | .0068  | .01178 | .08931 |
| Stddev | .00799 | .00147 | .00037  | .00285 | .00258 | .0012  | .00009 | .29317 |
| %RSD   | 1.0742 | .51331 | 18.110  | 23.060 | 86.098 | 18.26  | .75450 | 328.26 |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .74130 | .28689 | -.00166 | .01009 | .00003 | .0082 | .01170 | .21289  |
| #2 | .75259 | .28488 | -.00213 | .01556 | .00473 | .0065 | .01177 | .30046  |
| #3 | .73715 | .28774 | -.00240 | .01144 | .00422 | .0058 | .01188 | -.24542 |



Sample Name: K2107-14      Acquired: 3/29/2019 2:11:32      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-7      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.0877  
 Stddev      1.1803  
 %RSD      56.533

#1      1.1645  
 #2      1.6811  
 #3      3.4176

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3605.7 | 41138. | 3274.1 | 46.724 | 3858.9 |
| Stddev    | 1.3    | 48.    | 4.6    | 1.284  | 15.6   |
| %RSD      | .03528 | .11597 | .13958 | 2.7475 | .40515 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3604.6 | 41130. | 3269.0 | 47.580 | 3876.8 |
| #2 | 3605.3 | 41095. | 3275.4 | 47.344 | 3848.1 |
| #3 | 3607.1 | 41190. | 3277.8 | 45.248 | 3851.8 |

Sample Name: K2107-16      Acquired: 3/29/2019 2:16:02      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-8      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |        |         |        |        |        |
|--------|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00146 | -.00262 | -.00162 | .00242 | -.00006 | .24038 | .04456 | .00002 |
| Stddev | .00065 | .00078  | .00086  | .00049 | .00088  | .00946 | .00023 | .00008 |
| %RSD   | 44.762 | 29.686  | 52.790  | 20.332 | 1535.5  | 3.9334 | .51695 | 464.00 |

|    |        |         |         |        |         |        |        |         |
|----|--------|---------|---------|--------|---------|--------|--------|---------|
| #1 | .00164 | -.00349 | -.00150 | .00282 | .00082  | .23239 | .04439 | -.00002 |
| #2 | .00199 | -.00201 | -.00254 | .00256 | -.00005 | .23793 | .04483 | -.00004 |
| #3 | .00073 | -.00235 | -.00084 | .00187 | -.00094 | .25082 | .04447 | .00011  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00016 | 2.0915 | .00325 | .00025 | -.00086 | .15158 | .00609 | .45646 |
| Stddev | .00004  | .0337  | .00045 | .00033 | .00004  | .00185 | .00006 | .08502 |
| %RSD   | 26.053  | 1.6117 | 13.897 | 132.80 | 4.7668  | 1.2207 | .96659 | 18.627 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00014 | 2.0590 | .00375 | .00052  | -.00091 | .15022 | .00606 | .53363 |
| #2 | -.00013 | 2.0892 | .00288 | .00034  | -.00085 | .15083 | .00616 | .36532 |
| #3 | -.00021 | 2.1263 | .00310 | -.00012 | -.00083 | .15368 | .00605 | .47045 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00166 | -.00223 | 346.27 | .00078 | .01260 | .46879 | -.00041 | .00553 |
| Stddev | .00060 | .00117  | 3.52   | .00016 | .00002 | .02925 | .00025  | .01296 |
| %RSD   | 36.115 | 52.356  | 1.0179 | 20.514 | .19821 | 6.2402 | 60.009  | 234.28 |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .00211 | -.00093 | 347.99 | .00093 | .01258 | .48584 | -.00063 | .01744  |
| #2 | .00098 | -.00318 | 342.21 | .00061 | .01263 | .48553 | -.00045 | -.00827 |
| #3 | .00189 | -.00260 | 348.59 | .00081 | .01260 | .43502 | -.00015 | .00742  |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .27884 | .33183 | -.00154 | .01491 | .00307 | .0069  | .01148 | <.00000 |
| Stddev | .00531 | .00184 | .00082  | .00271 | .00087 | .0023  | .00011 | .51238  |
| %RSD   | 1.9040 | .55435 | 52.998  | 18.193 | 28.455 | 33.42  | .92528 | 142.58  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .27428 | .33013 | -.00077 | .01286 | .00250 | .0085 | .01144 | .08600  |
| #2 | .28467 | .33378 | -.00147 | .01798 | .00263 | .0043 | .01140 | -.24475 |
| #3 | .27758 | .33158 | -.00240 | .01388 | .00407 | .0079 | .01160 | -.91934 |

Sample Name: K2107-16      Acquired: 3/29/2019 2:16:02      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-8      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.3559  
 Stddev      1.0561  
 %RSD      31.470

#1      2.3696  
 #2      3.2280  
 #3      4.4702

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3603.6 | 41263. | 3314.5 | 47.136 | 3777.5 |
| Stddev    | 9.4    | 80.    | 14.5   | 1.683  | 12.3   |
| %RSD      | .26104 | .19301 | .43709 | 3.5712 | .32599 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3611.9 | 41253. | 3328.5 | 45.975 | 3782.1 |
| #2 | 3605.5 | 41189. | 3299.5 | 49.067 | 3786.9 |
| #3 | 3593.4 | 41347. | 3315.6 | 46.367 | 3763.6 |

Sample Name: K2107-18      Acquired: 3/29/2019 2:20:41      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-9      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00164 | -.00169 | -.00029 | -.00137 | -.00027 | .20607 | .10124 | .00003 |
| Stddev | .00105 | .00096  | .00077  | .00143  | .00201  | .00575 | .00104 | .00006 |
| %RSD   | 63.811 | 56.850  | 262.70  | 104.36  | 754.42  | 2.7879 | 1.0250 | 177.45 |

|    |        |         |         |         |         |        |        |         |
|----|--------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00284 | -.00226 | .00055  | -.00287 | -.00155 | .19944 | .10131 | .00010  |
| #2 | .00109 | -.00224 | -.00048 | -.00003 | .00205  | .20949 | .10017 | -.00001 |
| #3 | .00098 | -.00058 | -.00096 | -.00121 | -.00130 | .20929 | .10225 | .00001  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00029 | 2.5356 | .00237 | .00091 | -.00137 | .01428 | .01784 | .56600 |
| Stddev | .00004  | .0085  | .00005 | .00022 | .00045  | .00159 | .00016 | .07472 |
| %RSD   | 15.108  | .33615 | 2.0623 | 23.742 | 32.710  | 11.118 | .91580 | 13.201 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00024 | 2.5329 | .00243 | .00116 | -.00095 | .01254 | .01765 | .57396 |
| #2 | -.00030 | 2.5287 | .00235 | .00081 | -.00184 | .01565 | .01794 | .63642 |
| #3 | -.00033 | 2.5451 | .00233 | .00076 | -.00132 | .01467 | .01794 | .48763 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00101 | -.00239 | 308.86 | .00055 | .01051 | .45869 | -.00037 | .02130 |
| Stddev | .00033 | .00010  | .83    | .00054 | .00015 | .01461 | .00024  | .01063 |
| %RSD   | 32.697 | 4.2102  | .26983 | 98.422 | 1.4568 | 3.1858 | 66.049  | 49.919 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00135 | -.00229 | 308.38 | .00056 | .01063 | .44182 | -.00045 | .01013 |
| #2 | .00101 | -.00238 | 308.38 | .00108 | .01034 | .46699 | -.00009 | .03131 |
| #3 | .00069 | -.00249 | 309.82 | .00000 | .01057 | .46726 | -.00056 | .02247 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76127 | .18513 | -.00148 | .00982 | .00405 | .0044  | .00953 | .10023 |
| Stddev | .00382 | .00212 | .00045  | .00447 | .00095 | .0008  | .00019 | .19848 |
| %RSD   | .50127 | 1.1474 | 30.152  | 45.543 | 23.365 | 19.08  | 2.0157 | 198.03 |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .76568 | .18447 | -.00097 | .01013 | .00328 | .0048 | .00934 | -.05141 |
| #2 | .75906 | .18750 | -.00174 | .01413 | .00376 | .0049 | .00972 | .32487  |
| #3 | .75907 | .18340 | -.00174 | .00520 | .00511 | .0034 | .00955 | .02722  |

Sample Name: K2107-18      Acquired: 3/29/2019 2:20:41      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-9      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.5903 |
| Stddev | .8268  |
| %RSD   | 23.028 |

|    |        |
|----|--------|
| #1 | 4.2186 |
| #2 | 2.6537 |
| #3 | 3.8987 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3622.6 | 41242. | 3327.0 | 44.919 | 3804.0 |
| Stddev    | 14.1   | 41.    | 11.9   | 2.372  | 19.5   |
| %RSD      | .38978 | .09944 | .35878 | 5.2797 | .51133 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3614.4 | 41197. | 3322.3 | 43.933 | 3796.2 |
| #2 | 3638.9 | 41277. | 3318.1 | 43.200 | 3826.1 |
| #3 | 3614.6 | 41252. | 3340.6 | 47.625 | 3789.6 |

Sample Name: K2110-01      Acquired: 3/29/2019 2:25:21      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30036      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00120 | -.00174 | .00042 | .00399 | -.00135 | .02512 | .20090 | .00068 |
| Stddev | .00310  | .00200  | .00036 | .00322 | .00142  | .01444 | .00124 | .00006 |
| %RSD   | 258.11  | 115.35  | 84.753 | 80.763 | 105.69  | 57.467 | .61692 | 9.0624 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00458 | -.00184 | .00005 | .00027 | -.00106 | .02270 | .19947 | .00062 |
| #2 | .00150  | .00031  | .00076 | .00584 | -.00290 | .04062 | .20173 | .00068 |
| #3 | -.00052 | -.00369 | .00046 | .00586 | -.00009 | .01205 | .20149 | .00075 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00011 | 15.593 | .00240 | .00231 | -.00292 | .01834 | .11265 | 7.9141 |
| Stddev | .00011 | .108   | .00061 | .00006 | .00063  | .00065 | .00161 | .0898  |
| %RSD   | 95.961 | .69082 | 25.547 | 2.7668 | 21.569  | 3.5587 | 1.4309 | 1.1344 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00001 | 15.474 | .00205 | .00224 | -.00326 | .01759 | .11081 | 7.8181 |
| #2 | .00013  | 15.685 | .00311 | .00233 | -.00219 | .01877 | .11382 | 7.9282 |
| #3 | .00020  | 15.620 | .00205 | .00237 | -.00330 | .01866 | .11332 | 7.9960 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00632 | -.00188 | 212.67 | .00153 | .24971 | 6.3720 | -.00029 | .13867 |
| Stddev | .00025 | .00031  | 1.33   | .00021 | .00197 | .0726  | .00010  | .00775 |
| %RSD   | 3.9144 | 16.730  | .62520 | 13.933 | .78759 | 1.1387 | 32.886  | 5.5916 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00653 | -.00199 | 211.14 | .00142 | .24814 | 6.3110 | -.00039 | .13089 |
| #2 | .00639 | -.00153 | 213.34 | .00178 | .24907 | 6.3527 | -.00020 | .13874 |
| #3 | .00605 | -.00212 | 213.53 | .00139 | .25191 | 6.4522 | -.00029 | .14639 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.9200 | 6.3714 | -.00279 | .00657 | .01980 | .0558  | .13052 | <.00000 |
| Stddev | .0305  | .0127  | .00084  | .00348 | .00176 | .0014  | .00078 | .32486  |
| %RSD   | 1.0447 | .19976 | 30.271  | 52.959 | 8.9038 | 2.542  | .59441 | 315.24  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 2.8860 | 6.3572 | -.00253 | .00519 | .01905 | .0562 | .12968 | .26769  |
| #2 | 2.9290 | 6.3751 | -.00211 | .00399 | .02181 | .0543 | .13065 | -.23897 |
| #3 | 2.9450 | 6.3818 | -.00373 | .01052 | .01853 | .0570 | .13122 | -.33788 |

Sample Name: K2110-01      Acquired: 3/29/2019 2:25:21      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30036      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      1.9990  
 Stddev      1.0633  
 %RSD      53.194

#1      2.3884  
 #2      .79581  
 #3      2.8126

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3553.5 | 41050. | 3272.4 | 45.756 | 3844.7 |
| Stddev    | 8.3    | 98.    | 8.5    | .472   | 25.7   |
| %RSD      | .23278 | .23880 | .25986 | 1.0321 | .66877 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3563.0 | 41158. | 3266.7 | 46.055 | 3867.2 |
| #2 | 3550.1 | 40967. | 3268.4 | 45.212 | 3850.2 |
| #3 | 3547.5 | 41025. | 3282.2 | 46.001 | 3816.6 |

Sample Name: K2111-02      Acquired: 3/29/2019 2:29:46      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5(5-15)COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |        |        |        |
|--------|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00036 | -.00184 | -.00073 | .00438 | -.00072 | .21317 | .09246 | .00009 |
| Stddev | .00170 | .00148  | .00129  | .00123 | .00174  | .00332 | .00078 | .00005 |
| %RSD   | 466.60 | 80.559  | 177.54  | 28.070 | 241.83  | 1.5553 | .84126 | 55.144 |

|    |         |         |         |        |         |        |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|--------|
| #1 | .00158  | -.00059 | -.00007 | .00464 | .00127  | .21606 | .09302 | .00003 |
| #2 | -.00158 | -.00145 | .00010  | .00545 | -.00192 | .21391 | .09278 | .00012 |
| #3 | .00110  | -.00347 | -.00221 | .00304 | -.00150 | .20955 | .09157 | .00013 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00007 | 6.6770 | .00410 | .00159 | .00546 | .18471 | .32294 | .76607 |
| Stddev | .00001  | .0243  | .00028 | .00008 | .00053 | .00039 | .00121 | .03353 |
| %RSD   | 15.349  | .36410 | 6.9147 | 5.1916 | 9.7385 | .21057 | .37608 | 4.3768 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00006 | 6.6491 | .00386 | .00168 | .00516 | .18489 | .32214 | .80372 |
| #2 | -.00007 | 6.6940 | .00402 | .00156 | .00515 | .18498 | .32234 | .75509 |
| #3 | -.00008 | 6.6878 | .00441 | .00153 | .00608 | .18426 | .32434 | .73941 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00538 | -.00224 | 301.64 | -.00033 | .03619 | 1.1649 | -.00034 | .00490 |
| Stddev | .00059 | .00052  | .51    | .00082  | .00012 | .0206  | .00008  | .01984 |
| %RSD   | 10.921 | 23.420  | .16836 | 244.83  | .33947 | 1.7654 | 22.710  | 404.71 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00510 | -.00163 | 301.40 | -.00121 | .03606 | 1.1453 | -.00026 | .02622  |
| #2 | .00605 | -.00254 | 301.30 | -.00020 | .03631 | 1.1863 | -.00035 | -.01304 |
| #3 | .00499 | -.00254 | 302.23 | .00041  | .03619 | 1.1631 | -.00042 | .00153  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09645 | .74358 | -.00107 | .01353 | .00351 | .0099  | .02910 | .95077 |
| Stddev | .00392 | .01034 | .00045  | .00105 | .00263 | .0001  | .00015 | .28158 |
| %RSD   | 4.0621 | 1.3907 | 41.799  | 7.7879 | 75.049 | .9282  | .51149 | 29.616 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .09412 | .73311 | -.00129 | .01244 | .00052 | .0099 | .02907 | 1.2542 |
| #2 | .10098 | .74386 | -.00055 | .01455 | .00550 | .0100 | .02926 | .69784 |
| #3 | .09426 | .75378 | -.00136 | .01361 | .00450 | .0098 | .02897 | .90031 |



Sample Name: K2111-02      Acquired: 3/29/2019 2:29:46      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S5(5-15)COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.0983 |
| Stddev | .9077  |
| %RSD   | 29.297 |

|    |        |
|----|--------|
| #1 | 4.0887 |
| #2 | 2.9003 |
| #3 | 2.3060 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3495.0 | 40187. | 3222.5 | 45.128 | 3726.4 |
| Stddev    | 4.3    | 188.   | 30.3   | .713   | 7.7    |
| %RSD      | .12246 | .46737 | .94079 | 1.5789 | .20618 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3490.1 | 39974. | 3246.8 | 44.617 | 3722.4 |
| #2 | 3497.4 | 40326. | 3188.5 | 45.942 | 3721.6 |
| #3 | 3497.6 | 40262. | 3232.2 | 44.825 | 3735.3 |

Sample Name: K2111-04      Acquired: 3/29/2019 2:34:23      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S5(17-25)COM      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |        |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00234 | -.00124 | -.00241 | .00294 | -.00065 | .14167 | .08337 | .00007 |
| Stddev | .00100  | .00062  | .00094  | .00176 | .00067  | .00901 | .00144 | .00007 |
| %RSD   | 42.608  | 49.808  | 39.189  | 59.927 | 102.00  | 6.3601 | 1.7301 | 105.16 |

|    |         |         |         |        |         |        |        |         |
|----|---------|---------|---------|--------|---------|--------|--------|---------|
| #1 | -.00336 | -.00195 | -.00146 | .00104 | -.00001 | .14621 | .08341 | -.00001 |
| #2 | -.00137 | -.00092 | -.00335 | .00452 | -.00060 | .13130 | .08190 | .00008  |
| #3 | -.00229 | -.00084 | -.00241 | .00325 | -.00134 | .14751 | .08479 | .00013  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 2.1623 | .00324 | .00181 | -.00061 | .03544 | .17256 | .41974 |
| Stddev | .00002  | .0157  | .00044 | .00023 | .00030  | .00118 | .00050 | .03090 |
| %RSD   | 41.424  | .72760 | 13.620 | 12.438 | 49.727  | 3.3326 | .28879 | 7.3609 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00006 | 2.1444 | .00280 | .00171 | -.00027 | .03411 | .17267 | .40286 |
| #2 | -.00003 | 2.1740 | .00324 | .00165 | -.00071 | .03634 | .17300 | .40096 |
| #3 | -.00005 | 2.1685 | .00368 | .00207 | -.00085 | .03589 | .17202 | .45540 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00275 | -.00300 | 249.59 | -.00021 | .02891 | .90543 | -.00013 | .00251 |
| Stddev | .00050 | .00023  | .60    | .00040  | .00019 | .01380 | .00030  | .01227 |
| %RSD   | 18.014 | 7.7598  | .23889 | 193.34  | .65751 | 1.5240 | 228.69  | 488.34 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00310 | -.00312 | 249.94 | -.00044 | .02903 | .91927 | -.00040 | .01528  |
| #2 | .00296 | -.00315 | 248.90 | -.00044 | .02869 | .90535 | .00019  | -.00920 |
| #3 | .00218 | -.00273 | 249.93 | .00026  | .02900 | .89168 | -.00019 | .00146  |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .10474 | .34726 | -.00185 | .00839 | .00394 | .0098  | .02544 | <.00000 |
| Stddev | .00294 | .00508 | .00091  | .00424 | .00037 | .0025  | .00023 | .10814  |
| %RSD   | 2.8088 | 1.4621 | 49.148  | 50.573 | 9.3761 | 25.28  | .92290 | 59.099  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .10193 | .34302 | -.00150 | .00489 | .00384 | .0087 | .02522 | -.18061 |
| #2 | .10780 | .34588 | -.00288 | .01311 | .00364 | .0081 | .02569 | -.29230 |
| #3 | .10448 | .35289 | -.00116 | .00717 | .00436 | .0127 | .02541 | -.07605 |

Sample Name: K2111-04      Acquired: 3/29/2019 2:34:23      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S5(17-25)COM      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.6553 |
| Stddev | 1.8373 |
| %RSD   | 69.195 |

|    |        |
|----|--------|
| #1 | .72032 |
| #2 | 2.8694 |
| #3 | 4.3763 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3576.7 | 40981. | 3259.5 | 46.484 | 3812.7 |
| Stddev    | 7.3    | 164.   | 18.5   | .799   | 14.8   |
| %RSD      | .20452 | .40139 | .56843 | 1.7188 | .38933 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3570.3 | 40795. | 3273.8 | 47.149 | 3799.8 |
| #2 | 3584.7 | 41107. | 3266.2 | 46.705 | 3828.9 |
| #3 | 3575.1 | 41040. | 3238.6 | 45.598 | 3809.3 |

Sample Name: K2111-06      Acquired: 3/29/2019 2:38:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: S7A(4-20)COM      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00116 | -.00338 | -.00137 | .00202 | .00055 | .07704 | .11340 | .00012 |
| Stddev | .00398 | .00068  | .00050  | .00189 | .00100 | .00669 | .00055 | .00005 |
| %RSD   | 341.96 | 20.048  | 36.079  | 93.338 | 180.10 | 8.6804 | .48528 | 37.471 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00157  | -.00412 | -.00194 | .00300  | .00170  | .07820 | .11280 | .00007 |
| #2 | .00492  | -.00323 | -.00111 | .00322  | -.00016 | .08307 | .11351 | .00014 |
| #3 | -.00300 | -.00279 | -.00107 | -.00015 | .00012  | .06984 | .11388 | .00016 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00005 | 2.7649 | .00961 | .00496 | .00569 | .10089 | .76565 | .58207 |
| Stddev | .00004  | .0121  | .00022 | .00010 | .00033 | .00075 | .00179 | .02241 |
| %RSD   | 69.868  | .43930 | 2.3210 | 2.0709 | 5.7743 | .74449 | .23342 | 3.8505 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00009 | 2.7683 | .00938 | .00491 | .00579 | .10019 | .76396 | .56519 |
| #2 | -.00005 | 2.7750 | .00983 | .00490 | .00596 | .10168 | .76548 | .60750 |
| #3 | -.00002 | 2.7514 | .00962 | .00508 | .00533 | .10079 | .76752 | .57352 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00897 | -.00268 | 349.36 | -.00222 | .01864 | 1.3893 | -.00033 | .00852 |
| Stddev | .00039 | .00030  | 2.23   | .00007  | .00012 | .0280  | .00015  | .01114 |
| %RSD   | 4.3962 | 11.145  | .63817 | 3.2690  | .62463 | 2.0186 | 45.845  | 130.76 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00855 | -.00302 | 348.32 | -.00214 | .01852 | 1.4033 | -.00017 | .00455  |
| #2 | .00934 | -.00248 | 351.92 | -.00224 | .01863 | 1.4076 | -.00047 | -.00009 |
| #3 | .00901 | -.00254 | 347.83 | -.00229 | .01876 | 1.3570 | -.00036 | .02110  |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .05589 | .39725 | -.00015 | .00889 | .00582 | .0077  | .01652 | <.00000 |
| Stddev | .00262 | .00193 | .00008  | .00208 | .00111 | .0010  | .00030 | .45318  |
| %RSD   | 4.6932 | .48696 | 51.835  | 23.388 | 19.077 | 13.21  | 1.8373 | 1202.5  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | .05753 | .39941 | -.00021 | .00843 | .00697 | .0086 | .01647 | -.14263 |
| #2 | .05728 | .39667 | -.00006 | .01115 | .00475 | .0066 | .01624 | -.42919 |
| #3 | .05287 | .39568 | -.00018 | .00707 | .00574 | .0081 | .01684 | .45876  |

Sample Name: K2111-06      Acquired: 3/29/2019 2:38:53      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: S7A(4-20)COM      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 2.6823 |
| Stddev | .4315  |
| %RSD   | 16.085 |

|    |        |
|----|--------|
| #1 | 2.1842 |
| #2 | 2.9275 |
| #3 | 2.9353 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3510.5 | 40646. | 3267.6 | 45.536 | 3715.3 |
| Stddev    | 5.4    | 83.    | 19.9   | 1.804  | 6.7    |
| %RSD      | .15512 | .20495 | .60820 | 3.9609 | .18068 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3516.8 | 40742. | 3270.2 | 43.500 | 3719.5 |
| #2 | 3507.4 | 40609. | 3286.0 | 46.933 | 3707.6 |
| #3 | 3507.3 | 40588. | 3246.5 | 46.175 | 3718.9 |

Sample Name: K2112-01      Acquired: 3/29/2019 2:43:32      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |         |        |        |         |
|--------|--------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .01654 | -.00134 | 7.8070  | .00632  | .00030  | 1.6185 | .12524 | .00040  |
| Stddev | .00061 | .00056  | .0198   | .00200  | .00119  | .0186  | .00029 | .00009  |
| %RSD   | 3.7043 | 41.608  | .25378  | 31.627  | 401.76  | 1.1502 | .22931 | 21.312  |
| #1     | .01585 | -.00090 | 7.8076  | .00731  | -.00107 | 1.6067 | .12492 | .00037  |
| #2     | .01699 | -.00116 | 7.8264  | .00402  | .00107  | 1.6090 | .12549 | .00033  |
| #3     | .01680 | -.00197 | 7.7868  | .00764  | .00089  | 1.6400 | .12530 | .00050  |
| Elem   | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00855 | 12.483  | .00808  | .02775  | .03471  | .20978 | .30906 | .59445  |
| Stddev | .00005 | .067    | .00028  | .00031  | .00062  | .00300 | .00061 | .05925  |
| %RSD   | .59553 | .53776  | 3.4107  | 1.1131  | 1.7812  | 1.4282 | .19674 | 9.9664  |
| #1     | .00854 | 12.423  | .00797  | .02810  | .03539  | .20827 | .30846 | .63979  |
| #2     | .00861 | 12.471  | .00840  | .02762  | .03456  | .20784 | .30904 | .52741  |
| #3     | .00851 | 12.555  | .00788  | .02753  | .03419  | .21323 | .30967 | .61614  |
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .06917 | -.00225 | 245.46  | -.00053 | .86567  | .95245 | .00098 | -.00087 |
| Stddev | .00059 | .00052  | .47     | .00051  | .00245  | .04004 | .00030 | .00914  |
| %RSD   | .85792 | 23.225  | .19300  | 97.153  | .28310  | 4.2042 | 30.282 | 1050.5  |
| #1     | .06984 | -.00237 | 245.37  | -.00095 | .86622  | .91029 | .00116 | .00964  |
| #2     | .06873 | -.00270 | 245.03  | .00004  | .86780  | .98997 | .00113 | -.00695 |
| #3     | .06892 | -.00167 | 245.97  | -.00067 | .86299  | .95708 | .00064 | -.00531 |
| Elem   | S_1820 | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .41131 | 1.0056  | -.00139 | .01175  | .00935  | .0218  | .09623 | .60775  |
| Stddev | .00550 | .0193   | .00111  | .00180  | .00169  | .0016  | .00088 | .46730  |
| %RSD   | 1.3379 | 1.9149  | 79.961  | 15.300  | 18.128  | 7.320  | .91498 | 76.890  |
| #1     | .40959 | .98610  | -.00053 | .01349  | .00742  | .0236  | .09522 | .49573  |
| #2     | .41747 | 1.0059  | -.00264 | .01186  | .01060  | .0205  | .09679 | 1.1209  |
| #3     | .40687 | 1.0246  | -.00100 | .00990  | .01003  | .0213  | .09669 | .20664  |

Sample Name: K2112-01      Acquired: 3/29/2019 2:43:32      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      3.2561  
Stddev      .7251  
%RSD      22.269

#1      2.9257  
#2      2.7551  
#3      4.0876

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3573.2 | 40684. | 3251.4 | 48.365 | 3816.5 |
| Stddev    | 12.5   | 32.    | 29.4   | 1.048  | 13.3   |
| %RSD      | .35064 | .07804 | .90270 | 2.1668 | .34953 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3560.3 | 40674. | 3276.7 | 47.900 | 3812.6 |
| #2 | 3574.0 | 40659. | 3219.2 | 49.565 | 3805.5 |
| #3 | 3585.3 | 40720. | 3258.2 | 47.630 | 3831.3 |

Sample Name: CCV15      Acquired: 3/29/2019 2:47:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8161 | 4.9745 | 4.6553 | 5.0267 | 4.8320 | 9.3223 | 9.3504 | .24575   |
| Stddev | .0102  | .0051  | .0034  | .0062  | .0064  | .0354  | .0414  | .00052   |
| %RSD   | .21138 | .10255 | .07406 | .12233 | .13297 | .37948 | .44243 | .21020   |
| #1     | 4.8051 | 4.9726 | 4.6524 | 5.0223 | 4.8263 | 9.2976 | 9.3124 | .24516   |
| #2     | 4.8252 | 4.9707 | 4.6544 | 5.0241 | 4.8307 | 9.3065 | 9.3945 | .24597   |
| #3     | 4.8180 | 4.9803 | 4.6591 | 5.0337 | 4.8390 | 9.3629 | 9.3442 | .24612   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4244 | 25.516 | 1.0347 | 2.4292 | 1.1882 | 5.1859 | 2.4566 | 24.012   |
| Stddev | .0008  | .099   | .0035  | .0011  | .0032  | .0132  | .0052  | .134     |
| %RSD   | .03515 | .38619 | .33423 | .04495 | .27208 | .25511 | .21117 | .55676   |
| #1     | 2.4244 | 25.423 | 1.0316 | 2.4302 | 1.1846 | 5.1857 | 2.4534 | 23.863   |
| #2     | 2.4252 | 25.506 | 1.0384 | 2.4294 | 1.1909 | 5.1992 | 2.4625 | 24.121   |
| #3     | 2.4235 | 25.619 | 1.0340 | 2.4280 | 1.1890 | 5.1727 | 2.4537 | 24.051   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4372 | 1.2322 | 24.021 | 2.4692 | 2.4008 | 23.630 | 4.8272 | 4.8880   |
| Stddev | .0055  | .0022  | .173   | .0045  | .0023  | .227   | .0114  | .0321    |
| %RSD   | .22349 | .17669 | .72072 | .18250 | .09676 | .95943 | .23580 | .65752   |
| #1     | 2.4315 | 1.2297 | 23.828 | 2.4640 | 2.4010 | 23.518 | 4.8163 | 4.8511   |
| #2     | 2.4423 | 1.2337 | 24.163 | 2.4718 | 2.4029 | 23.891 | 4.8263 | 4.9030   |
| #3     | 2.4376 | 1.2331 | 24.072 | 2.4718 | 2.3983 | 23.481 | 4.8390 | 4.9100   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7423 | 5.1317 | 4.8757 | 5.0863 | 4.9219 | 4.955  | 4.9169 | F 2.1180 |
| Stddev | .0124  | .0256  | .0068  | .0184  | .0199  | .024   | .0242  | .2882    |
| %RSD   | .26211 | .49870 | .13887 | .36133 | .40493 | .4750  | .49146 | 13.606   |
| #1     | 4.7320 | 5.1565 | 4.8701 | 5.0864 | 4.9290 | 4.929  | 4.9231 | 2.2169   |
| #2     | 4.7388 | 5.1331 | 4.8737 | 5.0679 | 4.9373 | 4.961  | 4.9373 | 2.3437   |
| #3     | 4.7561 | 5.1054 | 4.8832 | 5.1047 | 4.8994 | 4.975  | 4.8902 | 1.7933   |



Sample Name: CCV15      Acquired: 3/29/2019 2:47:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PBW      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0396  
Stddev      .5425  
%RSD      26.599

#1      2.6252  
#2      1.5540  
#3      1.9397

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3483.7 | 39750. | 3107.1 | 43.009 | 3673.2 |
| Stddev    | 5.2    | 180.   | 24.1   | .815   | 9.8    |
| %RSD      | .14797 | .45283 | .77681 | 1.8959 | .26784 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3477.8 | 39696. | 3085.5 | 42.482 | 3662.5 |
| #2 | 3486.1 | 39603. | 3102.5 | 42.598 | 3675.3 |
| #3 | 3487.2 | 39951. | 3133.2 | 43.949 | 3681.8 |

Sample Name: CCB15      Acquired: 3/29/2019 2:51:53      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |           |        |         |         |         |
|--------|---------|--------|-----------|--------|---------|---------|---------|
| Elem   | As1890  | Tl1908 | Pb2203    | Se1960 | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm     | ppm    | ppm       | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00692 | .00069 | F -.01310 | .00056 | -.00122 | -.06852 | -.01235 |
| Stddev | .00057  | .00009 | .00021    | .00044 | .00067  | .00205  | .00031  |
| %RSD   | 8.2643  | 13.330 | 1.6296    | 78.480 | 54.629  | 2.9931  | 2.5306  |

|    |         |        |         |        |         |         |         |
|----|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00756 | .00079 | -.01309 | .00095 | -.00100 | -.06620 | -.01237 |
| #2 | -.00648 | .00067 | -.01332 | .00066 | -.00069 | -.06925 | -.01202 |
| #3 | -.00670 | .00061 | -.01289 | .00008 | -.00197 | -.07010 | -.01265 |

|        |        |         |         |          |         |           |         |
|--------|--------|---------|---------|----------|---------|-----------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247    | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm      | ppm     | ppm       | ppm     |
| Avg    | .00009 | -.00062 | -.03747 | F .00281 | -.00017 | F -.01524 | -.01960 |
| Stddev | .00002 | .00002  | .00967  | .00020   | .00008  | .00002    | .00025  |
| %RSD   | 25.044 | 3.7698  | 25.812  | 7.2902   | 49.105  | .14095    | 1.2723  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00007 | -.00059 | -.04050 | .00292 | -.00026 | -.01526 | -.01931 |
| #2 | .00011 | -.00064 | -.04526 | .00257 | -.00011 | -.01521 | -.01972 |
| #3 | .00009 | -.00063 | -.02665 | .00294 | -.00013 | -.01524 | -.01977 |

|        |         |         |        |         |         |        |         |
|--------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00117 | -.13453 | .00964 | -.00316 | -.18319 | .00027 | -.00056 |
| Stddev | .00001  | .01725  | .00002 | .00015  | .00104  | .00006 | .00002  |
| %RSD   | .80447  | 12.825  | .22640 | 4.6816  | .56659  | 21.491 | 3.1905  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00116 | -.15239 | .00961 | -.00307 | -.18273 | .00031 | -.00058 |
| #2 | -.00118 | -.11795 | .00964 | -.00333 | -.18247 | .00021 | -.00055 |
| #3 | -.00117 | -.13326 | .00965 | -.00309 | -.18438 | .00030 | -.00056 |

|        |          |         |         |         |         |         |        |
|--------|----------|---------|---------|---------|---------|---------|--------|
| Elem   | K_7664   | Mo2020  | B_2496  | S_1820  | Si2881  | Sn1899  | Ti3361 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | F .70475 | -.00051 | -.00561 | -.00980 | -.02377 | -.00446 | .00387 |
| Stddev | .01444   | .00006  | .00521  | .00136  | .00163  | .00026  | .00087 |
| %RSD   | 2.0495   | 12.379  | 92.846  | 13.850  | 6.8378  | 5.8477  | 22.514 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .71987 | -.00052 | -.00961 | -.00862 | -.02195 | -.00446 | .00328 |
| #2 | .69109 | -.00056 | .00028  | -.01129 | -.02428 | -.00420 | .00487 |
| #3 | .70328 | -.00044 | -.00750 | -.00951 | -.02508 | -.00472 | .00346 |

Sample Name: CCB15      Acquired: 3/29/2019 2:51:53      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LCSW      Custom ID2:      Custom ID3:  
 Comment:

|           |         |         |         |          |          |
|-----------|---------|---------|---------|----------|----------|
| Elem      | Li6707  | P_1774  | Sr4077  | U_3670   | U_3859   |
| Units     | ppm     | ppm     | ppm     | ppm      | ppm      |
| Avg       | -.00674 | .0021   | -.00059 | F<.00000 | F<.00000 |
| Stddev    | .00116  | .0004   | .00002  | 1.5351   | .70114   |
| %RSD      | 17.223  | 17.33   | 4.1496  | 1.7347   | 10.991   |
| #1        | -.00798 | .0025   | -.00062 | -86.727  | -5.8317  |
| #2        | -.00656 | .0019   | -.00058 | -89.235  | -6.1368  |
| #3        | -.00568 | .0019   | -.00057 | -89.515  | -7.1695  |
| Int. Std. | Y_2243  | Y_3600  | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S   | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 10853.  | 122790. | 6816.0  | 98.492   | 13159.   |
| Stddev    | 133.    | 1875.   | 170.3   | 4.496    | 148.     |
| %RSD      | 1.2228  | 1.5272  | 2.4978  | 4.5648   | 1.1263   |
| #1        | 10912.  | 120620. | 6707.6  | 94.508   | 13201.   |
| #2        | 10701.  | 123780. | 7012.3  | 103.37   | 12995.   |
| #3        | 10946.  | 123960. | 6728.2  | 97.600   | 13282.   |

Sample Name: K2112-02      Acquired: 3/29/2019 2:56:23      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01571 | -.00169 | 4.5829 | .00569 | .00045 | 1.3727 | .14331 | .00033 |
| Stddev | .00146 | .00074  | .0115  | .00138 | .00130 | .0009  | .00040 | .00003 |
| %RSD   | 9.2655 | 43.714  | .25095 | 24.214 | 287.42 | .06472 | .28135 | 8.4464 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .01438 | -.00209 | 4.5721 | .00684 | .00133  | 1.3717 | .14292 | .00036 |
| #2 | .01548 | -.00084 | 4.5817 | .00605 | -.00104 | 1.3732 | .14328 | .00030 |
| #3 | .01727 | -.00215 | 4.5950 | .00416 | .00107  | 1.3733 | .14372 | .00032 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00662 | 12.403 | .00932 | .02257 | .02372 | .22320 | .29980 | .88779 |
| Stddev | .00009 | .099   | .00039 | .00016 | .00032 | .00110 | .00118 | .01917 |
| %RSD   | 1.3465 | .80194 | 4.1708 | .70856 | 1.3474 | .49245 | .39323 | 2.1589 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00671 | 12.288 | .00900 | .02254 | .02406 | .22193 | .29844 | .87061 |
| #2 | .00653 | 12.458 | .00975 | .02275 | .02368 | .22388 | .30054 | .90846 |
| #3 | .00663 | 12.463 | .00921 | .02243 | .02342 | .22379 | .30042 | .88428 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05515 | -.00254 | 244.95 | -.00038 | .85449 | .91087 | .00124 | .02530 |
| Stddev | .00059 | .00049  | 2.11   | .00020  | .00115 | .01754 | .00009 | .02820 |
| %RSD   | 1.0714 | 19.385  | .86340 | 52.961  | .13513 | 1.9255 | 7.1901 | 111.46 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .05469 | -.00208 | 242.57 | -.00057 | .85417 | .89403 | .00132 | -.00498 |
| #2 | .05495 | -.00306 | 245.71 | -.00017 | .85353 | .90954 | .00114 | .03007  |
| #3 | .05582 | -.00247 | 246.59 | -.00040 | .85578 | .92903 | .00125 | .05081  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38356 | 1.2274 | .00068 | .00971 | .00853 | .0205  | .08936 | .95888 |
| Stddev | .00343 | .0085  | .00090 | .00187 | .00182 | .0030  | .00061 | .34426 |
| %RSD   | .89299 | .69150 | 131.68 | 19.272 | 21.383 | 14.80  | .68410 | 35.902 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .38751 | 1.2176 | .00082  | .00810 | .00665 | .0217 | .08865 | 1.2546 |
| #2 | .38138 | 1.2325 | .00151  | .00928 | .00865 | .0170 | .08975 | .58096 |
| #3 | .38179 | 1.2321 | -.00028 | .01177 | .01029 | .0227 | .08968 | 1.0411 |

Sample Name: K2112-02      Acquired: 3/29/2019 2:56:23      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EPH-4-8-WC-0      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.1402  
Stddev      1.4993  
%RSD      70.052

#1      .82261  
#2      3.7715  
#3      1.8265

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3516.2 | 40265. | 3206.9 | 45.014 | 3770.3 |
| Stddev    | 7.4    | 149.   | 20.1   | 1.173  | 7.3    |
| %RSD      | .21001 | .37000 | .62571 | 2.6050 | .19283 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3512.6 | 40427. | 3230.0 | 45.958 | 3766.5 |
| #2 | 3524.7 | 40133. | 3194.0 | 43.701 | 3778.6 |
| #3 | 3511.4 | 40236. | 3196.6 | 45.382 | 3765.6 |

Sample Name: K2112-03      Acquired: 3/29/2019 3:00:46      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00062 | .00009 | .04382 | .00483 | -.00329 | -.00579 | .11671 | .00007 |
| Stddev | .00169 | .00087 | .00114 | .00309 | .00121  | .00639  | .00119 | .00008 |
| %RSD   | 272.35 | 998.78 | 2.5968 | 64.037 | 36.886  | 110.38  | 1.0220 | 118.61 |

|    |         |         |        |        |         |         |        |        |
|----|---------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00011  | -.00034 | .04497 | .00652 | -.00225 | -.01184 | .11616 | .00001 |
| #2 | -.00076 | .00109  | .04270 | .00126 | -.00463 | -.00642 | .11808 | .00004 |
| #3 | .00251  | -.00049 | .04378 | .00671 | -.00299 | .00089  | .11589 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00040 | 92.939 | .00227 | .00241 | .00056 | .61820 | .71939 | 2.8348 |
| Stddev | .00011 | .320   | .00031 | .00019 | .00025 | .00807 | .00114 | .0645  |
| %RSD   | 28.269 | .34398 | 13.708 | 8.0416 | 44.486 | 1.3052 | .15859 | 2.2769 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00037 | 93.299 | .00210 | .00251 | .00084 | .62073 | .71996 | 2.7677 |
| #2 | .00053 | 92.828 | .00263 | .00219 | .00036 | .62470 | .72014 | 2.8401 |
| #3 | .00031 | 92.689 | .00208 | .00254 | .00048 | .60917 | .71808 | 2.8965 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00560 | -.00438 | 258.08 | -.00085 | .11600 | 1.8968 | .00193 | .04254 |
| Stddev | .00045 | .00017  | .79    | .00058  | .00012 | .0665  | .00017 | .01109 |
| %RSD   | 8.0874 | 3.9381  | .30579 | 68.342  | .10694 | 3.5053 | 8.5420 | 26.079 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00525 | -.00441 | 258.12 | -.00019 | .11611 | 1.8215 | .00175 | .05535 |
| #2 | .00544 | -.00420 | 258.85 | -.00106 | .11586 | 1.9475 | .00207 | .03602 |
| #3 | .00611 | -.00454 | 257.27 | -.00130 | .11603 | 1.9215 | .00198 | .03625 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1079 | .46793 | -.00013 | .00744 | .00863 | .0114  | .24671 | 1.1064 |
| Stddev | .0053  | .00784 | .00076  | .00342 | .00118 | .0014  | .00122 | .1269  |
| %RSD   | .47718 | 1.6751 | 570.50  | 45.964 | 13.730 | 12.37  | .49564 | 11.469 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.1053 | .47578 | .00032  | .00499 | .00754 | .0113 | .24790 | .96713 |
| #2 | 1.1140 | .46789 | -.00101 | .00599 | .00989 | .0100 | .24678 | 1.1365 |
| #3 | 1.1044 | .46011 | .00029  | .01135 | .00846 | .0128 | .24546 | 1.2155 |

Sample Name: K2112-03      Acquired: 3/29/2019 3:00:46      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DR-WC-001      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      3.3963  
 Stddev      1.2433  
 %RSD      36.607

#1      2.0125  
 #2      4.4192  
 #3      3.7571

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3468.8 | 39948. | 3184.3 | 44.668 | 3680.4 |
| Stddev    | 6.5    | 158.   | 24.2   | 1.351  | 8.3    |
| %RSD      | .18674 | .39532 | .75981 | 3.0242 | .22498 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3461.3 | 39867. | 3156.4 | 43.195 | 3671.1 |
| #2 | 3472.5 | 39847. | 3196.5 | 45.850 | 3687.0 |
| #3 | 3472.5 | 40130. | 3200.0 | 44.958 | 3683.2 |

Sample Name: K2112-03DUP      Acquired: 3/29/2019 3:05:12      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |         |        |        |
|--------|--------|---------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00456 | -.00048 | .04354 | .00545 | -.00285 | -.00185 | .11923 | .00011 |
| Stddev | .00145 | .00037  | .00189 | .00241 | .00124  | .02052  | .00039 | .00008 |
| %RSD   | 31.914 | 76.543  | 4.3427 | 44.216 | 43.478  | 1108.4  | .33113 | 70.197 |

|    |        |         |        |        |         |         |        |        |
|----|--------|---------|--------|--------|---------|---------|--------|--------|
| #1 | .00386 | -.00080 | .04287 | .00823 | -.00335 | -.01689 | .11968 | .00002 |
| #2 | .00358 | -.00008 | .04207 | .00422 | -.00144 | -.01019 | .11894 | .00014 |
| #3 | .00623 | -.00055 | .04567 | .00390 | -.00375 | .02152  | .11906 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00034 | 93.187 | .00345 | .00237 | .00128 | .62048 | .72346 | 2.8252 |
| Stddev | .00005 | .132   | .00047 | .00025 | .00037 | .00224 | .00371 | .0602  |
| %RSD   | 14.551 | .14136 | 13.589 | 10.393 | 28.543 | .36036 | .51325 | 2.1294 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00038 | 93.265 | .00394 | .00248 | .00113 | .62249 | .71980 | 2.8638 |
| #2 | .00029 | 93.035 | .00342 | .00209 | .00101 | .62087 | .72722 | 2.8558 |
| #3 | .00035 | 93.261 | .00300 | .00255 | .00170 | .61807 | .72335 | 2.7559 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00563 | -.00402 | 261.10 | -.00095 | .11520 | 1.8991 | .00177 | .02592 |
| Stddev | .00003 | .00028  | .87    | .00029  | .00123 | .0641  | .00033 | .02615 |
| %RSD   | .52022 | 6.9705  | .33498 | 30.293  | 1.0665 | 3.3774 | 18.372 | 100.91 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00561 | -.00400 | 261.28 | -.00071 | .11555 | 1.9111 | .00158 | .05023  |
| #2 | .00567 | -.00375 | 261.88 | -.00127 | .11383 | 1.8298 | .00215 | -.00175 |
| #3 | .00562 | -.00431 | 260.15 | -.00087 | .11621 | 1.9564 | .00159 | .02927  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0946 | .46616 | -.00041 | .01006 | .00953 | .0102  | .24815 | 1.4594 |
| Stddev | .0139  | .00223 | .00045  | .00122 | .00343 | .0009  | .00035 | .2895  |
| %RSD   | 1.2704 | .47896 | 110.36  | 12.101 | 35.954 | 8.981  | .14208 | 19.837 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 1.0892 | .46574 | -.00021 | .00888 | .00563 | .0105 | .24819 | 1.1344 |
| #2 | 1.0842 | .46857 | -.00093 | .01131 | .01205 | .0092 | .24778 | 1.6896 |
| #3 | 1.1104 | .46416 | -.00010 | .00997 | .01093 | .0110 | .24848 | 1.5542 |



Sample Name: K2112-03DUP      Acquired: 3/29/2019 3:05:12      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DR-WC-001DUP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.5285 |
| Stddev | .9356  |
| %RSD   | 26.516 |

|    |        |
|----|--------|
| #1 | 3.5038 |
| #2 | 4.4762 |
| #3 | 2.6055 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3471.5 | 39555. | 3182.6 | 43.134 | 3693.3 |
| Stddev    | 25.5   | 62.    | 6.5    | 1.476  | 32.8   |
| %RSD      | .73460 | .15767 | .20472 | 3.4215 | .88684 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3491.5 | 39544. | 3178.3 | 44.738 | 3681.6 |
| #2 | 3480.1 | 39498. | 3190.1 | 42.830 | 3730.3 |
| #3 | 3442.8 | 39621. | 3179.4 | 41.833 | 3668.0 |

Sample Name: K2112-03LX5      Acquired: 3/29/2019 3:09:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00426 | .00099 | .00743 | .00399 | -.00264 | -.01103 | .02377 | .00007 |
| Stddev | .00242 | .00038 | .00044 | .00157 | .00121  | .01234  | .00087 | .00016 |
| %RSD   | 56.887 | 38.579 | 5.8800 | 39.333 | 45.952  | 111.87  | 3.6533 | 250.43 |

|    |        |        |        |        |         |         |        |         |
|----|--------|--------|--------|--------|---------|---------|--------|---------|
| #1 | .00203 | .00055 | .00779 | .00477 | -.00138 | -.00505 | .02453 | .00021  |
| #2 | .00684 | .00122 | .00695 | .00218 | -.00275 | -.00282 | .02396 | -.00011 |
| #3 | .00390 | .00122 | .00756 | .00501 | -.00380 | -.02521 | .02282 | .00009  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00018 | 20.362 | .00136 | .00040 | -.00235 | .13764 | .15976 | .51111 |
| Stddev | .00005  | .011   | .00049 | .00014 | .00032  | .00174 | .00054 | .03327 |
| %RSD   | 27.107  | .05205 | 35.864 | 34.532 | 13.452  | 1.2611 | .33745 | 6.5094 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | -.00015 | 20.374 | .00166 | .00025 | -.00218 | .13744 | .15930 | .54197 |
| #2 | -.00016 | 20.357 | .00164 | .00052 | -.00216 | .13947 | .16035 | .47586 |
| #3 | -.00024 | 20.354 | .00080 | .00043 | -.00272 | .13602 | .15963 | .51549 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00081 | -.00280 | 53.595 | -.00006 | .03151 | .50640 | .00019 | .00200 |
| Stddev | .00025 | .00019  | .087   | .00011  | .00022 | .01732 | .00017 | .00749 |
| %RSD   | 30.522 | 6.9601  | .16174 | 178.02  | .70970 | 3.4200 | 94.267 | 375.07 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00108 | -.00295 | 53.646 | .00007  | .03167 | .51952 | .00036 | -.00509 |
| #2 | .00076 | -.00287 | 53.643 | -.00012 | .03125 | .48677 | .00001 | .00984  |
| #3 | .00059 | -.00258 | 53.494 | -.00013 | .03160 | .51292 | .00019 | .00124  |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22897 | .10345 | -.00089 | .00725 | .00262 | .0069  | .05295 | .44052 |
| Stddev | .00378 | .00143 | .00053  | .00353 | .00243 | .0008  | .00012 | .40416 |
| %RSD   | 1.6527 | 1.3803 | 59.465  | 48.753 | 92.582 | 11.84  | .23573 | 91.747 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | .22493 | .10334 | -.00146 | .01011 | .00114 | .0078 | .05300 | .85421 |
| #2 | .23244 | .10208 | -.00041 | .00330 | .00542 | .0063 | .05280 | .04661 |
| #3 | .22952 | .10493 | -.00081 | .00834 | .00131 | .0066 | .05303 | .42073 |

Sample Name: K2112-03LX5      Acquired: 3/29/2019 3:09:39      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .75339  
 Stddev      .84451  
 %RSD      112.10

#1      -.18333  
 #2      .98694  
 #3      1.4565

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3560.3 | 40662. | 3141.0 | 44.436 | 3914.4 |
| Stddev    | 5.3    | 244.   | 7.1    | 1.419  | 13.3   |
| %RSD      | .14780 | .59914 | .22663 | 3.1933 | .34023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3558.2 | 40424. | 3148.5 | 42.814 | 3908.1 |
| #2 | 3566.2 | 40651. | 3140.1 | 45.449 | 3929.8 |
| #3 | 3556.4 | 40911. | 3134.4 | 45.045 | 3905.5 |

Sample Name: K2112-03MS      Acquired: 3/29/2019 3:14:07      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73732 | 1.7670 | .87704 | 1.9263 | .72969 | 1.7922 | .29544 |
| Stddev | .00731 | .0091  | .00214 | .0083  | .00325 | .0082  | .00091 |
| %RSD   | .99116 | .51564 | .24362 | .43291 | .44571 | .45690 | .30756 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .74549 | 1.7578 | .87499 | 1.9340 | .73159 | 1.7831 | .29452 |
| #2 | .73508 | 1.7760 | .87925 | 1.9174 | .72594 | 1.7948 | .29548 |
| #3 | .73140 | 1.7672 | .87688 | 1.9274 | .73155 | 1.7989 | .29633 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18434 | .17817 | 89.303 | .39596 | .18534 | .27004 | 3.5237 |
| Stddev | .00071 | .00069 | .943   | .00106 | .00034 | .00208 | .0153  |
| %RSD   | .38569 | .38513 | 1.0563 | .26646 | .18279 | .76986 | .43432 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18356 | .17741 | 88.244 | .39639 | .18499 | .27195 | 3.5156 |
| #2 | .18495 | .17875 | 89.612 | .39476 | .18566 | .26783 | 3.5413 |
| #3 | .18451 | .17834 | 90.054 | .39674 | .18538 | .27035 | 3.5141 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .86912 | 4.4913 | .46184 | .06310 | 249.01 | .29166 | .29066 |
| Stddev | .00313 | .0769  | .00132 | .00109 | .92    | .00177 | .00092 |
| %RSD   | .35985 | 1.7115 | .28669 | 1.7225 | .36888 | .60584 | .31685 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86560 | 4.4192 | .46079 | .06434 | 247.95 | .29351 | .29041 |
| #2 | .87158 | 4.5722 | .46333 | .06231 | 249.57 | .29148 | .29168 |
| #3 | .87019 | 4.4825 | .46140 | .06265 | 249.52 | .28999 | .28989 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.391 | .36831 | .28567 | 1.0360 | 1.2803 | .62590 | .19439 |
| Stddev | .049   | .00083 | .00649 | .0056  | .0063  | .00303 | .00241 |
| %RSD   | .43009 | .22455 | 2.2720 | .53724 | .48849 | .48484 | 1.2373 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.447 | .36906 | .27819 | 1.0308 | 1.2873 | .62240 | .19443 |
| #2 | 11.357 | .36742 | .28982 | 1.0419 | 1.2754 | .62781 | .19197 |
| #3 | 11.369 | .36843 | .28899 | 1.0352 | 1.2780 | .62749 | .19677 |

Sample Name: K2112-03MS      Acquired: 3/29/2019 3:14:07      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001MS      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20260 | 5.572  | .40680 | 2.5016 | F<.00000 |
| Stddev    | .00323 | .027   | .00449 | .2065  | 1.0552   |
| %RSD      | 1.5926 | .4847  | 1.1036 | 8.2538 | 31.182   |
| #1        | .20062 | 5.544  | .40174 | 2.2895 | -3.9238  |
| #2        | .20086 | 5.598  | .41028 | 2.7019 | -2.1681  |
| #3        | .20632 | 5.574  | .40840 | 2.5134 | -4.0601  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3467.3 | 40158. | 3213.1 | 46.063 | 3684.6   |
| Stddev    | 8.9    | 166.   | 30.3   | .554   | 18.3     |
| %RSD      | .25808 | .41403 | .94337 | 1.2029 | .49784   |
| #1        | 3457.0 | 40336. | 3247.9 | 45.814 | 3699.2   |
| #2        | 3472.8 | 40006. | 3198.8 | 46.698 | 3664.0   |
| #3        | 3472.1 | 40133. | 3192.6 | 45.676 | 3690.7   |

Sample Name: K2112-03MSD      Acquired: 3/29/2019 3:18:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73672 | 1.7698 | .87975 | 1.9246 | .73093 | 1.7899 | .29466 |
| Stddev | .00180 | .0145  | .00450 | .0128  | .00380 | .0341  | .00359 |
| %RSD   | .24428 | .81947 | .51095 | .66340 | .51942 | 1.9048 | 1.2186 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73625 | 1.7542 | .87605 | 1.9346 | .73415 | 1.7787 | .29225 |
| #2 | .73870 | 1.7828 | .88475 | 1.9289 | .73190 | 1.7629 | .29295 |
| #3 | .73519 | 1.7725 | .87844 | 1.9102 | .72675 | 1.8282 | .29879 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18479 | .17909 | 89.701 | .39872 | .18633 | .27040 | 3.5309 |
| Stddev | .00109 | .00111 | .525   | .00217 | .00102 | .00103 | .0112  |
| %RSD   | .58784 | .61985 | .58560 | .54376 | .54598 | .38186 | .31571 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18385 | .17840 | 90.248 | .39676 | .18594 | .27159 | 3.5252 |
| #2 | .18455 | .18037 | 89.656 | .39836 | .18748 | .26983 | 3.5237 |
| #3 | .18598 | .17851 | 89.200 | .40105 | .18556 | .26977 | 3.5437 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .87136 | 4.4645 | .46461 | .06298 | 248.20 | .29159 | .29162 |
| Stddev | .00408 | .0821  | .00382 | .00032 | 1.71   | .00173 | .00276 |
| %RSD   | .46777 | 1.8399 | .82310 | .50264 | .69007 | .59498 | .94789 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86777 | 4.3845 | .46074 | .06287 | 246.87 | .29179 | .28962 |
| #2 | .87052 | 4.4605 | .46839 | .06333 | 247.59 | .29322 | .29477 |
| #3 | .87579 | 4.5486 | .46471 | .06273 | 250.13 | .28977 | .29045 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.407 | .36960 | .30197 | 1.0358 | 1.2819 | .62680 | .19368 |
| Stddev | .155   | .00215 | .02207 | .0121  | .0112  | .00705 | .00155 |
| %RSD   | 1.3562 | .58299 | 7.3075 | 1.1680 | .87046 | 1.1246 | .80230 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.299 | .37161 | .32723 | 1.0249 | 1.2804 | .62227 | .19395 |
| #2 | 11.338 | .36986 | .29226 | 1.0489 | 1.2938 | .63492 | .19509 |
| #3 | 11.584 | .36732 | .28643 | 1.0336 | 1.2716 | .62321 | .19201 |

Sample Name: K2112-03MSD      Acquired: 3/29/2019 3:18:18      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DR-WC-001MSD Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20402 | 5.583  | .40792 | 2.0960 | F<.00000 |
| Stddev    | .00154 | .056   | .00175 | .3812  | .55644   |
| %RSD      | .75281 | 1.007  | .42874 | 18.186 | 18.443   |
| #1        | .20288 | 5.529  | .40884 | 2.5067 | -3.6027  |
| #2        | .20340 | 5.641  | .40902 | 1.7537 | -2.9533  |
| #3        | .20576 | 5.579  | .40590 | 2.0275 | -2.4954  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3477.9 | 40213. | 3203.2 | 44.978 | 3695.2   |
| Stddev    | 9.4    | 98.    | 26.2   | 1.082  | 26.3     |
| %RSD      | .27046 | .24295 | .81890 | 2.4059 | .71135   |
| #1        | 3467.3 | 40244. | 3181.1 | 43.757 | 3720.2   |
| #2        | 3481.2 | 40291. | 3196.3 | 45.818 | 3667.8   |
| #3        | 3485.2 | 40103. | 3232.2 | 45.361 | 3697.5   |

Sample Name: K2112-03A      Acquired: 3/29/2019 3:22:27      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA8086      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72926 | 1.7541 | .86755 | 1.9257 | .72343 | 1.7617 | .29133 |
| Stddev | .00621 | .0130  | .00566 | .0078  | .00295 | .0141  | .00176 |
| %RSD   | .85124 | .73915 | .65289 | .40498 | .40815 | .80240 | .60400 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72247 | 1.7499 | .86754 | 1.9167 | .72018 | 1.7472 | .29169 |
| #2 | .73464 | 1.7687 | .87322 | 1.9309 | .72594 | 1.7755 | .29288 |
| #3 | .73066 | 1.7438 | .86189 | 1.9294 | .72418 | 1.7624 | .28941 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18319 | .17751 | 88.594 | .39257 | .18463 | .26723 | 3.5060 |
| Stddev | .00037 | .00119 | 1.047  | .00012 | .00095 | .00135 | .0089  |
| %RSD   | .20213 | .67212 | 1.1812 | .02942 | .51490 | .50557 | .25365 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18342 | .17713 | 88.245 | .39257 | .18501 | .26575 | 3.5109 |
| #2 | .18276 | .17884 | 87.766 | .39245 | .18533 | .26753 | 3.4957 |
| #3 | .18338 | .17655 | 89.770 | .39268 | .18355 | .26840 | 3.5114 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .86476 | 4.3996 | .46013 | .06136 | 245.42 | .28735 | .28882 |
| Stddev | .00171 | .0866  | .00395 | .00097 | 1.61   | .00080 | .00141 |
| %RSD   | .19807 | 1.9684 | .85754 | 1.5869 | .65801 | .27866 | .48913 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86440 | 4.3113 | .46037 | .06103 | 245.72 | .28823 | .28849 |
| #2 | .86326 | 4.4031 | .46395 | .06059 | 243.68 | .28667 | .29037 |
| #3 | .86663 | 4.4844 | .45607 | .06245 | 246.86 | .28716 | .28760 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.331 | .36554 | .28505 | 1.0249 | 1.2805 | .62262 | .19207 |
| Stddev | .047   | .00244 | .01927 | .0042  | .0184  | .00280 | .00245 |
| %RSD   | .41209 | .66673 | 6.7598 | .40852 | 1.4387 | .44982 | 1.2731 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 11.322 | .36276 | .30729 | 1.0232 | 1.2698 | .62347 | .19197 |
| #2 | 11.381 | .36655 | .27428 | 1.0297 | 1.2699 | .62490 | .19457 |
| #3 | 11.289 | .36731 | .27357 | 1.0219 | 1.3018 | .61950 | .18968 |



Sample Name: K2112-03A      Acquired: 3/29/2019 3:22:27      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA8086      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20554 | 5.536  | .40125 | 2.2246 | F<.00000 |
| Stddev | .00297 | .036   | .00382 | .5275  | 1.4310   |
| %RSD   | 1.4464 | .6493  | .95187 | 23.712 | 39.854   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20274 | 5.536 | .40168 | 2.8220 | -2.0841 |
| #2 | .20866 | 5.572 | .39724 | 1.8228 | -4.9317 |
| #3 | .20523 | 5.500 | .40484 | 2.0292 | -3.7560 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3529.5 | 40337. | 3209.1 | 44.381 | 3745.3 |
| Stddev    | 4.3    | 109.   | 20.6   | .925   | 35.2   |
| %RSD      | .12218 | .26941 | .64076 | 2.0843 | .93886 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3524.7 | 40288. | 3214.0 | 45.448 | 3722.4 |
| #2 | 3530.8 | 40461. | 3226.9 | 43.900 | 3727.7 |
| #3 | 3533.1 | 40261. | 3186.6 | 43.796 | 3785.8 |

Sample Name: K2093-03      Acquired: 3/29/2019 3:26:37      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DL-2-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00192 | .00176 | -.01487 | .02494 | -.00179 | -.03023 | .22419 |
| Stddev | .00250  | .00051 | .00044  | .00180 | .00049  | .01616  | .00329 |
| %RSD   | 130.00  | 28.902 | 2.9736  | 7.2080 | 27.485  | 53.460  | 1.4686 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | .00069  | .00167 | -.01531 | .02622 | -.00216 | -.01173 | .22066 |
| #2 | -.00217 | .00130 | -.01489 | .02289 | -.00198 | -.04161 | .22718 |
| #3 | -.00429 | .00231 | -.01442 | .02572 | -.00123 | -.03735 | .22472 |

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00273 | -.00274 | 19.415 | -.00357 | -.00002 | .04070 | 43.653 |
| Stddev | .00008  | .00004  | .040   | .00050  | .00005  | .00029 | .067   |
| %RSD   | 2.7560  | 1.4715  | .20543 | 13.890  | 275.42  | .71897 | .15236 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00271 | -.00274 | 19.380 | -.00411 | -.00008 | .04059 | 43.629 |
| #2 | -.00268 | -.00270 | 19.459 | -.00346 | -.00000 | .04103 | 43.603 |
| #3 | -.00282 | -.00278 | 19.405 | -.00314 | .00002  | .04047 | 43.729 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .48099 | 3.4277 | -.00493 | -.00550 | 72.079 | -.00031 | 1.1852 |
| Stddev | .00017 | .0791  | .00029  | .00030  | .838   | .00044  | .0024  |
| %RSD   | .03441 | 2.3075 | 5.7914  | 5.3602  | 1.1620 | 140.23  | .19977 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .48084 | 3.3710 | -.00478 | -.00530 | 71.171 | -.00020 | 1.1874 |
| #2 | .48096 | 3.5180 | -.00476 | -.00584 | 72.821 | .00006  | 1.1856 |
| #3 | .48117 | 3.3940 | -.00526 | -.00537 | 72.245 | -.00080 | 1.1827 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.9656 | -.00149 | .07939 | 2.5218 | .28530 | -.00200 | .00633 |
| Stddev | .0122  | .00027  | .01268 | .0135  | .00471 | .00054  | .00376 |
| %RSD   | .62256 | 17.821  | 15.974 | .53637 | 1.6505 | 26.736  | 59.416 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 1.9647 | -.00156 | .08658 | 2.5222 | .28988 | -.00148 | .00251 |
| #2 | 1.9782 | -.00172 | .08685 | 2.5351 | .28048 | -.00198 | .01003 |
| #3 | 1.9538 | -.00120 | .06475 | 2.5081 | .28553 | -.00255 | .00645 |

Sample Name: K2093-03      Acquired: 3/29/2019 3:26:37      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DL-2-COMP      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00244 | .0144  | .10464 | <.00000 | F<.00000 |
| Stddev    | .00121 | .0001  | .00074 | .55026  | 1.1634   |
| %RSD      | 49.509 | .8208  | .70825 | 47.930  | 3.6720   |
| #1        | .00361 | .0144  | .10391 | -1.6576 | -32.338  |
| #2        | .00119 | .0145  | .10462 | -1.2220 | -32.372  |
| #3        | .00252 | .0143  | .10539 | -.56456 | -30.340  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3632.6 | 41869. | 3275.1 | 46.444  | 3999.6   |
| Stddev    | 11.2   | 208.   | 33.4   | .763    | 14.2     |
| %RSD      | .30728 | .49783 | 1.0199 | 1.6439  | .35381   |
| #1        | 3632.4 | 42100. | 3268.4 | 45.690  | 3994.0   |
| #2        | 3621.5 | 41695. | 3311.3 | 47.217  | 3989.2   |
| #3        | 3643.8 | 41811. | 3245.5 | 46.425  | 4015.7   |

Sample Name: K2093-18      Acquired: 3/29/2019 3:31:11      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 30092-30093-      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00067 | .00015 | -.00368 | .00267 | .00036 | .08166 | .05335 | -.00004 |
| Stddev | .00219  | .00100 | .00028  | .00041 | .00030 | .00718 | .00056 | .00010  |
| %RSD   | 326.11  | 678.22 | 7.4785  | 15.407 | 84.386 | 8.7977 | 1.0511 | 253.57  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | .00149  | .00020  | -.00382 | .00297 | .00024 | .07343 | .05281 | -.00011 |
| #2 | -.00062 | .00112  | -.00386 | .00284 | .00071 | .08667 | .05393 | .00007  |
| #3 | -.00289 | -.00088 | -.00336 | .00220 | .00014 | .08489 | .05332 | -.00007 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00032 | 1.2732 | .00275 | .00004 | -.00372 | .45552 | .00962 | .30125 |
| Stddev | .00003  | .0167  | .00056 | .00007 | .00024  | .00478 | .00012 | .09149 |
| %RSD   | 10.003  | 1.3089 | 20.299 | 191.88 | 6.3786  | 1.0503 | 1.2261 | 30.369 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00028 | 1.2543 | .00235 | .00002  | -.00397 | .45649 | .00963 | .30370 |
| #2 | -.00034 | 1.2857 | .00252 | .00012  | -.00349 | .45974 | .00974 | .39149 |
| #3 | -.00033 | 1.2796 | .00339 | -.00002 | -.00369 | .45032 | .00950 | .20857 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00085 | -.00251 | 28.054 | .00071 | .01792 | .82855 | .00110 | .02142 |
| Stddev | .00043 | .00028  | .082   | .00017 | .00013 | .02417 | .00017 | .00588 |
| %RSD   | 49.953 | 10.960  | .29402 | 23.622 | .72323 | 2.9166 | 15.552 | 27.455 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00063 | -.00264 | 27.962 | .00062 | .01796 | .85485 | .00130 | .02359 |
| #2 | .00059 | -.00220 | 28.081 | .00091 | .01778 | .82349 | .00098 | .02591 |
| #3 | .00135 | -.00270 | 28.120 | .00061 | .01803 | .80732 | .00104 | .01476 |

|        |        |        |         |        |        |        |        |         |
|--------|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 8.0214 | 1.3934 | -.00546 | .00903 | .00502 | .0088  | .01412 | <.00000 |
| Stddev | .0379  | .0209  | .00078  | .00237 | .00066 | .0010  | .00031 | .18543  |
| %RSD   | .47218 | 1.4984 | 14.223  | 26.206 | 13.252 | 11.22  | 2.1715 | 11.113  |

|    |        |        |         |        |        |       |        |         |
|----|--------|--------|---------|--------|--------|-------|--------|---------|
| #1 | 7.9918 | 1.3902 | -.00464 | .00745 | .00484 | .0087 | .01376 | -1.4874 |
| #2 | 8.0085 | 1.4156 | -.00619 | .01175 | .00575 | .0099 | .01433 | -1.8580 |
| #3 | 8.0641 | 1.3742 | -.00556 | .00788 | .00446 | .0079 | .01426 | -1.6606 |

Sample Name: K2093-18      Acquired: 3/29/2019 3:31:11      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30092-30093-      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 1.1196  |
| %RSD   | 112.59  |

|    |         |
|----|---------|
| #1 | -2.2610 |
| #2 | -.13645 |
| #3 | -.58594 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3672.0 | 42022. | 3250.5 | 47.340 | 4155.2 |
| Stddev    | 14.2   | 130.   | 23.3   | .442   | 9.0    |
| %RSD      | .38608 | .30993 | .71737 | .93466 | .21728 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3657.4 | 42046. | 3261.5 | 46.864 | 4146.4 |
| #2 | 3673.0 | 41882. | 3223.7 | 47.418 | 4154.9 |
| #3 | 3685.7 | 42139. | 3266.3 | 47.738 | 4164.4 |

Sample Name: K2093-21      Acquired: 3/29/2019 3:35:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 30099-30100-      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00634 | .00063 | -.00333 | .00857 | -.00160 | .12879 | .09267 |
| Stddev | .00273 | .00128 | .00073  | .00230 | .00074  | .01708 | .00044 |
| %RSD   | 43.084 | 203.02 | 21.799  | 26.861 | 46.281  | 13.263 | .47467 |

|    |        |         |         |        |         |        |        |
|----|--------|---------|---------|--------|---------|--------|--------|
| #1 | .00915 | .00205  | -.00290 | .00591 | -.00174 | .14539 | .09285 |
| #2 | .00370 | -.00042 | -.00416 | .00990 | -.00226 | .11127 | .09299 |
| #3 | .00617 | .00025  | -.00292 | .00990 | -.00080 | .12972 | .09217 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00079 | -.00089 | 176.12 | .00192 | .00281 | .01192 | 13.127 |
| Stddev | .00002  | .00002  | 1.90   | .00054 | .00015 | .00026 | .048   |
| %RSD   | 2.6430  | 2.4592  | 1.0769 | 28.288 | 5.4066 | 2.2104 | .36485 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00081 | -.00087 | 174.18 | .00240 | .00275 | .01193 | 13.087 |
| #2 | -.00080 | -.00089 | 176.22 | .00203 | .00298 | .01219 | 13.180 |
| #3 | -.00077 | -.00091 | 177.97 | .00133 | .00270 | .01166 | 13.113 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .20843 | 2.3974 | .00627 | -.00689 | 51.164 | .00327 | .27031 |
| Stddev | .00128 | .0691  | .00060 | .00017  | .236   | .00057 | .00128 |
| %RSD   | .61624 | 2.8807 | 9.5476 | 2.5064  | .46041 | 17.530 | .47203 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .20975 | 2.4264 | .00561 | -.00696 | 50.895 | .00336 | .27083 |
| #2 | .20837 | 2.3186 | .00679 | -.00701 | 51.333 | .00379 | .27125 |
| #3 | .20718 | 2.4472 | .00640 | -.00669 | 51.264 | .00265 | .26886 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 3.7920 | .04556 | .45280 | 3.0502 | 1.5338 | -.00106 | .00449 |
| Stddev | .0293  | .00055 | .01287 | .0038  | .0028  | .00012  | .00150 |
| %RSD   | .77153 | 1.2042 | 2.8428 | .12430 | .18408 | 11.660  | 33.329 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 3.7752 | .04615 | .46537 | 3.0510 | 1.5335 | -.00116 | .00565 |
| #2 | 3.7751 | .04548 | .43964 | 3.0534 | 1.5367 | -.00092 | .00502 |
| #3 | 3.8258 | .04506 | .45338 | 3.0460 | 1.5311 | -.00110 | .00280 |

Sample Name: K2093-21      Acquired: 3/29/2019 3:35:39      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 30099-30100-      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .12775 | .2263  | .33660 | 1.2503 | F<.00000 |
| Stddev    | .00033 | .0013  | .00378 | .2528  | .75949   |
| %RSD      | .25498 | .5807  | 1.1233 | 20.222 | 21.838   |
| #1        | .12739 | .2267  | .33271 | .97901 | -2.7281  |
| #2        | .12782 | .2273  | .33682 | 1.4794 | -4.2467  |
| #3        | .12803 | .2248  | .34027 | 1.2925 | -3.4586  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3430.6 | 39943. | 3168.4 | 44.583 | 3720.2   |
| Stddev    | 20.0   | 87.    | 18.0   | .244   | 17.8     |
| %RSD      | .58215 | .21746 | .56730 | .54775 | .47733   |
| #1        | 3413.0 | 39968. | 3188.7 | 44.858 | 3706.1   |
| #2        | 3426.5 | 39847. | 3162.2 | 44.392 | 3714.5   |
| #3        | 3452.3 | 40015. | 3154.3 | 44.500 | 3740.1   |

Sample Name: CCV16      Acquired: 3/29/2019 3:40:04      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14776      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |          |        |        |        |          |          |
|--------|--------|--------|----------|--------|--------|--------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.6995 | 4.8571 | F 4.4983 | 4.9368 | 4.7050 | 9.0441 | F 8.9684 | .23872   |
| Stddev | .0081  | .0217  | .0051    | .0047  | .0148  | .0469  | .0232    | .00031   |
| %RSD   | .17280 | .44693 | .11415   | .09485 | .31376 | .51829 | .25910   | .12801   |
| #1     | 4.7039 | 4.8539 | 4.4928   | 4.9366 | 4.6897 | 8.9901 | 8.9653   | .23893   |
| #2     | 4.7045 | 4.8802 | 4.5030   | 4.9416 | 4.7192 | 9.0733 | 8.9931   | .23886   |
| #3     | 4.6902 | 4.8372 | 4.4992   | 4.9322 | 4.7061 | 9.0691 | 8.9469   | .23837   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 2.3535 | 24.941 | 1.0108   | 2.3584 | 1.1529 | 5.0873 | 2.3831   | 23.366   |
| Stddev | .0066  | .101   | .0029    | .0075  | .0044  | .0071  | .0013    | .249     |
| %RSD   | .28229 | .40307 | .28374   | .31691 | .38131 | .13949 | .05323   | 1.0657   |
| #1     | 2.3463 | 24.926 | 1.0130   | 2.3527 | 1.1485 | 5.0927 | 2.3825   | 23.088   |
| #2     | 2.3594 | 25.048 | 1.0076   | 2.3669 | 1.1573 | 5.0793 | 2.3846   | 23.442   |
| #3     | 2.3548 | 24.849 | 1.0119   | 2.3557 | 1.1529 | 5.0900 | 2.3822   | 23.568   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 2.3657 | 1.2030 | 23.219   | 2.4006 | 2.3234 | 22.902 | 4.7011   | 4.7630   |
| Stddev | .0089  | .0047  | .010     | .0051  | .0082  | .019   | .0081    | .0133    |
| %RSD   | .37771 | .38751 | .04315   | .21270 | .35447 | .08390 | .17168   | .27824   |
| #1     | 2.3568 | 1.2082 | 23.222   | 2.4046 | 2.3157 | 22.890 | 4.6921   | 4.7484   |
| #2     | 2.3747 | 1.2016 | 23.227   | 2.4025 | 2.3321 | 22.924 | 4.7076   | 4.7742   |
| #3     | 2.3655 | 1.1992 | 23.208   | 2.3949 | 2.3224 | 22.891 | 4.7035   | 4.7663   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | 4.6583 | 5.0120 | 4.7606   | 4.9559 | 4.7812 | 4.847  | 4.7122   | F .95612 |
| Stddev | .0243  | .0115  | .0170    | .0214  | .0362  | .029   | .0363    | .40546   |
| %RSD   | .52105 | .23019 | .35734   | .43071 | .75667 | .6036  | .77107   | 42.407   |
| #1     | 4.6711 | 5.0044 | 4.7494   | 4.9487 | 4.7755 | 4.843  | 4.7221   | .52573   |
| #2     | 4.6734 | 5.0253 | 4.7802   | 4.9799 | 4.8199 | 4.878  | 4.7425   | 1.0117   |
| #3     | 4.6303 | 5.0063 | 4.7523   | 4.9391 | 4.7483 | 4.820  | 4.6719   | 1.3309   |



Sample Name: CCV16      Acquired: 3/29/2019 3:40:04      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14776      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.0256 |
| Stddev | 1.8818   |
| %RSD   | 183.48   |

|    |         |
|----|---------|
| #1 | 2.8169  |
| #2 | 1.1953  |
| #3 | -.93533 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3568.6 | 40714. | 3176.5 | 44.031 | 3774.7 |
| Stddev    | 6.1    | 85.    | 20.0   | 2.244  | 12.9   |
| %RSD      | .17070 | .20884 | .62975 | 5.0958 | .34282 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3574.7 | 40657. | 3166.0 | 41.825 | 3786.0 |
| #2 | 3562.5 | 40674. | 3163.8 | 46.310 | 3760.6 |
| #3 | 3568.5 | 40812. | 3199.5 | 43.957 | 3777.4 |

Sample Name: CCB16      Acquired: 3/29/2019 3:44:05      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14776      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00140 | .00121 | -.00369 | .00238 | -.00026 | -.03015 | .00090 |
| Stddev | .00252 | .00197 | .00051  | .00210 | .00063  | .00452  | .00111 |
| %RSD   | 179.42 | 162.80 | 13.750  | 88.164 | 239.56  | 14.996  | 123.78 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00121 | .00347  | -.00317 | .00328  | -.00098 | -.02531 | .00187  |
| #2 | .00160  | .00031  | -.00373 | .00389  | .00003  | -.03085 | .00113  |
| #3 | .00382  | -.00015 | -.00418 | -.00002 | .00017  | -.03427 | -.00031 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00000 | -.00029 | -.00937 | .00157 | .00006 | -.00397 | .00525 |
| Stddev | .00005 | .00007  | .00779  | .00009 | .00013 | .00047  | .00030 |
| %RSD   | 3946.9 | 25.415  | 83.140  | 5.4630 | 208.69 | 11.886  | 5.8039 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | .00006  | -.00029 | -.01040 | .00147 | .00001  | -.00346 | .00514 |
| #2 | -.00004 | -.00022 | -.00112 | .00163 | .00021  | -.00406 | .00559 |
| #3 | -.00002 | -.00036 | -.01659 | .00160 | -.00004 | -.00440 | .00501 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00083 | -.13143 | .00029 | -.00180 | .01817 | .00031 | .00043 |
| Stddev | .00008 | .03184  | .00017 | .00057  | .00773 | .00063 | .00001 |
| %RSD   | 9.5290 | 24.229  | 60.298 | 31.570  | 42.520 | 203.73 | 2.8260 |

|    |        |         |        |         |        |         |        |
|----|--------|---------|--------|---------|--------|---------|--------|
| #1 | .00074 | -.09862 | .00011 | -.00119 | .01316 | .00095  | .00044 |
| #2 | .00088 | -.16221 | .00030 | -.00231 | .01429 | .00029  | .00042 |
| #3 | .00087 | -.13347 | .00045 | -.00192 | .02707 | -.00031 | .00044 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20561 | .00009 | .01537 | .00037 | .00297 | .00066 | .00728 |
| Stddev | .01394 | .00031 | .01010 | .00192 | .00252 | .00038 | .00588 |
| %RSD   | 6.7797 | 343.24 | 65.748 | 517.68 | 84.944 | 58.089 | 80.721 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .21224 | .00033  | .02068 | -.00101 | .00306 | .00094 | .00123 |
| #2 | .18959 | -.00026 | .02171 | .00257  | .00544 | .00082 | .00765 |
| #3 | .21499 | .00019  | .00372 | -.00045 | .00040 | .00022 | .01296 |

Sample Name: CCB16      Acquired: 3/29/2019 3:44:05      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14776      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |          |          |
|--------|--------|---------|---------|----------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670   | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm      | ppm      |
| Avg    | .00136 | F .0056 | -.00002 | F<.00000 | F<.00000 |
| Stddev | .00181 | .0010   | .00005  | .56458   | .93609   |
| %RSD   | 132.87 | 18.18   | 312.97  | 40.185   | 66.000   |

|    |         |       |         |         |         |
|----|---------|-------|---------|---------|---------|
| #1 | .00337  | .0045 | -.00008 | -1.5252 | -.42671 |
| #2 | .00089  | .0060 | .00003  | -1.8997 | -2.2867 |
| #3 | -.00016 | .0064 | -.00000 | -.78991 | -1.5416 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3689.6 | 42029. | 3197.8 | 45.267 | 4188.7 |
| Stddev    | 3.6    | 58.    | 4.0    | 1.884  | 5.7    |
| %RSD      | .09701 | .13794 | .12538 | 4.1616 | .13694 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3685.5 | 41962. | 3193.7 | 43.358 | 4191.8 |
| #2 | 3692.1 | 42062. | 3198.2 | 47.125 | 4192.2 |
| #3 | 3691.2 | 42063. | 3201.7 | 45.317 | 4182.1 |

Sample Name: K2110-02      Acquired: 3/29/2019 3:48:36      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BUR-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00041 | .00103 | -.00797 | .00888 | -.00152 | -.01185 | .15832 |
| Stddev | .00151  | .00055 | .00043  | .00289 | .00237  | .00868  | .00027 |
| %RSD   | 372.89  | 53.948 | 5.4500  | 32.592 | 155.27  | 73.286  | .17184 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | -.00057 | .00092 | -.00816 | .00587 | -.00367 | -.01336 | .15818 |
| #2 | .00118  | .00163 | -.00828 | .01164 | -.00191 | -.00251 | .15863 |
| #3 | -.00182 | .00054 | -.00748 | .00911 | .00101  | -.01968 | .15815 |

|        |         |         |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00082 | -.00110 | 8.2622 | .00101 | .00001 | .00809 | 12.648 |
| Stddev | .00012  | .00006  | .0263  | .00067 | .00008 | .00017 | .005   |
| %RSD   | 14.758  | 5.6328  | .31834 | 66.578 | 552.48 | 2.1547 | .03768 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00096 | -.00104 | 8.2341 | .00034 | .00006  | .00801 | 12.649 |
| #2 | -.00073 | -.00116 | 8.2863 | .00169 | .00007  | .00829 | 12.643 |
| #3 | -.00077 | -.00111 | 8.2663 | .00101 | -.00008 | .00797 | 12.652 |

|        |        |        |         |         |        |         |        |
|--------|--------|--------|---------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .19515 | 1.4424 | -.00032 | -.00366 | 3.8785 | -.00006 | .13338 |
| Stddev | .00175 | .0822  | .00041  | .00037  | .0278  | .00027  | .00107 |
| %RSD   | .89557 | 5.6957 | 126.77  | 10.175  | .71756 | 430.37  | .80237 |

|    |        |        |         |         |        |         |        |
|----|--------|--------|---------|---------|--------|---------|--------|
| #1 | .19618 | 1.5018 | -.00034 | -.00329 | 3.9042 | -.00023 | .13308 |
| #2 | .19313 | 1.4767 | -.00071 | -.00404 | 3.8489 | -.00020 | .13249 |
| #3 | .19613 | 1.3486 | .00010  | -.00366 | 3.8825 | .00025  | .13456 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.2578 | -.00046 | .06624 | .26684 | .17282 | -.00044 | .00884 |
| Stddev | .0113  | .00025  | .00691 | .00070 | .00655 | .00073  | .00285 |
| %RSD   | .89852 | 53.428  | 10.438 | .26417 | 3.7898 | 166.70  | 32.203 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 1.2471 | -.00021 | .06192 | .26647 | .16783 | -.00104 | .01136 |
| #2 | 1.2696 | -.00047 | .07421 | .26639 | .17039 | -.00065 | .00575 |
| #3 | 1.2566 | -.00070 | .06259 | .26765 | .18024 | .00038  | .00941 |

Sample Name: K2110-02      Acquired: 3/29/2019 3:48:36      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BUR-COMP      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |         |          |
|-----------|---------|--------|--------|---------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm     | ppm      |
| Avg       | .00132  | .0095  | .04196 | <.00000 | F<.00000 |
| Stddev    | .00243  | .0004  | .00035 | .43920  | 1.0136   |
| %RSD      | 184.42  | 4.138  | .84216 | 23.235  | 31.223   |
| #1        | -.00133 | .0099  | .04165 | -2.3562 | -2.4984  |
| #2        | .00184  | .0096  | .04235 | -1.4839 | -2.8406  |
| #3        | .00344  | .0091  | .04189 | -1.8306 | -4.3999  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3698.3  | 42322. | 3243.6 | 45.719  | 4161.0   |
| Stddev    | 15.4    | 82.    | 2.4    | .436    | 17.1     |
| %RSD      | .41550  | .19373 | .07488 | .95450  | .41143   |
| #1        | 3705.2  | 42251. | 3245.5 | 45.217  | 4167.8   |
| #2        | 3709.0  | 42411. | 3240.8 | 46.000  | 4173.7   |
| #3        | 3680.7  | 42303. | 3244.4 | 45.942  | 4141.5   |

Sample Name: K2124-02      Acquired: 3/29/2019 3:53:03      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-1      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00062 | .00055 | -.00483 | .00402 | .00005 | .01134 | .04582 |
| Stddev | .00120  | .00087 | .00109  | .00126 | .00080 | .01062 | .00032 |
| %RSD   | 193.56  | 158.17 | 22.578  | 31.243 | 1461.5 | 93.707 | .70813 |

|    |         |         |         |        |         |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|
| #1 | .00076  | .00146  | -.00365 | .00506 | -.00082 | .02340 | .04570 |
| #2 | -.00125 | .00047  | -.00505 | .00263 | .00025  | .00726 | .04618 |
| #3 | -.00137 | -.00028 | -.00580 | .00438 | .00074  | .00336 | .04556 |

|        |         |         |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00004 | -.00033 | 4.4748 | .00303 | .00019 | -.00275 | .13655 |
| Stddev | .00004  | .00005  | .0451  | .00012 | .00023 | .00027  | .00068 |
| %RSD   | 91.105  | 15.317  | 1.0067 | 3.8991 | 119.48 | 9.7502  | .49450 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00007 | -.00035 | 4.4611 | .00312 | -.00006 | -.00302 | .13656 |
| #2 | -.00006 | -.00036 | 4.4381 | .00290 | .00039  | -.00273 | .13587 |
| #3 | .00000  | -.00027 | 4.5251 | .00308 | .00024  | -.00249 | .13722 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02198 | .90383 | .00162 | -.00237 | 6.0414 | .00081 | .01706 |
| Stddev | .00013 | .08033 | .00059 | .00032  | .0847  | .00015 | .00035 |
| %RSD   | .58752 | 8.8872 | 36.599 | 13.422  | 1.4018 | 18.352 | 2.0260 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02192 | .82302 | .00141 | -.00274 | 5.9470 | .00098 | .01680 |
| #2 | .02189 | .98366 | .00117 | -.00217 | 6.0664 | .00071 | .01745 |
| #3 | .02213 | .90481 | .00229 | -.00221 | 6.1108 | .00074 | .01693 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .83073 | -.00023 | .04014 | .71878 | .71999 | -.00139 | .00975 |
| Stddev | .05737 | .00009  | .00167 | .00508 | .00589 | .00132  | .00096 |
| %RSD   | 6.9065 | 38.182  | 4.1684 | .70702 | .81812 | 95.218  | 9.8930 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | .88629 | -.00030 | .04205 | .71342 | .72628 | -.00114 | .00870 |
| #2 | .77170 | -.00027 | .03950 | .71940 | .71908 | -.00021 | .01060 |
| #3 | .83421 | -.00013 | .03889 | .72353 | .71461 | -.00281 | .00995 |

Sample Name: K2124-02      Acquired: 3/29/2019 3:53:03      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-1      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |         |          |
|--------|---------|--------|--------|---------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm      |
| Avg    | -.00134 | .0083  | .02789 | <.00000 | F<.00000 |
| Stddev | .00113  | .0013  | .00015 | .44639  | 1.2507   |
| %RSD   | 84.503  | 15.50  | .53584 | 20.898  | 112.66   |

|    |         |       |        |         |         |
|----|---------|-------|--------|---------|---------|
| #1 | -.00094 | .0086 | .02778 | -2.3253 | -2.3257 |
| #2 | -.00261 | .0068 | .02782 | -1.6262 | -1.1777 |
| #3 | -.00046 | .0093 | .02806 | -2.4567 | .17295  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3715.7 | 42379. | 3265.8 | 45.697 | 4203.3 |
| Stddev    | 1.3    | 437.   | 28.0   | 2.522  | 6.1    |
| %RSD      | .03595 | 1.0317 | .85764 | 5.5195 | .14538 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3717.2 | 42516. | 3245.1 | 42.942 | 4207.8 |
| #2 | 3715.4 | 41890. | 3254.6 | 47.892 | 4196.3 |
| #3 | 3714.6 | 42732. | 3297.7 | 46.258 | 4205.8 |

Sample Name: K2124-05      Acquired: 3/29/2019 3:57:34      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-2      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |        |         |         |        |        |
|--------|---------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00007 | .00010 | -.00555 | .00119 | -.00138 | -.00913 | .03740 | .00001 |
| Stddev | .00092  | .00008 | .00085  | .00155 | .00139  | .00734  | .00130 | .00006 |
| %RSD   | 1384.9  | 80.917 | 15.378  | 129.40 | 100.89  | 80.376  | 3.4655 | 870.69 |

|    |         |        |         |        |         |         |        |         |
|----|---------|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00007  | .00019 | -.00649 | .00019 | -.00155 | -.00957 | .03815 | -.00006 |
| #2 | .00078  | .00009 | -.00484 | .00042 | .00009  | -.00158 | .03815 | .00004  |
| #3 | -.00105 | .00003 | -.00530 | .00297 | -.00267 | -.01623 | .03591 | .00004  |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00032 | 4.7230 | .00277 | -.00012 | -.00560 | .00869 | .02303 | .89165 |
| Stddev | .00001  | .0080  | .00014 | .00023  | .00019  | .00123 | .00027 | .05106 |
| %RSD   | 3.4742  | .16872 | 4.9624 | 197.94  | 3.3859  | 14.152 | 1.1507 | 5.7260 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00033 | 4.7141 | .00293 | -.00026 | -.00581 | .00809 | .02328 | .92453 |
| #2 | -.00031 | 4.7258 | .00268 | -.00024 | -.00555 | .00787 | .02276 | .83283 |
| #3 | -.00031 | 4.7293 | .00271 | .00015  | -.00544 | .01010 | .02306 | .91759 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00158 | -.00250 | 2.8128 | .00042 | .01193 | .77871 | -.00029 | .02070 |
| Stddev | .00040 | .00103  | .0183  | .00027 | .00004 | .00584 | .00021  | .01873 |
| %RSD   | 25.076 | 40.950  | .65154 | 65.458 | .35105 | .75043 | 74.129  | 90.511 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00119 | -.00363 | 2.8145 | .00073 | .01196 | .78009 | -.00033 | .02316 |
| #2 | .00156 | -.00163 | 2.8301 | .00025 | .01188 | .78373 | -.00047 | .03808 |
| #3 | .00198 | -.00225 | 2.7936 | .00027 | .01194 | .77229 | -.00005 | .00085 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.2855 | .48597 | -.00339 | .00904 | -.00413 | .0088  | .02558 | <.00000 |
| Stddev | .0056  | .00480 | .00038  | .00130 | .00063  | .0022  | .00038 | .23179  |
| %RSD   | .43155 | .98704 | 11.286  | 14.423 | 15.246  | 25.42  | 1.4777 | 12.041  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 1.2856 | .49147 | -.00348 | .00955 | -.00374 | .0113 | .02516 | -2.0886 |
| #2 | 1.2799 | .48380 | -.00297 | .00755 | -.00486 | .0071 | .02588 | -1.6598 |
| #3 | 1.2910 | .48265 | -.00372 | .01000 | -.00379 | .0079 | .02570 | -2.0266 |



Sample Name: K2124-05      Acquired: 3/29/2019 3:57:34      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-2      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .40786  
 %RSD      78.536

#1      -.89523  
 #2      -.57708  
 #3      -.08567

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3766.5 | 42721. | 3287.4 | 47.075 | 4324.0 |
| Stddev    | 3.2    | 146.   | 12.9   | 1.519  | 11.9   |
| %RSD      | .08499 | .34274 | .39184 | 3.2264 | .27460 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3762.8 | 42561. | 3281.2 | 45.325 | 4315.9 |
| #2 | 3767.8 | 42848. | 3302.2 | 47.850 | 4337.6 |
| #3 | 3768.8 | 42753. | 3278.9 | 48.050 | 4318.4 |

Sample Name: K2124-05DUP      Acquired: 3/29/2019 4:02:04      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2DUP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |        |         |         |        |         |
|--------|---------|---------|---------|--------|---------|---------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00102 | -.00036 | -.00518 | .00072 | -.00039 | -.00271 | .03853 | -.00002 |
| Stddev | .00062  | .00066  | .00072  | .00074 | .00209  | .00958  | .00062 | .00002  |
| %RSD   | 60.544  | 184.34  | 13.956  | 102.36 | 538.80  | 353.96  | 1.6074 | 118.23  |

|    |         |         |         |        |         |         |        |         |
|----|---------|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00141 | -.00062 | -.00447 | .00156 | .00089  | .00756  | .03920 | .00000  |
| #2 | -.00135 | .00039  | -.00514 | .00016 | -.00280 | -.00428 | .03798 | -.00002 |
| #3 | -.00031 | -.00085 | -.00592 | .00044 | .00075  | -.01140 | .03842 | -.00004 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00036 | 4.8363 | .00216 | .00001 | -.00584 | .00946 | .02363 | .84617 |
| Stddev | .00008  | .0030  | .00037 | .00003 | .00058  | .00104 | .00018 | .06658 |
| %RSD   | 23.170  | .06227 | 17.000 | 279.48 | 9.9066  | 10.994 | .75993 | 7.8679 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00042 | 4.8335 | .00174 | .00000  | -.00560 | .01066 | .02381 | .92029 |
| #2 | -.00026 | 4.8359 | .00238 | -.00001 | -.00650 | .00883 | .02346 | .82677 |
| #3 | -.00039 | 4.8395 | .00236 | .00005  | -.00542 | .00889 | .02361 | .79145 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00085 | -.00277 | 2.8576 | .00056 | .01247 | .77499 | -.00013 | .02796 |
| Stddev | .00056 | .00009  | .0197  | .00040 | .00007 | .05177 | .00018  | .02621 |
| %RSD   | 65.925 | 3.3381  | .68836 | 70.985 | .57220 | 6.6803 | 141.57  | 93.736 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00042 | -.00266 | 2.8737 | .00102 | .01255 | .82471 | .00006  | .01767 |
| #2 | .00148 | -.00283 | 2.8357 | .00029 | .01241 | .77887 | -.00030 | .00846 |
| #3 | .00064 | -.00281 | 2.8634 | .00038 | .01246 | .72139 | -.00015 | .05775 |

|        |        |        |         |        |         |        |        |         |
|--------|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.3302 | .49442 | -.00365 | .01405 | -.00432 | .0080  | .02606 | <.00000 |
| Stddev | .0103  | .00523 | .00073  | .00244 | .00115  | .0010  | .00015 | .10156  |
| %RSD   | .77560 | 1.0577 | 20.083  | 17.375 | 26.526  | 12.02  | .59392 | 6.7088  |

|    |        |        |         |        |         |       |        |         |
|----|--------|--------|---------|--------|---------|-------|--------|---------|
| #1 | 1.3418 | .49705 | -.00298 | .01123 | -.00316 | .0075 | .02618 | -1.6021 |
| #2 | 1.3221 | .49782 | -.00352 | .01548 | -.00436 | .0074 | .02611 | -1.4029 |
| #3 | 1.3266 | .48840 | -.00443 | .01544 | -.00545 | .0091 | .02588 | -1.5366 |

Sample Name: K2124-05DUP      Acquired: 3/29/2019 4:02:04      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-2DUP      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .75247  |
| %RSD   | 117.39  |

|    |         |
|----|---------|
| #1 | -1.4894 |
| #2 | -.05429 |
| #3 | -.37928 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3695.2 | 42075. | 3222.2 | 46.531 | 4244.1 |
| Stddev    | 9.1    | 160.   | 20.3   | .567   | 9.3    |
| %RSD      | .24566 | .37940 | .63108 | 1.2176 | .21858 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3692.5 | 41892. | 3224.3 | 45.917 | 4240.8 |
| #2 | 3705.3 | 42147. | 3200.9 | 47.033 | 4254.5 |
| #3 | 3687.8 | 42186. | 3241.4 | 46.642 | 4236.9 |

Sample Name: K2124-05LX5      Acquired: 3/29/2019 4:06:35      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8086      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00049 | .00123 | -.00472 | .00275 | -.00130 | -.01635 | .00800 |
| Stddev | .00149 | .00113 | .00006  | .00298 | .00143  | .00819  | .00091 |
| %RSD   | 301.64 | 91.701 | 1.2885  | 108.33 | 109.67  | 50.124  | 11.341 |

|    |         |        |         |        |         |         |        |
|----|---------|--------|---------|--------|---------|---------|--------|
| #1 | .00062  | .00016 | -.00474 | .00060 | -.00071 | -.01712 | .00754 |
| #2 | .00192  | .00112 | -.00477 | .00150 | -.00293 | -.00780 | .00741 |
| #3 | -.00105 | .00240 | -.00466 | .00616 | -.00027 | -.02413 | .00904 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00006 | -.00033 | .99659 | .00175 | -.00017 | -.00462 | .00207 |
| Stddev | .00006 | .00005  | .01815 | .00049 | .00018  | .00013  | .00146 |
| %RSD   | 89.173 | 13.945  | 1.8216 | 27.776 | 102.69  | 2.8021  | 70.587 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .00002 | -.00034 | .98105 | .00129 | .00002  | -.00447 | .00038 |
| #2 | .00013 | -.00028 | .99217 | .00171 | -.00033 | -.00468 | .00294 |
| #3 | .00004 | -.00037 | 1.0165 | .00226 | -.00021 | -.00470 | .00289 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00517 | .12640 | .00072 | -.00250 | .55927 | .00029 | .00462 |
| Stddev | .00008 | .02425 | .00024 | .00057  | .01046 | .00033 | .00003 |
| %RSD   | 1.5138 | 19.184 | 33.105 | 22.931  | 1.8698 | 113.03 | .54737 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00520 | .15348 | .00046 | -.00290 | .54868 | .00067 | .00463 |
| #2 | .00522 | .11902 | .00092 | -.00184 | .56959 | .00005 | .00460 |
| #3 | .00508 | .10670 | .00079 | -.00275 | .55954 | .00015 | .00465 |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .25155 | -.00047 | .00714 | .28650 | .10225 | -.00218 | .00958 |
| Stddev | .02195 | .00011  | .02184 | .00220 | .00153 | .00087  | .00274 |
| %RSD   | 8.7276 | 22.561  | 305.96 | .76925 | 1.4936 | 39.784  | 28.609 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .23906 | -.00035 | -.00300 | .28904 | .10282 | -.00234 | .00994 |
| #2 | .27689 | -.00051 | .03221  | .28508 | .10341 | -.00124 | .01212 |
| #3 | .23868 | -.00054 | -.00779 | .28539 | .10052 | -.00296 | .00668 |

Sample Name: K2124-05LX5      Acquired: 3/29/2019 4:06:35      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB8086      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |         |          |
|-----------|---------|--------|--------|---------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm     | ppm      |
| Avg       | -.00040 | .0064  | .00539 | <.00000 | F<.00000 |
| Stddev    | .00183  | .0004  | .00010 | .36305  | .64625   |
| %RSD      | 461.85  | 6.158  | 1.8936 | 35.597  | 55.786   |
| #1        | -.00094 | .0059  | .00548 | -1.3976 | -1.8399  |
| #2        | -.00189 | .0065  | .00528 | -.98864 | -.55431  |
| #3        | .00164  | .0066  | .00539 | -.67349 | -1.0812  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3720.4  | 41985. | 3208.9 | 45.664  | 4212.0   |
| Stddev    | 3.8     | 88.    | 7.5    | .871    | 5.6      |
| %RSD      | .10113  | .21061 | .23396 | 1.9064  | .13271   |
| #1        | 3722.3  | 41937. | 3209.8 | 45.800  | 4216.2   |
| #2        | 3716.1  | 42087. | 3201.0 | 44.733  | 4214.1   |
| #3        | 3722.8  | 41932. | 3215.9 | 46.458  | 4205.7   |

Sample Name: K2124-05MS      Acquired: 3/29/2019 4:11:06      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .73144 | 1.8937 | .86966 | 1.8941 | .74428 | 1.8236 | .22749 |
| Stddev | .00083 | .0025  | .00160 | .0087  | .00190 | .0228  | .00404 |
| %RSD   | .11396 | .13283 | .18369 | .45775 | .25468 | 1.2507 | 1.7744 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73077 | 1.8912 | .86810 | 1.8928 | .74435 | 1.8472 | .22960 |
| #2 | .73237 | 1.8962 | .87129 | 1.9033 | .74235 | 1.8017 | .22284 |
| #3 | .73117 | 1.8936 | .86957 | 1.8861 | .74614 | 1.8218 | .23004 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18751 | .17858 | 6.2047 | .42996 | .18928 | .28811 | 3.2360 |
| Stddev | .00050 | .00123 | .0348  | .00138 | .00068 | .00044 | .0159  |
| %RSD   | .26755 | .68788 | .56037 | .32049 | .35753 | .15233 | .49092 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18704 | .17722 | 6.1646 | .42943 | .18853 | .28760 | 3.2330 |
| #2 | .18745 | .17962 | 6.2255 | .42892 | .18945 | .28841 | 3.2218 |
| #3 | .18804 | .17891 | 6.2241 | .43152 | .18985 | .28831 | 3.2531 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22504 | 2.8542 | .47456 | .06765 | 5.9554 | .30583 | .19383 |
| Stddev | .00066 | .1040  | .00234 | .00103 | .0839  | .00254 | .00046 |
| %RSD   | .29133 | 3.6426 | .49365 | 1.5223 | 1.4091 | .83039 | .23912 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22454 | 2.9027 | .47208 | .06651 | 6.0168 | .30456 | .19342 |
| #2 | .22480 | 2.7348 | .47674 | .06794 | 5.8598 | .30417 | .19433 |
| #3 | .22578 | 2.9251 | .47485 | .06850 | 5.9895 | .30875 | .19373 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.276 | .38307 | .28871 | 1.4004 | 1.4290 | .63244 | .20356 |
| Stddev | .062   | .00053 | .01724 | .0081  | .0270  | .00089 | .00257 |
| %RSD   | .60707 | .13734 | 5.9721 | .57993 | 1.8865 | .14041 | 1.2622 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.346 | .38250 | .30334 | 1.4093 | 1.4052 | .63238 | .20176 |
| #2 | 10.228 | .38316 | .26970 | 1.3986 | 1.4582 | .63158 | .20242 |
| #3 | 10.254 | .38354 | .29309 | 1.3934 | 1.4235 | .63335 | .20650 |

Sample Name: K2124-05MS      Acquired: 3/29/2019 4:11:06      Type: Unk  
 Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SAMPLE-2MS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .19291 | 5.079  | .21546 | <.00000 | F<.00000 |
| Stddev    | .00161 | .021   | .00098 | .68924  | .49840   |
| %RSD      | .83665 | .4080  | .45405 | 35.111  | 5.7419   |
| #1        | .19116 | 5.061  | .21433 | -1.6147 | -8.1069  |
| #2        | .19323 | 5.102  | .21599 | -2.7569 | -9.0108  |
| #3        | .19434 | 5.074  | .21605 | -1.5175 | -8.9227  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3736.9 | 42847. | 3264.4 | 48.147  | 4252.3   |
| Stddev    | 2.9    | 293.   | 36.7   | 1.117   | 6.7      |
| %RSD      | .07636 | .68417 | 1.1231 | 2.3193  | .15722   |
| #1        | 3738.0 | 42901. | 3305.6 | 49.267  | 4259.8   |
| #2        | 3733.6 | 43110. | 3235.4 | 47.033  | 4249.9   |
| #3        | 3739.0 | 42531. | 3252.1 | 48.142  | 4247.1   |

Sample Name: K2124-05MSD      Acquired: 3/29/2019 4:15:16      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72383 | 1.8861 | .85992 | 1.8932 | .74169 | 1.7947 | .22507 |
| Stddev | .00188 | .0110  | .00409 | .0112  | .00360 | .0139  | .00141 |
| %RSD   | .25946 | .58137 | .47513 | .58871 | .48575 | .77673 | .62835 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72482 | 1.8766 | .85573 | 1.8823 | .73814 | 1.7912 | .22564 |
| #2 | .72166 | 1.8981 | .86389 | 1.9045 | .74534 | 1.7829 | .22346 |
| #3 | .72500 | 1.8836 | .86013 | 1.8927 | .74159 | 1.8101 | .22611 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18634 | .17858 | 6.2142 | .42497 | .18832 | .28627 | 3.2161 |
| Stddev | .00040 | .00087 | .0639  | .00275 | .00100 | .00163 | .0127  |
| %RSD   | .21449 | .48516 | 1.0288 | .64815 | .53127 | .57036 | .39556 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18597 | .17758 | 6.1404 | .42182 | .18789 | .28538 | 3.2015 |
| #2 | .18677 | .17909 | 6.2502 | .42688 | .18947 | .28815 | 3.2223 |
| #3 | .18627 | .17907 | 6.2521 | .42622 | .18762 | .28527 | 3.2245 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22334 | 2.7683 | .47151 | .06855 | 5.8972 | .30625 | .19293 |
| Stddev | .00043 | .0956  | .00253 | .00050 | .0508  | .00059 | .00099 |
| %RSD   | .19287 | 3.4522 | .53622 | .72598 | .86177 | .19203 | .51108 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22296 | 2.8711 | .46947 | .06910 | 5.9329 | .30606 | .19226 |
| #2 | .22381 | 2.7514 | .47434 | .06843 | 5.8390 | .30691 | .19407 |
| #3 | .22326 | 2.6822 | .47073 | .06812 | 5.9198 | .30578 | .19247 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.118 | .38099 | .29325 | 1.3957 | 1.4323 | .62621 | .20259 |
| Stddev | .053   | .00150 | .00887 | .0063  | .0200  | .00339 | .00123 |
| %RSD   | .52384 | .39429 | 3.0249 | .44892 | 1.3978 | .54145 | .60897 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.122 | .37932 | .28474 | 1.3893 | 1.4246 | .62261 | .20127 |
| #2 | 10.062 | .38223 | .29256 | 1.4018 | 1.4550 | .62667 | .20372 |
| #3 | 10.168 | .38141 | .30244 | 1.3961 | 1.4173 | .62935 | .20277 |



Sample Name: K2124-05MSD      Acquired: 3/29/2019 4:15:16      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SAMPLE-2MSD      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .19156 | 5.063  | .21409 | <.00000 | F<.00000 |
| Stddev    | .00024 | .022   | .00029 | .65106  | 1.6268   |
| %RSD      | .12734 | .4325  | .13566 | 31.083  | 19.829   |
| #1        | .19128 | 5.038  | .21384 | -1.8859 | -6.7146  |
| #2        | .19163 | 5.077  | .21402 | -2.8244 | -9.9399  |
| #3        | .19176 | 5.073  | .21441 | -1.5735 | -7.9571  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3754.1 | 42922. | 3242.6 | 46.858  | 4273.6   |
| Stddev    | 5.1    | 74.    | 16.8   | 2.405   | 1.4      |
| %RSD      | .13543 | .17127 | .51826 | 5.1331  | .03309   |
| #1        | 3755.0 | 42945. | 3260.5 | 46.450  | 4274.4   |
| #2        | 3748.7 | 42981. | 3227.2 | 49.442  | 4272.0   |
| #3        | 3758.7 | 42840. | 3240.0 | 44.683  | 4274.4   |

Sample Name: K2124-05A      Acquired: 3/29/2019 4:19:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72244 | 1.8663 | .85485 | 1.8812 | .73966 | 1.7910 | .22523 |
| Stddev | .00148 | .0047  | .00290 | .0124  | .00252 | .0191  | .00199 |
| %RSD   | .20518 | .25115 | .33970 | .65851 | .34053 | 1.0643 | .88289 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72153 | 1.8609 | .85197 | 1.8697 | .73688 | 1.7825 | .22391 |
| #2 | .72164 | 1.8690 | .85479 | 1.8796 | .74033 | 1.7776 | .22426 |
| #3 | .72415 | 1.8690 | .85778 | 1.8943 | .74178 | 1.8128 | .22752 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18486 | .17725 | 6.1454 | .42397 | .18642 | .28358 | 3.2034 |
| Stddev | .00026 | .00079 | .0250  | .00179 | .00073 | .00133 | .0095  |
| %RSD   | .14163 | .44413 | .40769 | .42260 | .38894 | .46926 | .29495 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18460 | .17648 | 6.1451 | .42260 | .18559 | .28212 | 3.2125 |
| #2 | .18486 | .17805 | 6.1206 | .42600 | .18678 | .28388 | 3.2041 |
| #3 | .18513 | .17721 | 6.1707 | .42332 | .18691 | .28473 | 3.1937 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22161 | 2.8025 | .46705 | .06702 | 5.9234 | .30293 | .18926 |
| Stddev | .00081 | .0249  | .00143 | .00083 | .0415  | .00408 | .00044 |
| %RSD   | .36492 | .88676 | .30655 | 1.2351 | .70064 | 1.3454 | .23487 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22104 | 2.7846 | .46547 | .06790 | 5.8842 | .30750 | .18890 |
| #2 | .22125 | 2.7921 | .46742 | .06688 | 5.9190 | .29967 | .18976 |
| #3 | .22254 | 2.8309 | .46826 | .06627 | 5.9669 | .30161 | .18912 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.128 | .37823 | .28741 | 1.3891 | 1.4141 | .62276 | .20641 |
| Stddev | .104   | .00143 | .02789 | .0053  | .0217  | .00227 | .00128 |
| %RSD   | 1.0240 | .37867 | 9.7051 | .38173 | 1.5342 | .36410 | .62120 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.021 | .37658 | .30586 | 1.3875 | 1.4323 | .62014 | .20787 |
| #2 | 10.134 | .37916 | .30105 | 1.3848 | 1.4198 | .62400 | .20548 |
| #3 | 10.229 | .37894 | .25532 | 1.3950 | 1.3901 | .62413 | .20589 |

Sample Name: K2124-05A      Acquired: 3/29/2019 4:19:28      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .19035 | 5.023  | .21306 | <.00000 | F<.00000 |
| Stddev    | .00152 | .016   | .00164 | .42952  | .76166   |
| %RSD      | .79935 | .3156  | .76846 | 18.979  | 7.9704   |
| #1        | .19181 | 5.009  | .21379 | -2.6304 | -8.8002  |
| #2        | .18877 | 5.021  | .21119 | -2.3681 | -10.323  |
| #3        | .19048 | 5.040  | .21421 | -1.7908 | -9.5448  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3767.7 | 43093. | 3283.6 | 46.828  | 4292.2   |
| Stddev    | 2.2    | 21.    | 23.8   | .891    | 3.8      |
| %RSD      | .05714 | .04846 | .72594 | 1.9035  | .08963   |
| #1        | 3769.6 | 43111. | 3256.5 | 45.817  | 4293.3   |
| #2        | 3768.1 | 43098. | 3292.9 | 47.500  | 4288.0   |
| #3        | 3765.3 | 43070. | 3301.3 | 47.167  | 4295.4   |

Sample Name: CCV17      Acquired: 3/29/2019 4:23:38      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |        |          |          |          |
|--------|--------|--------|----------|--------|--------|----------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961   | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 4.6290 | 4.7665 | F 4.4015 | 4.8834 | 4.6394 | F 8.8822 | F 8.9208 | .23510   |
| Stddev | .0144  | .0305  | .0147    | .0154  | .0030  | .0430    | .0087    | .00016   |
| %RSD   | .31017 | .64051 | .33394   | .31533 | .06389 | .48375   | .09784   | .06913   |
| #1     | 4.6380 | 4.7673 | 4.3917   | 4.8986 | 4.6429 | 8.8698   | 8.9219   | .23522   |
| #2     | 4.6124 | 4.7355 | 4.3944   | 4.8678 | 4.6377 | 8.8468   | 8.9289   | .23515   |
| #3     | 4.6366 | 4.7965 | 4.4184   | 4.8837 | 4.6377 | 8.9300   | 8.9115   | .23491   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404   | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 2.3129 | 24.651 | .99798   | 2.3125 | 1.1363 | 5.0418   | 2.3478   | 22.921   |
| Stddev | .0060  | .153   | .00063   | .0047  | .0021  | .0132    | .0036    | .163     |
| %RSD   | .26054 | .62095 | .06303   | .20324 | .18126 | .26236   | .15168   | .71235   |
| #1     | 2.3077 | 24.478 | .99774   | 2.3097 | 1.1379 | 5.0269   | 2.3437   | 22.839   |
| #2     | 2.3115 | 24.767 | .99751   | 2.3098 | 1.1340 | 5.0519   | 2.3498   | 22.815   |
| #3     | 2.3195 | 24.710 | .99870   | 2.3179 | 1.1370 | 5.0467   | 2.3499   | 23.109   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664   | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 2.3226 | 1.1879 | 23.014   | 2.3723 | 2.2810 | 22.815   | 4.6287   | 4.7196   |
| Stddev | .0017  | .0079  | .007     | .0048  | .0052  | .067     | .0063    | .0240    |
| %RSD   | .07390 | .66220 | .02933   | .20288 | .22658 | .29253   | .13571   | .50918   |
| #1     | 2.3209 | 1.1795 | 23.009   | 2.3677 | 2.2810 | 22.739   | 4.6336   | 4.6980   |
| #2     | 2.3226 | 1.1951 | 23.012   | 2.3773 | 2.2758 | 22.842   | 4.6216   | 4.7455   |
| #3     | 2.3243 | 1.1890 | 23.022   | 2.3721 | 2.2861 | 22.865   | 4.6308   | 4.7152   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774   | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      | ppm      | ppm      |
| Avg    | 4.5551 | 4.9857 | 4.6703   | 4.9211 | 4.7751 | 4.757    | 4.7179   | F .97477 |
| Stddev | .0227  | .0368  | .0200    | .0241  | .0273  | .025     | .0221    | .41036   |
| %RSD   | .49837 | .73803 | .42793   | .48963 | .57182 | .5267    | .46736   | 42.099   |
| #1     | 4.5585 | 4.9498 | 4.6608   | 4.8941 | 4.7443 | 4.766    | 4.6997   | .77928   |
| #2     | 4.5309 | 5.0233 | 4.6568   | 4.9406 | 4.7963 | 4.729    | 4.7424   | 1.4463   |
| #3     | 4.5759 | 4.9841 | 4.6932   | 4.9284 | 4.7847 | 4.777    | 4.7116   | .69869   |

Sample Name: CCV17      Acquired: 3/29/2019 4:23:38      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.1958  
Stddev      .8672  
%RSD      72.523

#1      1.3174  
#2      1.9958  
#3      .27419

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3589.4 | 40810. | 3163.1 | 43.225 | 3810.6 |
| Stddev    | 1.7    | 58.    | 18.2   | .443   | 6.4    |
| %RSD      | .04771 | .14164 | .57493 | 1.0258 | .16756 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3588.1 | 40808. | 3180.5 | 43.690 | 3815.7 |
| #2 | 3591.3 | 40753. | 3144.2 | 43.178 | 3812.6 |
| #3 | 3588.7 | 40868. | 3164.4 | 42.807 | 3803.4 |

Sample Name: CCB17      Acquired: 3/29/2019 4:27:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |        |         |        |
|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00291 | .00203 | -.00381 | .00345 | .00023 | -.02267 | .00065 |
| Stddev | .00144 | .00136 | .00019  | .00060 | .00042 | .00731  | .00092 |
| %RSD   | 49.308 | 67.229 | 4.9697  | 17.440 | 181.48 | 32.267  | 140.94 |

|    |        |        |         |        |         |         |         |
|----|--------|--------|---------|--------|---------|---------|---------|
| #1 | .00379 | .00069 | -.00360 | .00386 | .00015  | -.01893 | -.00019 |
| #2 | .00126 | .00198 | -.00394 | .00373 | .00069  | -.01798 | .00051  |
| #3 | .00370 | .00342 | -.00390 | .00276 | -.00014 | -.03110 | .00164  |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00006 | -.00029 | -.00234 | .00130 | .00006 | -.00407 | .00530 |
| Stddev | .00006 | .00006  | .03588  | .00006 | .00015 | .00037  | .00073 |
| %RSD   | 90.645 | 20.762  | 1535.1  | 4.5276 | 265.77 | 9.1909  | 13.774 |

|    |        |         |         |        |         |         |        |
|----|--------|---------|---------|--------|---------|---------|--------|
| #1 | .00012 | -.00035 | .03909  | .00123 | -.00011 | -.00417 | .00448 |
| #2 | .00006 | -.00024 | -.02243 | .00134 | .00009  | -.00438 | .00558 |
| #3 | .00001 | -.00027 | -.02367 | .00133 | .00018  | -.00365 | .00586 |

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00068 | -.10473 | .00025 | -.00189 | -.01192 | .00037 | .00047 |
| Stddev | .00006 | .12545  | .00010 | .00040  | .01171  | .00032 | .00012 |
| %RSD   | 8.4416 | 119.79  | 38.618 | 21.069  | 98.183  | 85.943 | 25.007 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00066 | -.23518 | .00031 | -.00192 | -.00416 | .00002 | .00051 |
| #2 | .00063 | -.09406 | .00014 | -.00147 | -.02539 | .00064 | .00056 |
| #3 | .00074 | .01505  | .00031 | -.00226 | -.00622 | .00046 | .00034 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .19857 | .00007 | .01246 | -.00354 | .00380 | .00175 | .00953 |
| Stddev | .04087 | .00029 | .00279 | .00267  | .00216 | .00146 | .00267 |
| %RSD   | 20.585 | 397.75 | 22.374 | 75.342  | 56.751 | 83.292 | 28.003 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .24363 | .00035  | .01015 | -.00261 | .00131 | .00330 | .01254 |
| #2 | .18818 | .00010  | .01167 | -.00655 | .00493 | .00154 | .00746 |
| #3 | .16389 | -.00023 | .01555 | -.00146 | .00515 | .00041 | .00859 |

Sample Name: CCB17      Acquired: 3/29/2019 4:27:39      Type: Unk  
Method: P4-ICP2(v2995)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |          |          |
|-----------|--------|---------|---------|----------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670   | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm      | ppm      |
| Avg       | .00260 | F .0063 | -.00008 | F<.00000 | F<.00000 |
| Stddev    | .00209 | .0009   | .00012  | .51331   | .83447   |
| %RSD      | 80.146 | 14.13   | 140.69  | 112.12   | 77.265   |
| #1        | .00291 | .0053   | -.00011 | .12235   | -1.0665  |
| #2        | .00038 | .0069   | -.00019 | -.85300  | -.25238  |
| #3        | .00452 | .0068   | .00004  | -.64279  | -1.9212  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3638.5 | 41039.  | 3120.5  | 45.042   | 4131.6   |
| Stddev    | 5.3    | 123.    | 19.9    | .265     | 9.8      |
| %RSD      | .14465 | .29940  | .63614  | .58740   | .23604   |
| #1        | 3636.3 | 40897.  | 3106.6  | 44.842   | 4122.4   |
| #2        | 3634.8 | 41107.  | 3111.7  | 45.342   | 4130.7   |
| #3        | 3644.5 | 41113.  | 3143.3  | 44.942   | 4141.8   |