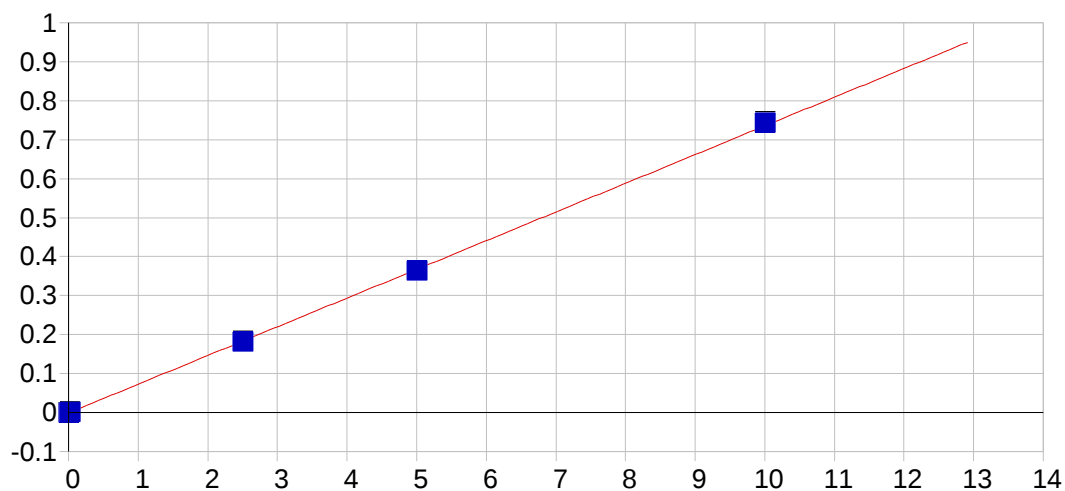


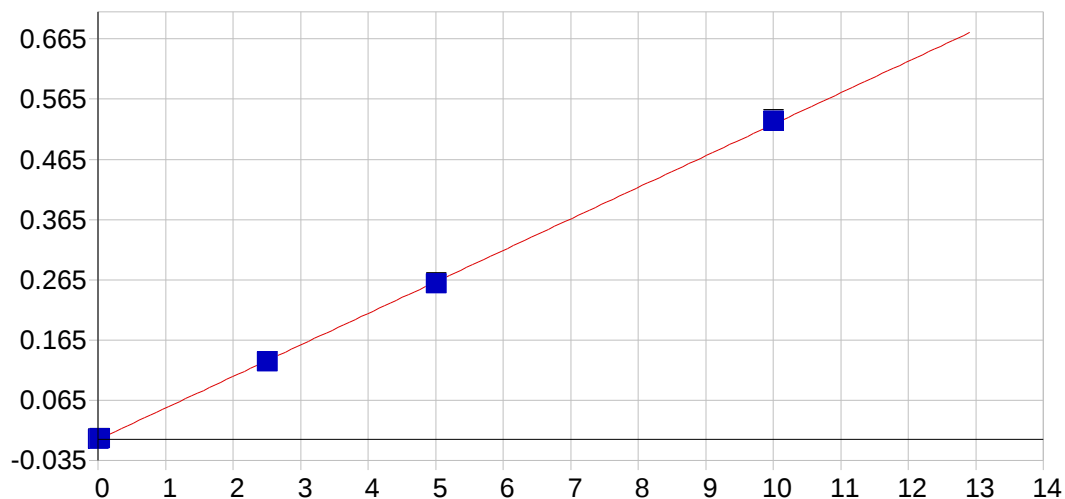


As 189.042 {478}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000876 Re-Slope: 1.000000  
 A1 (Gain): 0.073628 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999926 Status: OK.  
 Std Error of Est: 0.000022  
 Predicted MDL: 0.002976  
 Predicted MQL: 0.009920

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00088 | .000    | 1        |
| S1        | .02000       | .02306      | .003       | 15.3    | .00082  | .000    | 1        |
| S3        | 2.5000       | 2.4645      | -.036      | -1.42   | .18057  | .001    | 1        |
| S4        | 5.0000       | 4.9387      | -.061      | -1.23   | .36273  | .001    | 1        |
| S5        | 10.000       | 10.094      | .094       | .938    | .74227  | .003    | 1        |



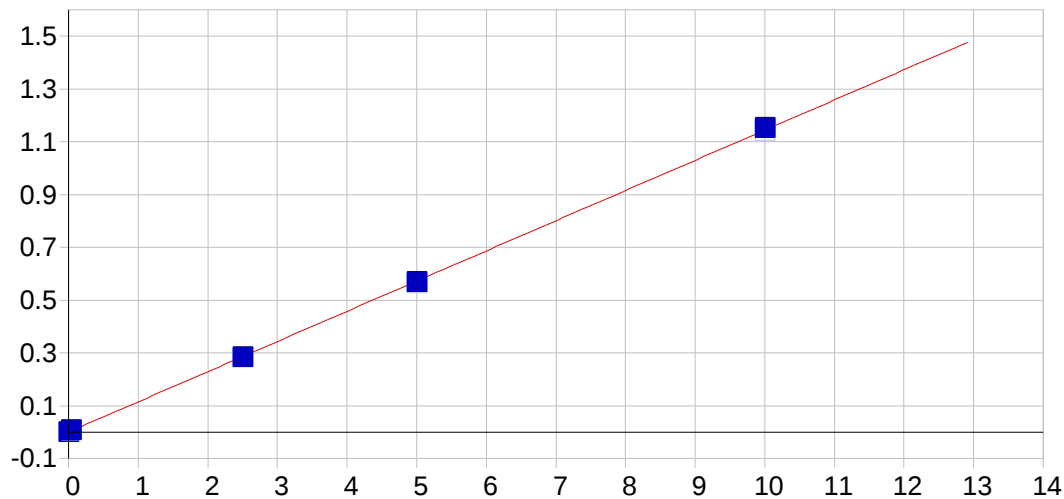
As 189.042 {479}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000297 Re-Slope: 1.000000

A1 (Gain): 0.052341 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999928 Status: OK.  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.002711  
 Predicted MQL: 0.009037

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00030 | .000    | 1        |
| S1        | .02000       | .02266      | .003       | 13.3    | .00089  | .000    | 1        |
| S3        | 2.5000       | 2.4608      | -.039      | -1.57   | .12851  | .000    | 1        |
| S4        | 5.0000       | 4.9421      | -.058      | -1.16   | .25838  | .001    | 1        |
| S5        | 10.000       | 10.094      | .094       | .945    | .52807  | .002    | 1        |

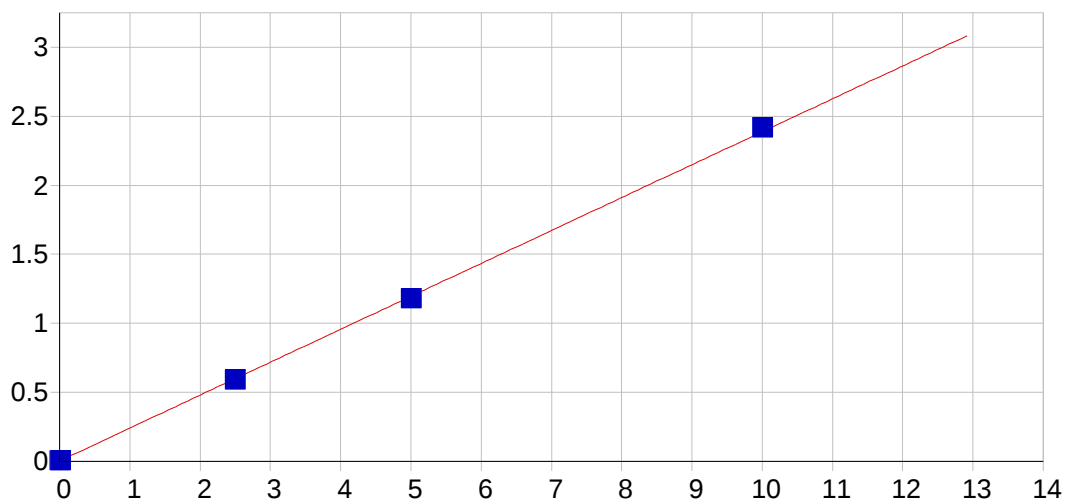


TI 190.856 {477}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000059 Re-Slope: 1.000000  
 A1 (Gain): 0.114411 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999926 Status: OK.  
 Std Error of Est: 0.000047  
 Predicted MDL: 0.001561  
 Predicted MQL: 0.005204

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00006 | .000    | 1        |
| S1        | .04000       | .04757      | .008       | 18.9    | .00538 | .000    | 1        |
| S3        | 2.5000       | 2.4730      | -.027      | -1.08   | .28006 | .000    | 1        |
| S4        | 5.0000       | 4.9550      | -.045      | -.899   | .56110 | .002    | 1        |
| S5        | 10.000       | 10.065      | .065       | .645    | 1.1398 | .003    | 1        |

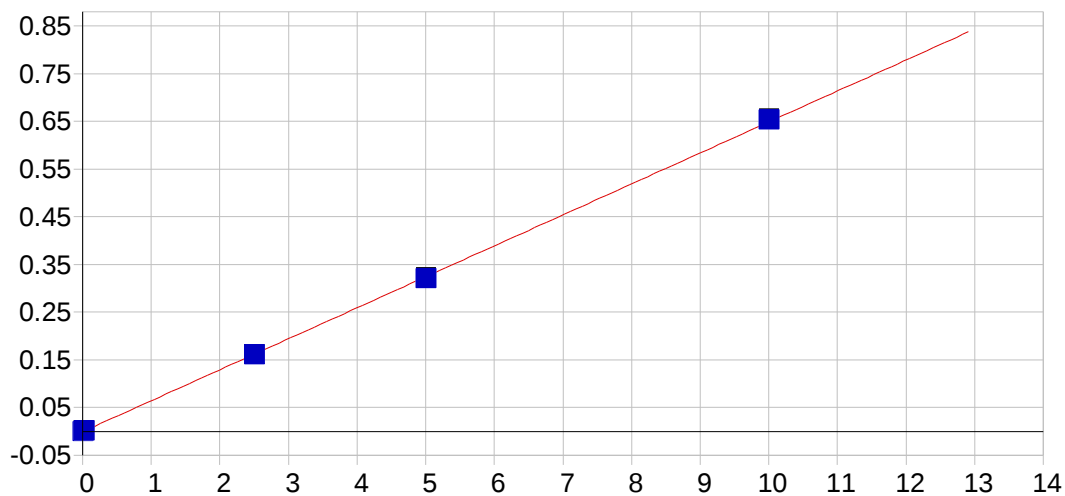


Pb 220.353 {453}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003033 Re-Slope: 1.000000  
 A1 (Gain): 0.238481 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999902 Status: OK.  
 Std Error of Est: 0.000062  
 Predicted MDL: 0.001137  
 Predicted MQL: 0.003789

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00303 | .000    | 1        |
| S1        | .01200       | .01441      | .002       | 20.1    | .00642 | .000    | 1        |
| S3        | 2.5000       | 2.4601      | -.040      | -1.60   | .58897 | .001    | 1        |
| S4        | 5.0000       | 4.9266      | -.073      | -1.47   | 1.1764 | .000    | 1        |
| S5        | 10.000       | 10.111      | .111       | 1.11    | 2.4113 | .003    | 1        |



Se 196.090 {472}

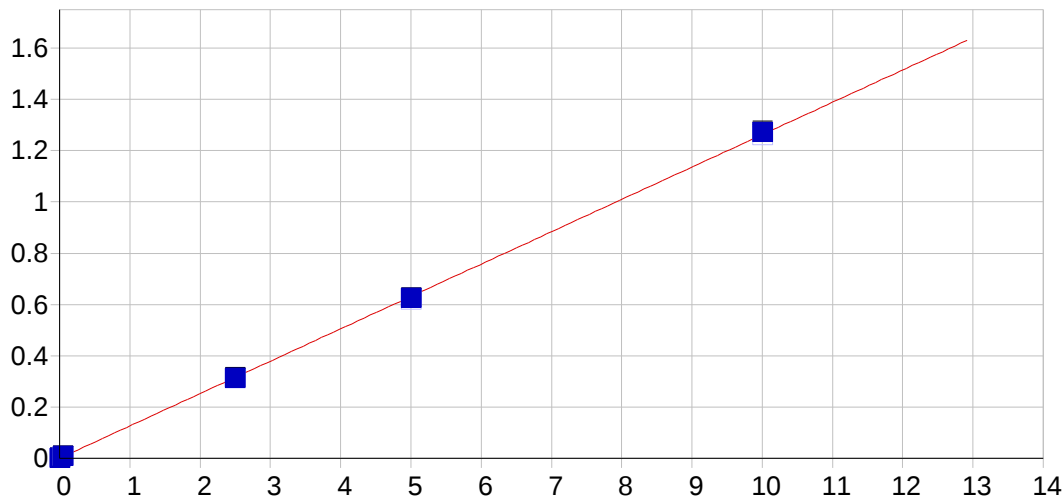
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000421 Re-Slope: 1.000000  
 A1 (Gain): 0.064933 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956  
 Std Error of Est: 0.000015  
 Predicted MDL: 0.003159  
 Predicted MQL: 0.010530

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00042 | .000    | 1        |
| S1        | .02000       | .02262      | .003       | 13.1    | .00105  | .000    | 1        |
| S3        | 2.5000       | 2.4856      | -.014      | -.575   | .16096  | .000    | 1        |
| S4        | 5.0000       | 4.9433      | -.057      | -1.13   | .32052  | .001    | 1        |
| S5        | 10.000       | 10.068      | .068       | .685    | .65328  | .001    | 1        |



Sb 206.833 {463}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

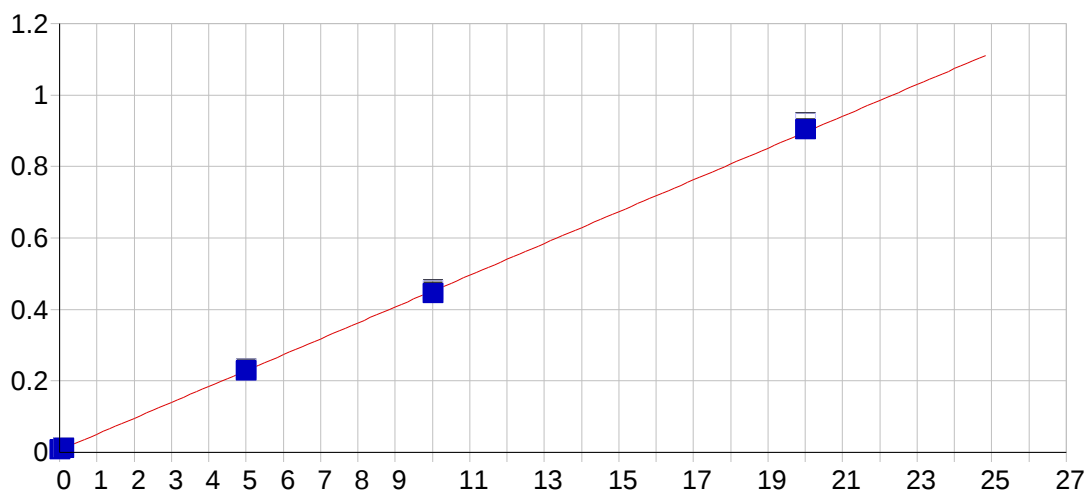
Weighting: 1/Conc

A0 (Offset): 0.000226  
 A1 (Gain): 0.126216  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913  
 Std Error of Est: 0.000063  
 Predicted MDL: 0.001969  
 Predicted MQL: 0.006565

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    | .00023 | .000    | 1        |
| S1        | .05000       | .05908      | .009       | 18.2    | .00753 | .000    | 1        |
| S3        | 2.5000       | 2.4788      | -.021      | -.846   | .30955 | .000    | 1        |
| S4        | 5.0000       | 4.9424      | -.058      | -1.15   | .61694 | .001    | 1        |
| S5        | 10.000       | 10.070      | .070       | .698    | 1.2570 | .003    | 1        |

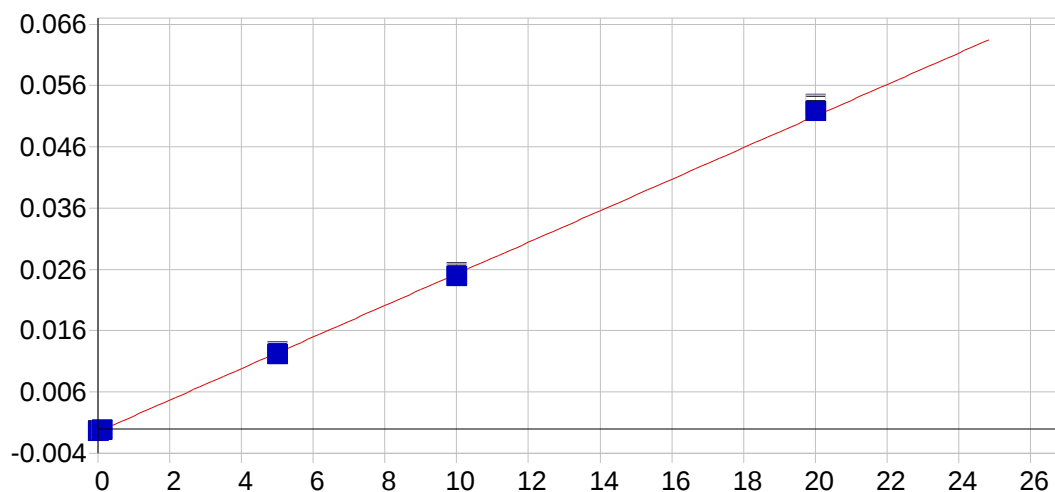


AI 308.215 {109}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006413 Re-Slope: 1.000000  
 A1 (Gain): 0.044481 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999917 Status: OK.  
 Std Error of Est: 0.000045  
 Predicted MDL: 0.003165  
 Predicted MQL: 0.010548

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00641 | .000    | 1        |
| S1        | .10000       | .11480      | .015       | 14.8    | .01183 | .000    | 1        |
| S3        | 5.0000       | 4.9740      | -.026      | -.519   | .23209 | .001    | 1        |
| S4        | 10.000       | 9.8458      | -.154      | -1.54   | .45322 | .001    | 1        |
| S5        | 20.000       | 20.165      | .165       | .823    | .92107 | .001    | 1        |



AI 309.271 {109}

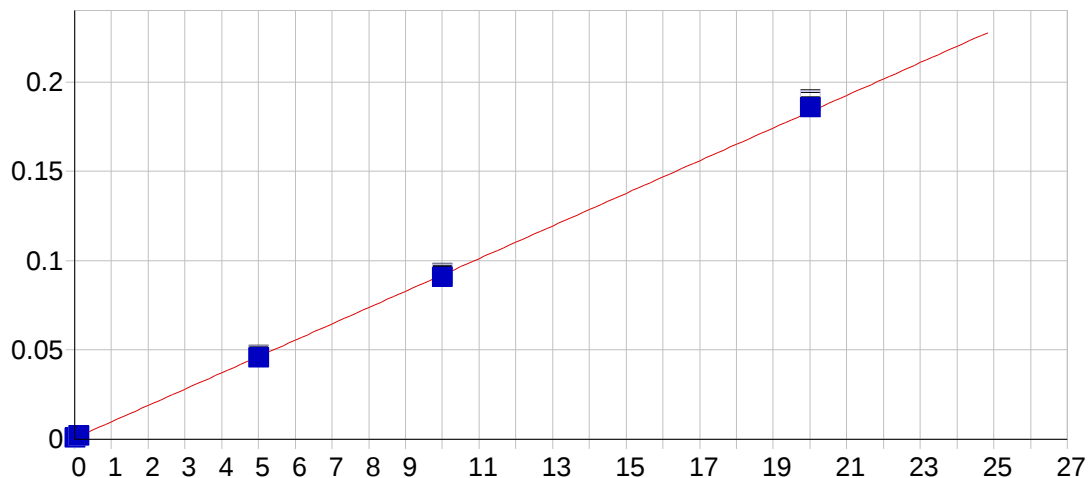
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000475 Re-Slope: 1.000000  
 A1 (Gain): 0.002574 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999811  
 Std Error of Est: 0.000004  
 Predicted MDL: 0.034388  
 Predicted MQL: 0.114627

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | -.00047 | .000    | 1        |
| S1        | .10000       | .07766      | -.022      | -22.3   | -.00026 | .000    | 1        |
| S3        | 5.0000       | 4.8951      | -.105      | -2.10   | .01238  | .000    | 1        |
| S4        | 10.000       | 9.8417      | -.158      | -1.58   | .02537  | .000    | 1        |
| S5        | 20.000       | 20.287      | .287       | 1.43    | .05277  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

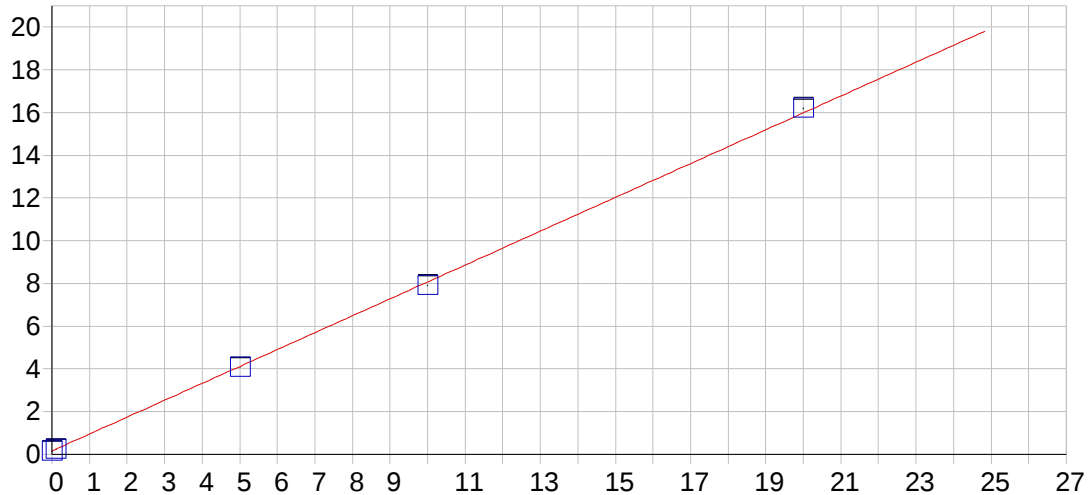
Weighting: 1/Conc

A0 (Offset): 0.000631  
 A1 (Gain): 0.009138  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999841  
 Std Error of Est: 0.000013  
 Predicted MDL: 0.015944  
 Predicted MQL: 0.053145

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       | -.00002     | -.000      | .000    | .00063 | .000    | 1        |
| S1        | .10000       | .12221      | .022       | 22.2    | .00181 | .000    | 1        |
| S3        | 5.0000       | 4.9219      | -.078      | -1.56   | .04652 | .000    | 1        |
| S4        | 10.000       | 9.8293      | -.171      | -1.71   | .09227 | .001    | 1        |
| S5        | 20.000       | 20.226      | .226       | 1.13    | .18909 | .001    | 1        |

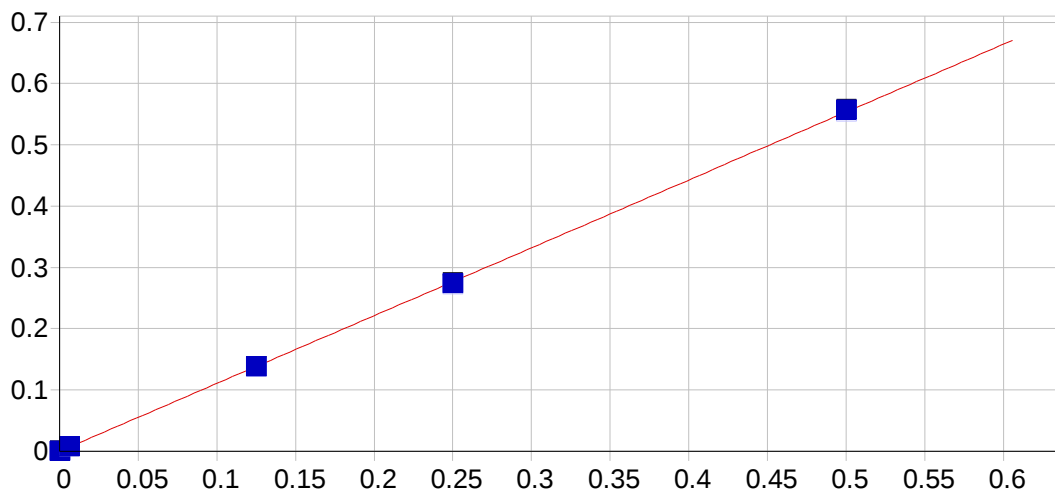


Ba 493.409 { 68}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.160800 Re-Slope: 1.000000  
 A1 (Gain): 0.791208 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999859 Status: OK.  
 Std Error of Est: 0.001016  
 Predicted MDL: 0.004812  
 Predicted MQL: 0.016040

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .16079 | .002    | 1        |
| S1        | .10000       | .11009      | .010       | 10.1    | .24790 | .004    | 1        |
| S3        | 5.0000       | 4.9454      | -.055      | -1.09   | 4.0736 | .015    | 1        |
| S5        | 20.000       | 20.264      | .264       | 1.32    | 16.194 | .043    | 1        |
| S4        | 10.000       | 9.7806      | -.219      | -2.19   | 7.8993 | .034    | 1        |



Be 234.861 {144}

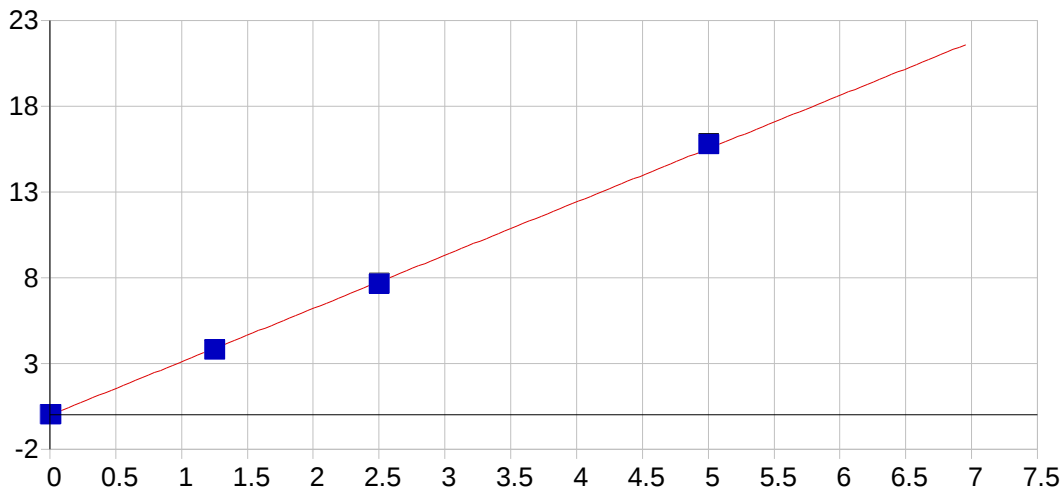
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000176 Re-Slope: 1.000000  
 A1 (Gain): 1.106286 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999946  
 Std Error of Est: 0.000034  
 Predicted MDL: 0.000077  
 Predicted MQL: 0.000257

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00018 | .000    | 1        |
| S1        | .00600       | .00648      | .000       | 8.08    | .00728 | .000    | 1        |
| S3        | .12500       | .12440      | -.001      | -.482   | .13692 | .000    | 1        |
| S4        | .25000       | .24709      | -.003      | -1.16   | .27179 | .001    | 1        |
| S5        | .50000       | .50303      | .003       | .605    | .55319 | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

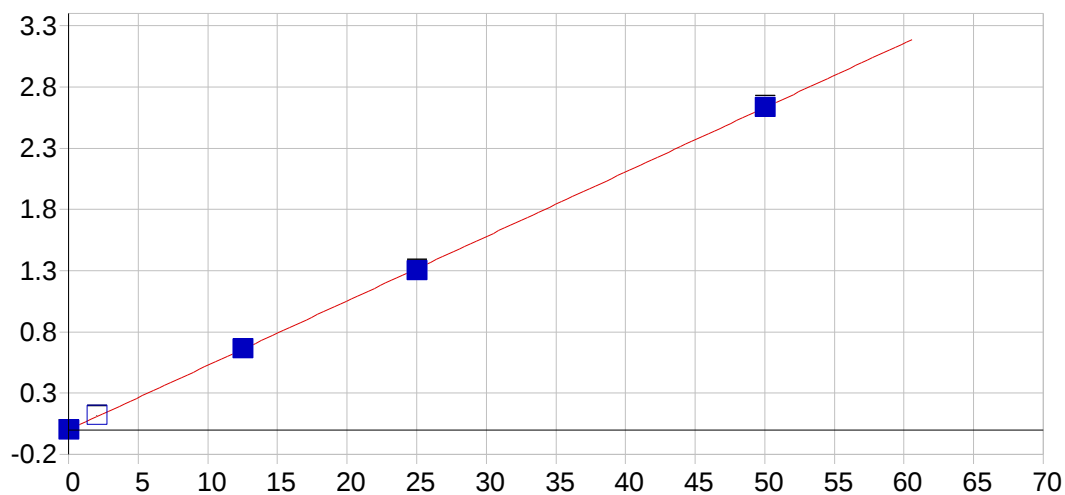
Weighting: 1/Conc

A0 (Offset): -0.002436  
 A1 (Gain): 3.106017  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999829  
 Std Error of Est: 0.000538  
 Predicted MDL: 0.000102  
 Predicted MQL: 0.000341

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    | -.00244 | .000    | 1        |
| S1        | .00600       | .00613      | .000       | 2.15    | .01664  | .000    | 1        |
| S3        | 1.2500       | 1.2130      | -.037      | -2.96   | 3.7661  | .011    | 1        |
| S4        | 2.5000       | 2.4587      | -.041      | -1.65   | 7.6362  | .011    | 1        |
| S5        | 5.0000       | 5.0781      | .078       | 1.56    | 15.774  | .032    | 1        |

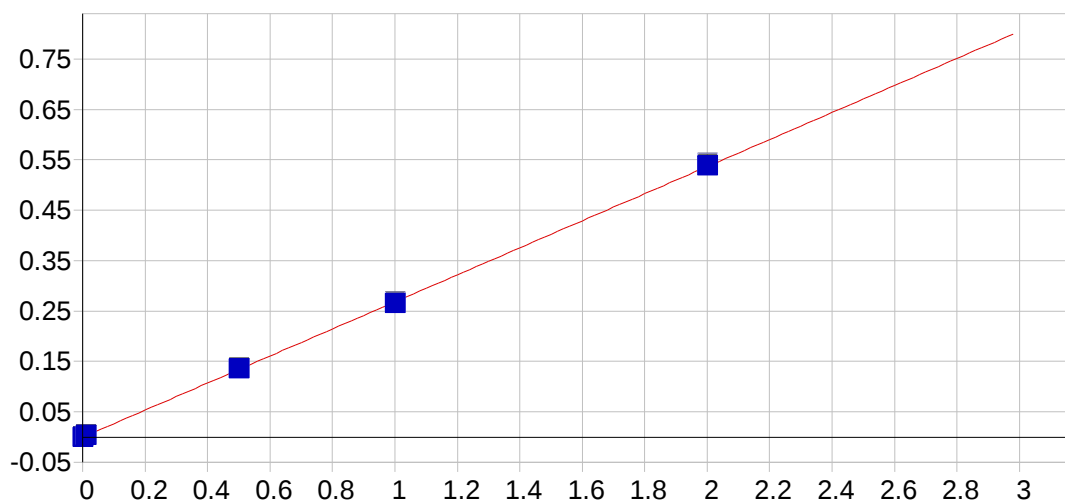


Ca 373.690 { 90}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000277 Re-Slope: 1.000000  
 A1 (Gain): 0.052615 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999855 Status: OK.  
 Std Error of Est: 0.000489  
 Predicted MDL: 0.020057  
 Predicted MQL: 0.066857

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.2116      | .212       | 10.6    | .11664 | .001    | 1        |
| S0        | .00000       | -.00020     | -.000      | .000    | .00027 | .000    | 1        |
| S3        | 12.500       | 12.548      | .048       | .386    | .66085 | .002    | 1        |
| S4        | 25.000       | 24.711      | -.289      | -1.16   | 1.3011 | .010    | 1        |
| S5        | 50.000       | 50.030      | .030       | .060    | 2.6340 | .015    | 1        |



Cr 267.716 {126}

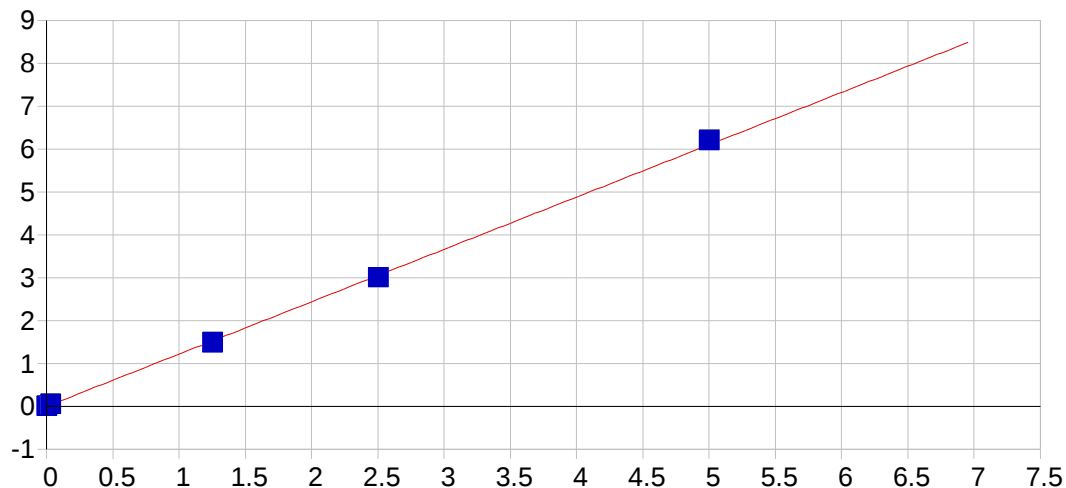
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000162 Re-Slope: 1.000000  
 A1 (Gain): 0.268344 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999959  
 Std Error of Est: 0.000019  
 Predicted MDL: 0.000454  
 Predicted MQL: 0.001514

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00016 | .000    | 1        |
| S1        | .01000       | .01121      | .001       | 12.1    | .00286  | .000    | 1        |
| S3        | .50000       | .50326      | .003       | .652    | .13594  | .000    | 1        |
| S4        | 1.0000       | .98959      | -.010      | -1.04   | .26750  | .000    | 1        |
| S5        | 2.0000       | 2.0059      | .006       | .297    | .54234  | .001    | 1        |



Co 228.616 {447}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

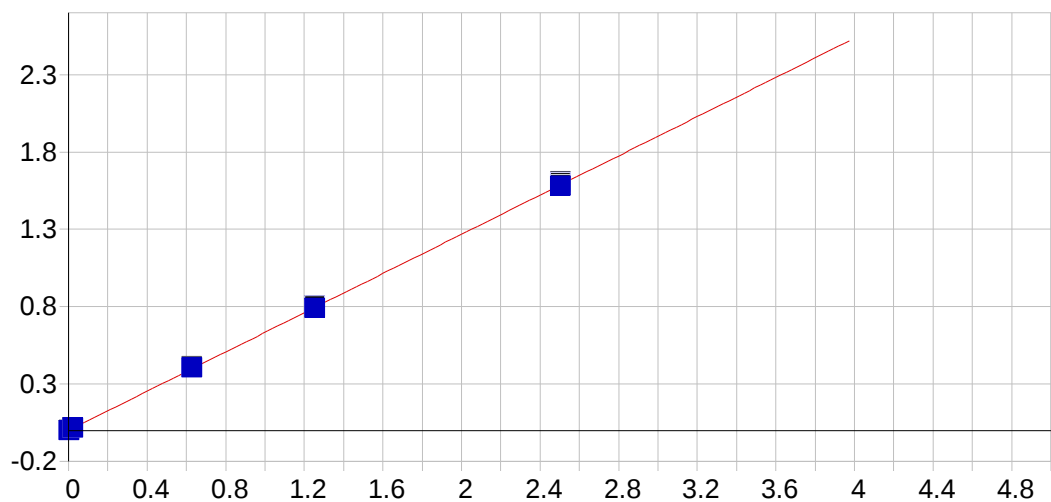
Weighting: 1/Conc

A0 (Offset): -0.000266  
 A1 (Gain): 1.220710  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999790  
 Std Error of Est: 0.000524  
 Predicted MDL: 0.000240  
 Predicted MQL: 0.000802

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    | -.00027 | .000    | 1        |
| S1        | .03000       | .03445      | .004       | 14.8    | .04154  | .000    | 1        |
| S3        | 1.2500       | 1.2156      | -.034      | -2.75   | 1.4848  | .001    | 1        |
| S4        | 2.5000       | 2.4528      | -.047      | -1.89   | 2.9963  | .003    | 1        |
| S5        | 5.0000       | 5.0772      | .077       | 1.54    | 6.2023  | .008    | 1        |

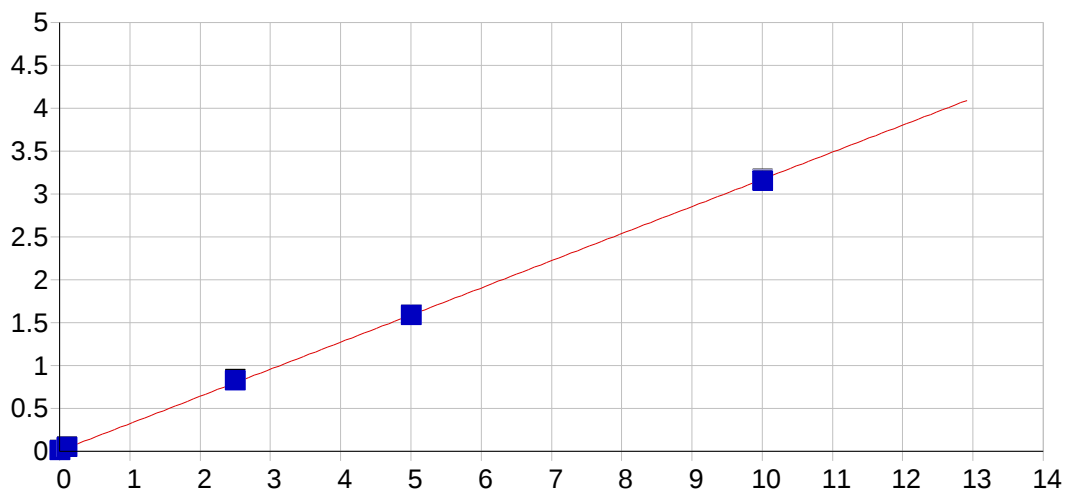


Cu 224.700 {450}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000168 Re-Slope: 1.000000  
 A1 (Gain): 0.633801 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999925 Status: OK.  
 Std Error of Est: 0.000096  
 Predicted MDL: 0.000538  
 Predicted MQL: 0.001794

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00017 | .000    | 1        |
| S1        | .02000       | .02295      | .003       | 14.7    | .01491 | .000    | 1        |
| S3        | .62500       | .63595      | .011       | 1.75    | .40964 | .001    | 1        |
| S4        | 1.2500       | 1.2472      | -.003      | -.222   | .80347 | .001    | 1        |
| S5        | 2.5000       | 2.4889      | -.011      | -.445   | 1.6032 | .006    | 1        |



Fe 240.488 {140}

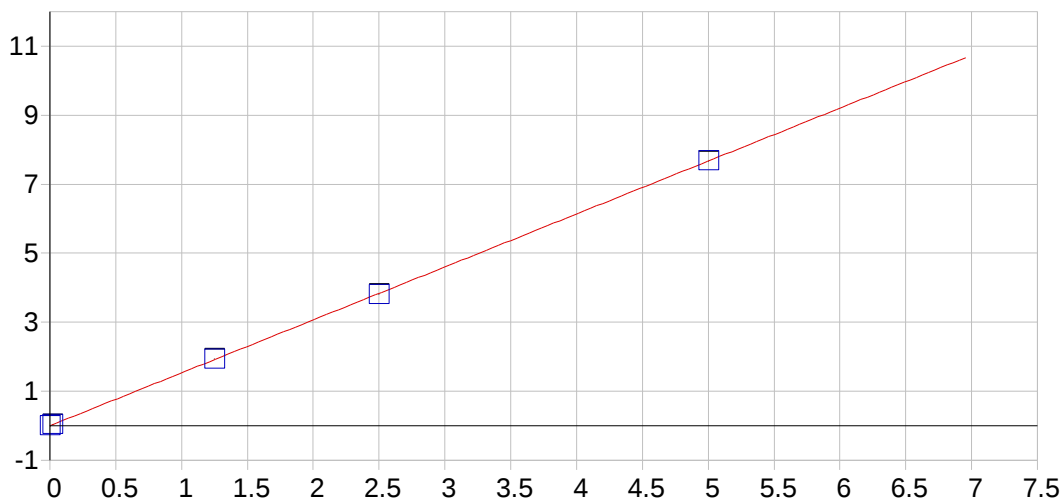
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007535 Re-Slope: 1.000000  
 A1 (Gain): 0.316336 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999851  
 Std Error of Est: 0.000296  
 Predicted MDL: 0.002030  
 Predicted MQL: 0.006767

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00753 | .001    | 1        |
| S1        | .10000       | .11707      | .017       | 17.1    | .04472 | .001    | 1        |
| S3        | 2.5000       | 2.5684      | .068       | 2.73    | .82295 | .012    | 1        |
| S4        | 5.0000       | 4.9751      | -.025      | -.498   | 1.5872 | .002    | 1        |
| S5        | 10.000       | 9.9394      | -.061      | -.606   | 3.1635 | .011    | 1        |



Mn 257.610 {131}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

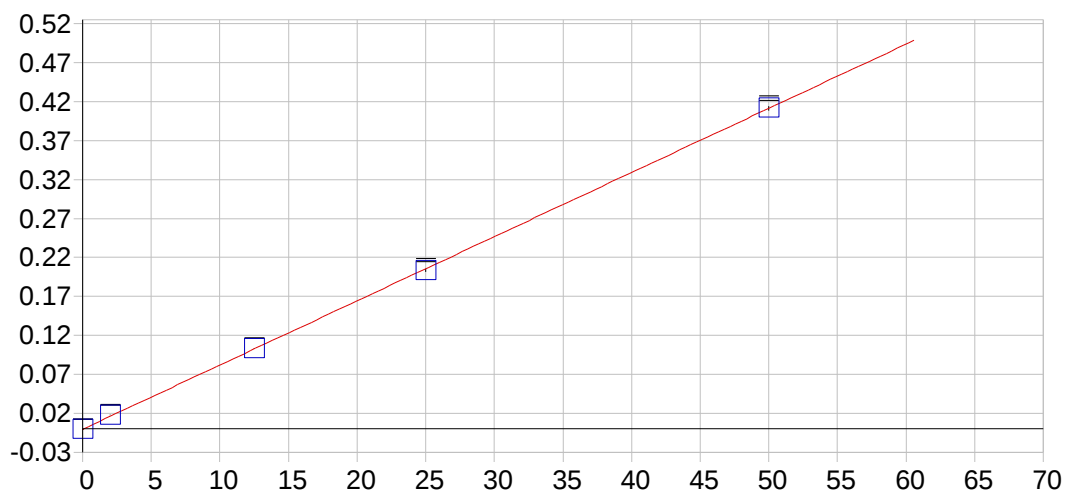
Weighting: 1/Conc

A0 (Offset): 0.000021  
 A1 (Gain): 1.534231  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999949  
 Std Error of Est: 0.000264  
 Predicted MDL: 0.000071  
 Predicted MQL: 0.000238

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    | .00002 | .000    | 1        |
| S1        | .02000       | .02348      | .003       | 17.4    | .03605 | .000    | 1        |
| S3        | 1.2500       | 1.2637      | .014       | 1.10    | 1.9389 | .004    | 1        |
| S4        | 2.5000       | 2.4819      | -.018      | -.722   | 3.8079 | .013    | 1        |
| S5        | 5.0000       | 5.0009      | .001       | .017    | 7.6725 | .012    | 1        |

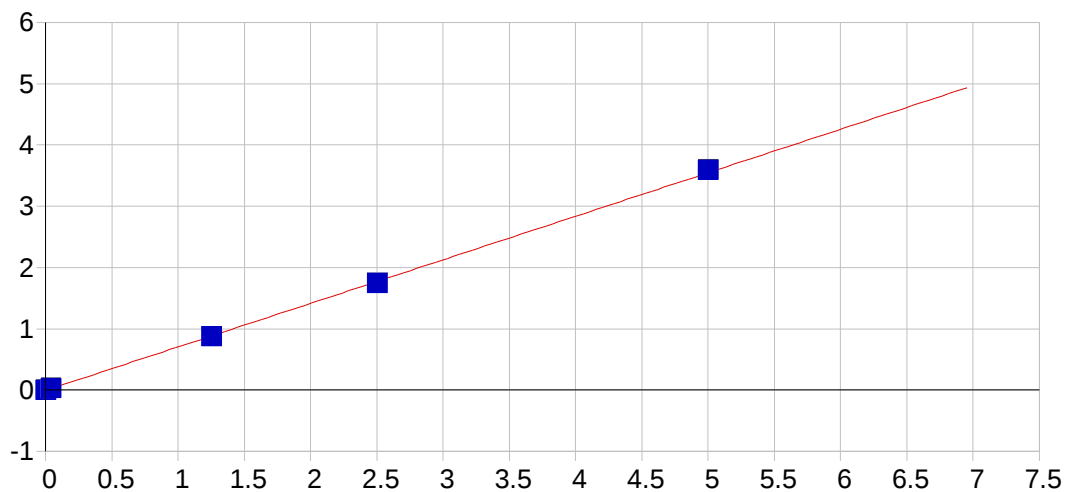


Mg 279.079 {121}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000245 Re-Slope: 1.000000  
 A1 (Gain): 0.008232 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999878 Status: OK.  
 Std Error of Est: 0.000070  
 Predicted MDL: 0.054871  
 Predicted MQL: 0.182903

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1924      | .192       | 9.62    | .01780  | .000    | 1        |
| S0        | .00000       | -.00018     | -.000      | .000    | -.00025 | .000    | 1        |
| S3        | 12.500       | 12.572      | .072       | .575    | .10324  | .000    | 1        |
| S4        | 25.000       | 24.730      | -.270      | -1.08   | .20333  | .002    | 1        |
| S5        | 50.000       | 50.006      | .006       | .012    | .41139  | .003    | 1        |



Ni 231.604 {445}

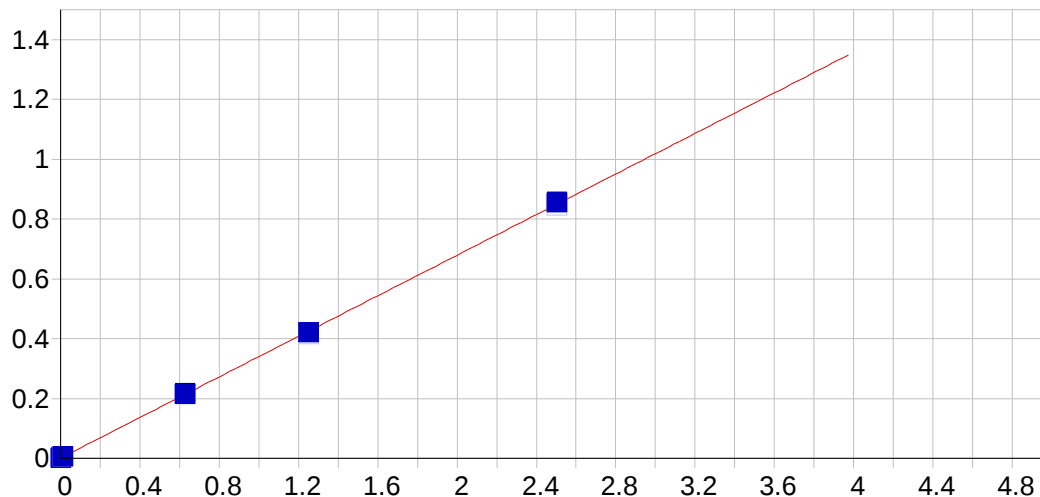
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.006435 Re-Slope: 1.000000  
 A1 (Gain): 0.710785 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999868  
 Std Error of Est: 0.000280  
 Predicted MDL: 0.000434  
 Predicted MQL: 0.001447

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00644 | .000    | 1        |
| S1        | .04000       | .04583      | .006       | 14.6    | .02615  | .000    | 1        |
| S3        | 1.2500       | 1.2308      | -.019      | -1.53   | .86939  | .001    | 1        |
| S4        | 2.5000       | 2.4604      | -.040      | -1.58   | 1.7444  | .001    | 1        |
| S5        | 5.0000       | 5.0529      | .053       | 1.06    | 3.5890  | .005    | 1        |



Ag 328.068 {103}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

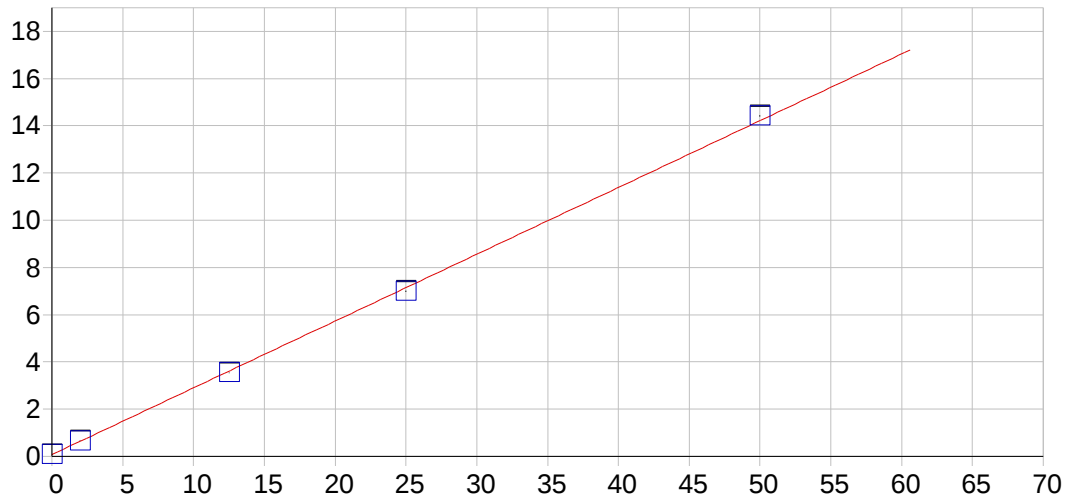
Weighting: 1/Conc

A0 (Offset): 0.000810  
 A1 (Gain): 0.339181  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999945  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.000606  
 Predicted MQL: 0.002020

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    | .00081 | .000    | 1        |
| S1        | .01000       | .01111      | .001       | 11.1    | .00451 | .000    | 1        |
| S3        | .62500       | .62879      | .004       | .607    | .21168 | .001    | 1        |
| S4        | 1.2500       | 1.2320      | -.018      | -1.44   | .41388 | .001    | 1        |
| S5        | 2.5000       | 2.5131      | .013       | .524    | .84358 | .002    | 1        |

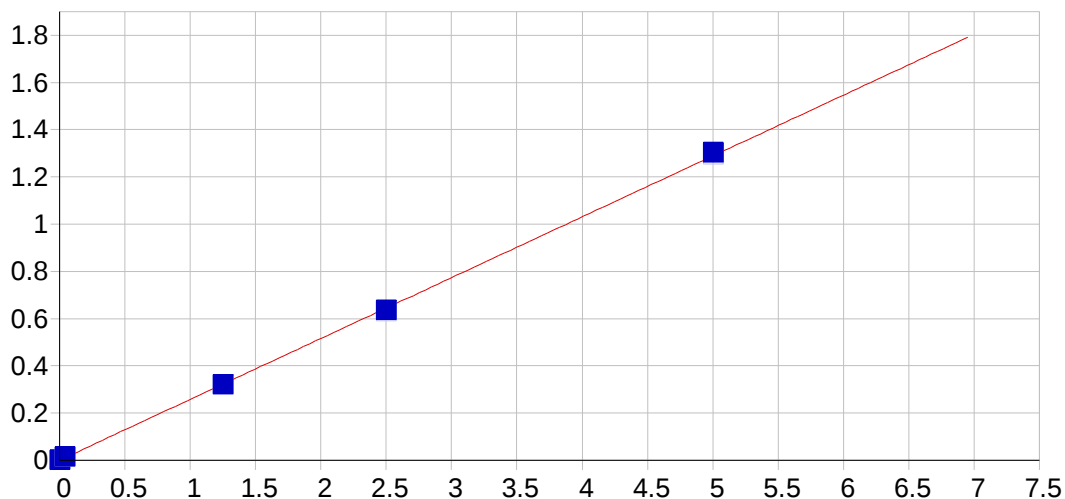


Na 589.592 { 57}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.075446 Re-Slope: 1.000000  
 A1 (Gain): 0.282866 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999830 Status: OK.  
 Std Error of Est: 0.002849  
 Predicted MDL: 0.012807  
 Predicted MQL: 0.042690

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.0750      | .075       | 3.75    | .66238 | .003    | 1        |
| S0        | .00000       | -.00002     | -.000      | .000    | .07544 | .006    | 1        |
| S3        | 12.500       | 12.246      | -.254      | -2.03   | 3.5395 | .022    | 1        |
| S4        | 25.000       | 24.453      | -.547      | -2.19   | 6.9923 | .026    | 1        |
| S5        | 50.000       | 50.726      | .726       | 1.45    | 14.424 | .032    | 1        |



V 292.402 {115}

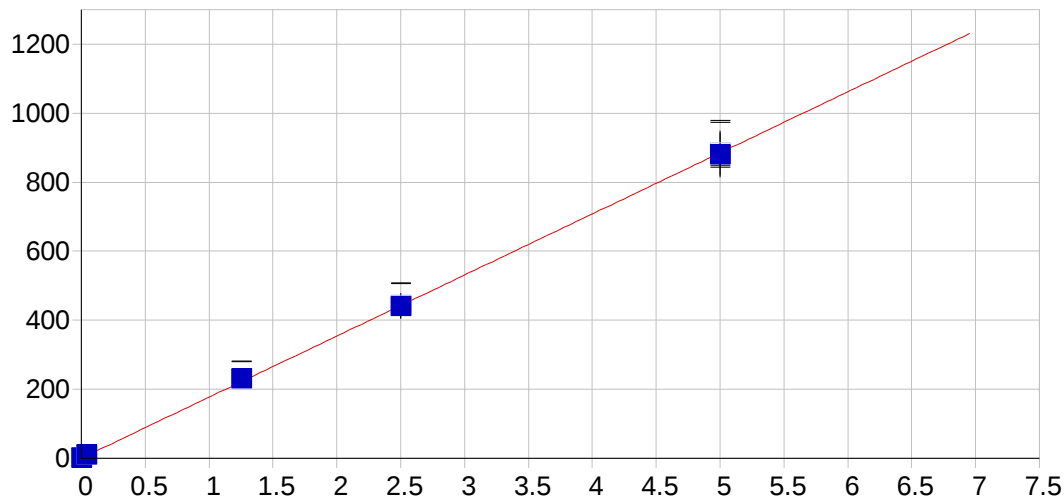
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000494 Re-Slope: 1.000000  
 A1 (Gain): 0.257663 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999867  
 Std Error of Est: 0.000101  
 Predicted MDL: 0.000542  
 Predicted MQL: 0.001806

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00049 | .000    | 1        |
| S1        | .04000       | .04684      | .007       | 17.1    | .01240 | .000    | 1        |
| S3        | 1.2500       | 1.2404      | -.010      | -.769   | .31799 | .000    | 1        |
| S4        | 2.5000       | 2.4590      | -.041      | -1.64   | .62987 | .001    | 1        |
| S5        | 5.0000       | 5.0439      | .044       | .878    | 1.2917 | .002    | 1        |



Zn 206.200 {163}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

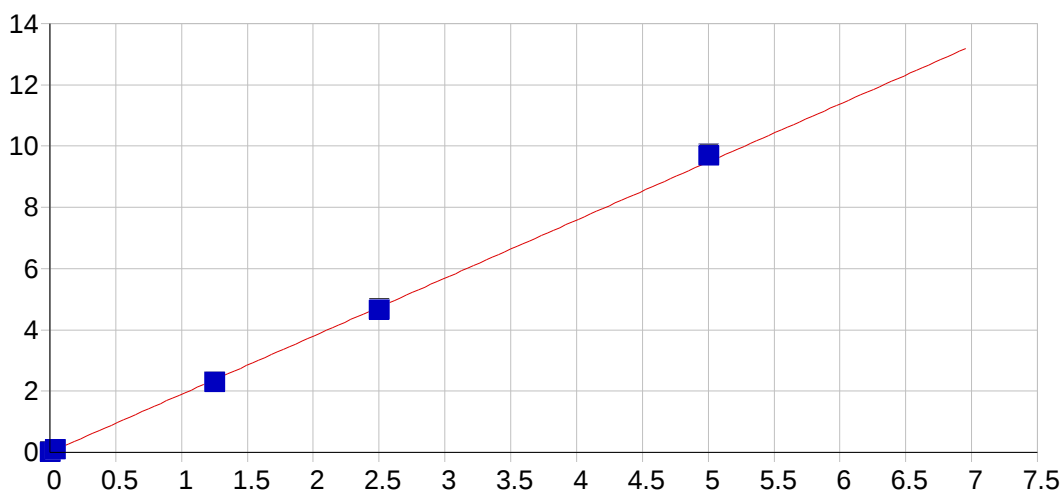
Weighting: 1/Conc

A0 (Offset): 0.296123  
 A1 (Gain): 176.966438  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999767  
 Std Error of Est: 0.092984  
 Predicted MDL: 0.000325  
 Predicted MQL: 0.001083

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    | .29432 | .055    | 1        |
| S1        | .04000       | .04930      | .009       | 23.3    | 9.0673 | .997    | 1        |
| S3        | 1.2500       | 1.2946      | .045       | 3.57    | 230.74 | 20.9    | 1        |
| S4        | 2.5000       | 2.4831      | -.017      | -.674   | 442.41 | 36.1    | 1        |
| S5        | 5.0000       | 4.9629      | -.037      | -.741   | 883.92 | 64.7    | 1        |

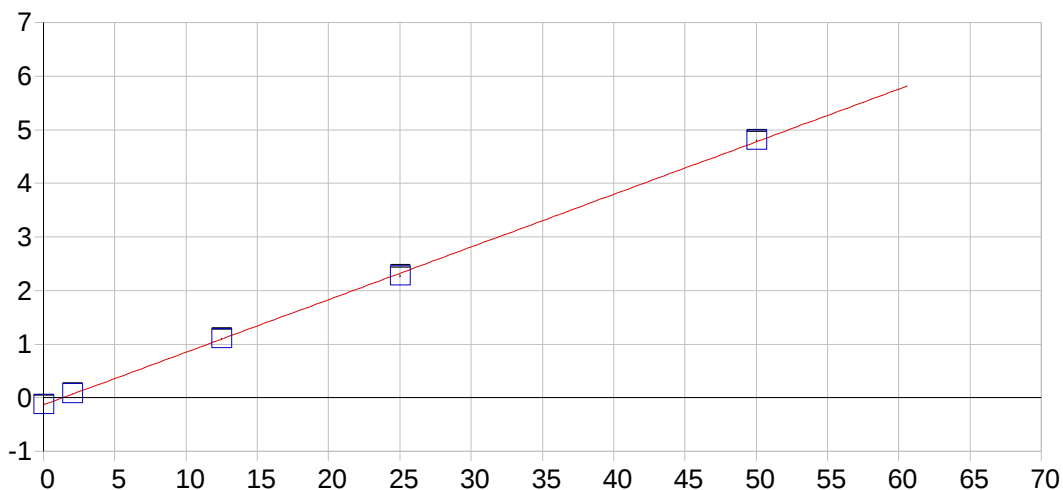


Zn 213.856 {458}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003132 Re-Slope: 1.000000  
 A1 (Gain): 1.895023 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999688 Status: OK.  
 Std Error of Est: 0.001152  
 Predicted MDL: 0.000114  
 Predicted MQL: 0.000381

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00313 | .000    | 1        |
| S1        | .04000       | .04355      | .004       | 8.87    | .08618 | .000    | 1        |
| S3        | 1.2500       | 1.1999      | -.050      | -4.01   | 2.2921 | .005    | 1        |
| S4        | 2.5000       | 2.4455      | -.054      | -2.18   | 4.6677 | .006    | 1        |
| S5        | 5.0000       | 5.1010      | .101       | 2.02    | 9.7302 | .015    | 1        |



K 766.490 {44}

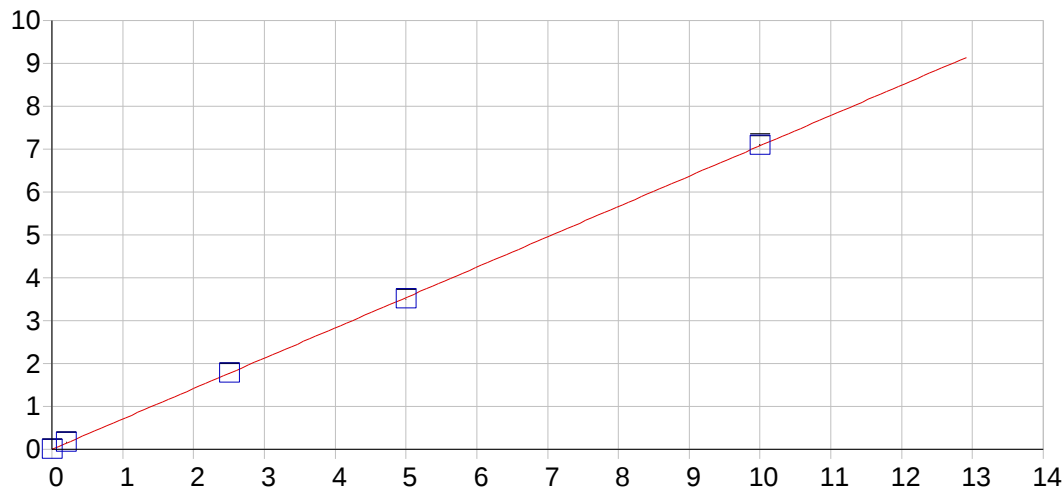
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.133474 Re-Slope: 1.000000  
 A1 (Gain): 0.098156 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999856  
 Std Error of Est: 0.000909  
 Predicted MDL: 0.046496  
 Predicted MQL: 0.154985

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1684      | .168       | 8.42    | .07937  | .001    | 1        |
| S0        | .00000       | -.00015     | -.000      | .000    | -.13349 | .003    | 1        |
| S3        | 12.500       | 12.555      | .055       | .439    | 1.0989  | .010    | 1        |
| S4        | 25.000       | 24.504      | -.496      | -1.98   | 2.2717  | .020    | 1        |
| S5        | 50.000       | 50.273      | .273       | .546    | 4.8011  | .020    | 1        |



Mo 202.030 {467}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

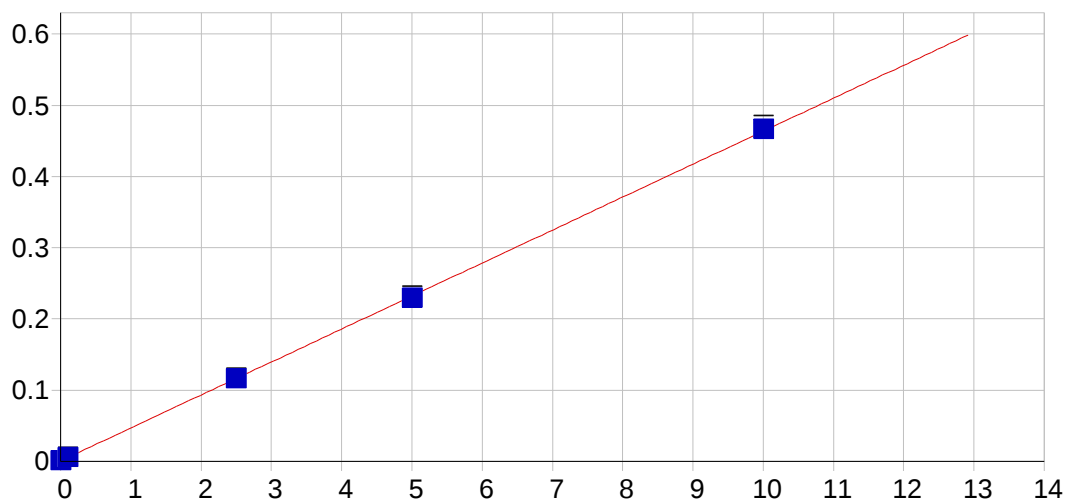
Weighting: 1/Conc

A0 (Offset): 0.000392  
 A1 (Gain): 0.707708  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999900  
 Std Error of Est: 0.000769  
 Predicted MDL: 0.000316  
 Predicted MQL: 0.001054

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       | -.00002     | -.000      | .000    | .00038 | .000    | 1        |
| S1        | .20000       | .22468      | .025       | 12.3    | .15940 | .000    | 1        |
| S3        | 2.5000       | 2.5031      | .003       | .124    | 1.7719 | .004    | 1        |
| S4        | 5.0000       | 4.9522      | -.048      | -.956   | 3.5051 | .007    | 1        |
| S5        | 10.000       | 10.020      | .020       | .200    | 7.0916 | .022    | 1        |

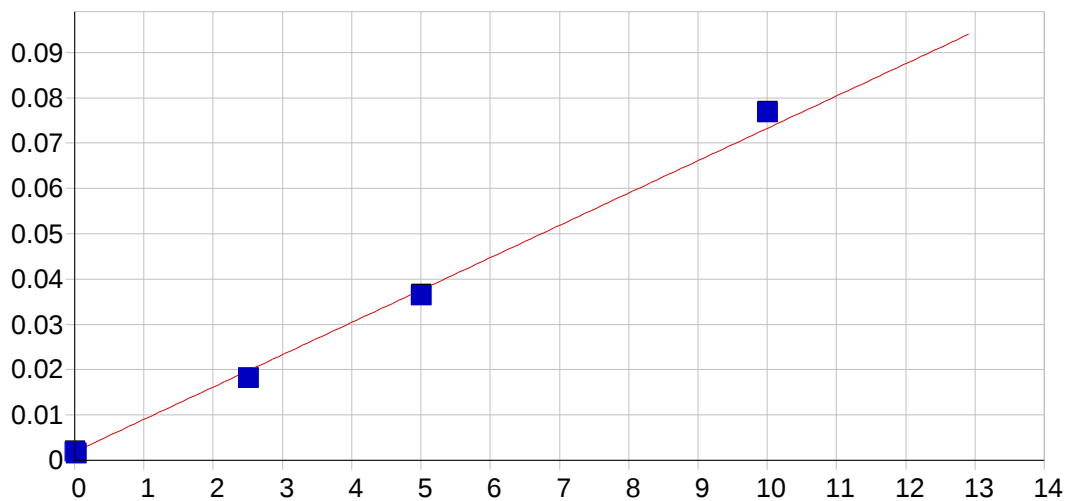


B 249.678 {135}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000667 Re-Slope: 1.000000  
 A1 (Gain): 0.046302 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000021  
 Predicted MDL: 0.009086  
 Predicted MQL: 0.030286

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00067 | .000    | 1        |
| S1        | .10000       | .10292      | .003       | 2.92    | .00541 | .000    | 1        |
| S3        | 2.5000       | 2.4982      | -.002      | -.074   | .11607 | .000    | 1        |
| S4        | 5.0000       | 4.9393      | -.061      | -1.21   | .22882 | .003    | 1        |
| S5        | 10.000       | 10.060      | .060       | .596    | .46536 | .005    | 1        |



S 182.034 {485}

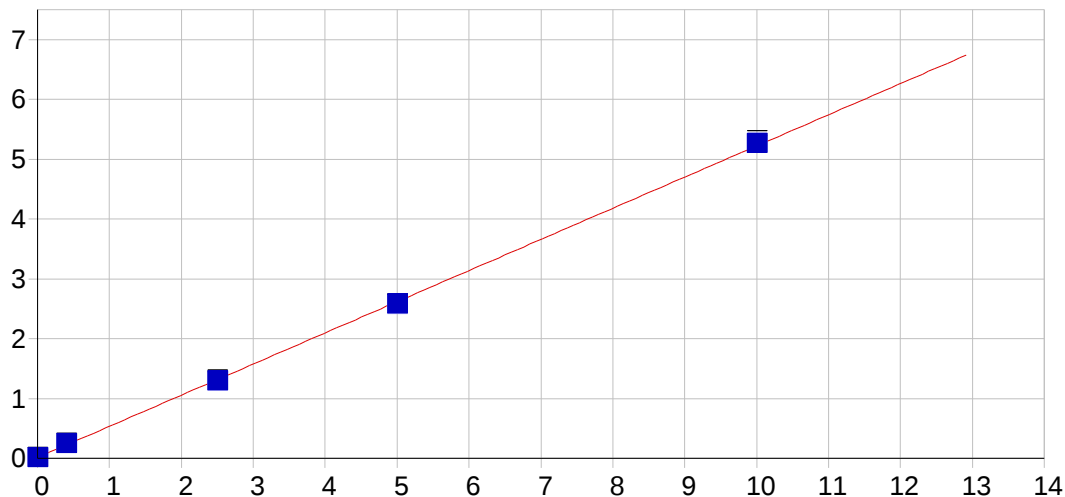
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001886 Re-Slope: 1.000000  
 A1 (Gain): 0.007137 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.989534  
 Std Error of Est: 0.000025  
 Predicted MDL: 0.015772  
 Predicted MQL: 0.052575

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00008      | .000       | .000    | .00189 | .000    | 1        |
| S1        | .02000       | -.06005     | -.080      | -400.   | .00145 | .000    | 1        |
| S3        | 2.5000       | 2.2673      | -.233      | -9.31   | .01805 | .000    | 1        |
| S4        | 5.0000       | 4.8274      | -.173      | -3.45   | .03630 | .000    | 1        |
| S5        | 10.000       | 10.483      | .483       | 4.83    | .07662 | .000    | 1        |



Si 288.158 {117}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

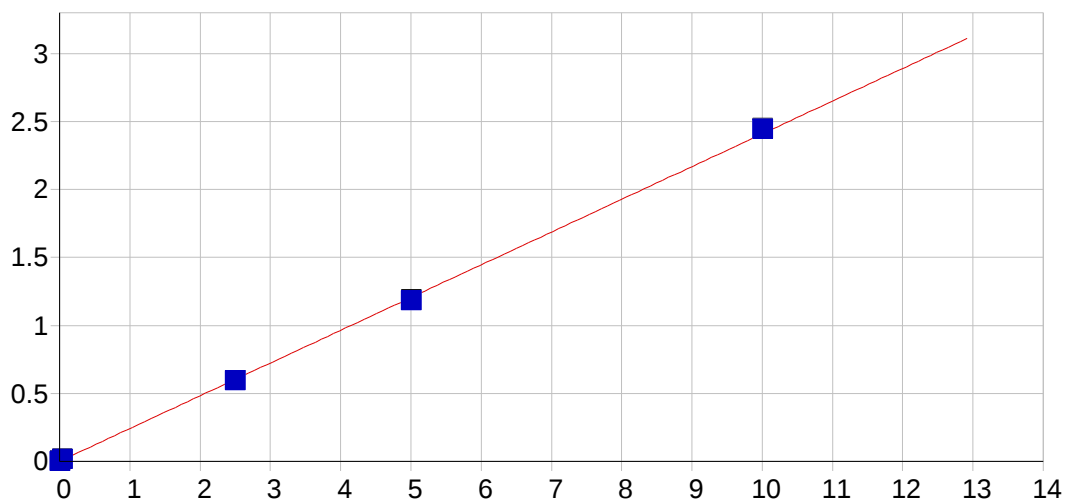
Weighting: 1/Conc

A0 (Offset): 0.013545  
 A1 (Gain): 0.520858  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999739  
 Std Error of Est: 0.001298  
 Predicted MDL: 0.002688  
 Predicted MQL: 0.008960

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       | -.00004     | -.000      | .000    | .01353 | .001    | 1        |
| S1        | .40000       | .44952      | .050       | 12.4    | .24751 | .001    | 1        |
| S3        | 2.5000       | 2.4504      | -.050      | -1.99   | 1.2891 | .018    | 1        |
| S4        | 5.0000       | 4.9142      | -.086      | -1.72   | 2.5718 | .005    | 1        |
| S5        | 10.000       | 10.086      | .086       | .859    | 5.2641 | .040    | 1        |

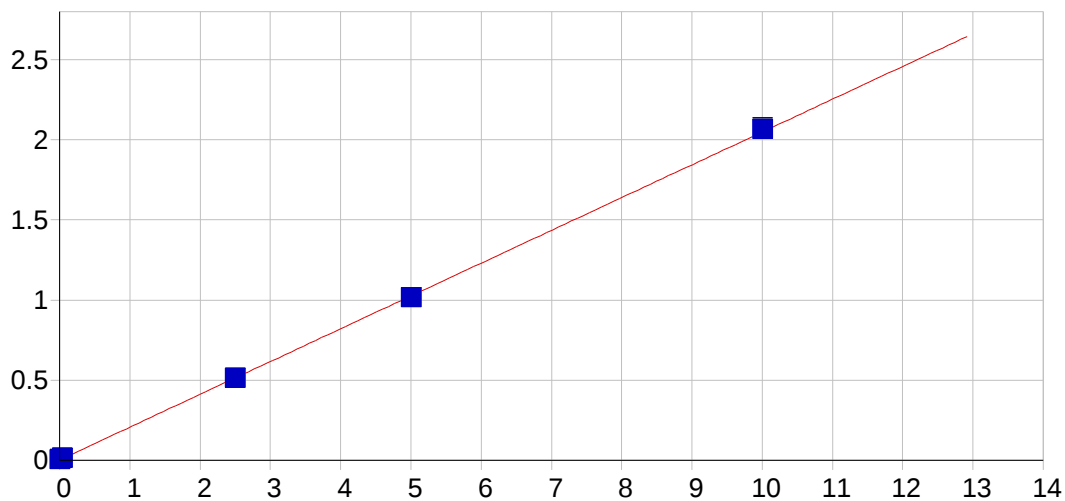


Sn 189.989 {477}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001068 Re-Slope: 1.000000  
 A1 (Gain): 0.240811 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999850 Status: OK.  
 Std Error of Est: 0.000143  
 Predicted MDL: 0.000670  
 Predicted MQL: 0.002234

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00107 | .000    | 1        |
| S1        | .04000       | .04599      | .006       | 15.0    | .01214 | .000    | 1        |
| S3        | 2.5000       | 2.4521      | -.048      | -1.91   | .59168 | .001    | 1        |
| S4        | 5.0000       | 4.9086      | -.091      | -1.83   | 1.1833 | .003    | 1        |
| S5        | 10.000       | 10.133      | .133       | 1.33    | 2.4417 | .004    | 1        |



Ti 336.121 {100}

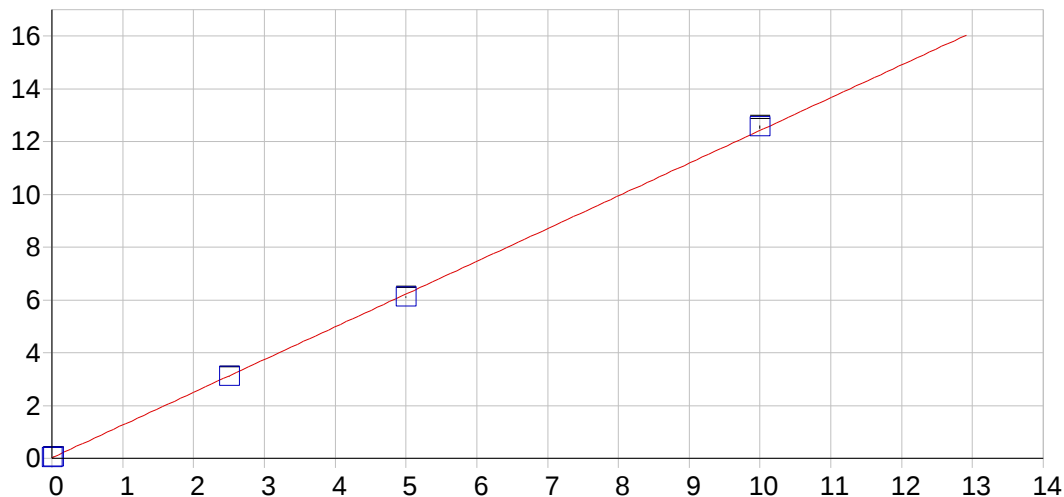
Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002443 Re-Slope: 1.000000  
 A1 (Gain): 0.204650 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.003334  
 Predicted MQL: 0.011114

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00244 | .000    | 1        |
| S1        | .04000       | .04079      | .001       | 1.97    | .01079 | .000    | 1        |
| S3        | 2.5000       | 2.4831      | -.017      | -.674   | .51055 | .002    | 1        |
| S4        | 5.0000       | 4.9389      | -.061      | -1.22   | 1.0130 | .003    | 1        |
| S5        | 10.000       | 10.077      | .077       | .772    | 2.0645 | .009    | 1        |



Li 670.784 { 50}

Date of Fit: 2/18/2019 15:21:15

Type of Fit: Linear

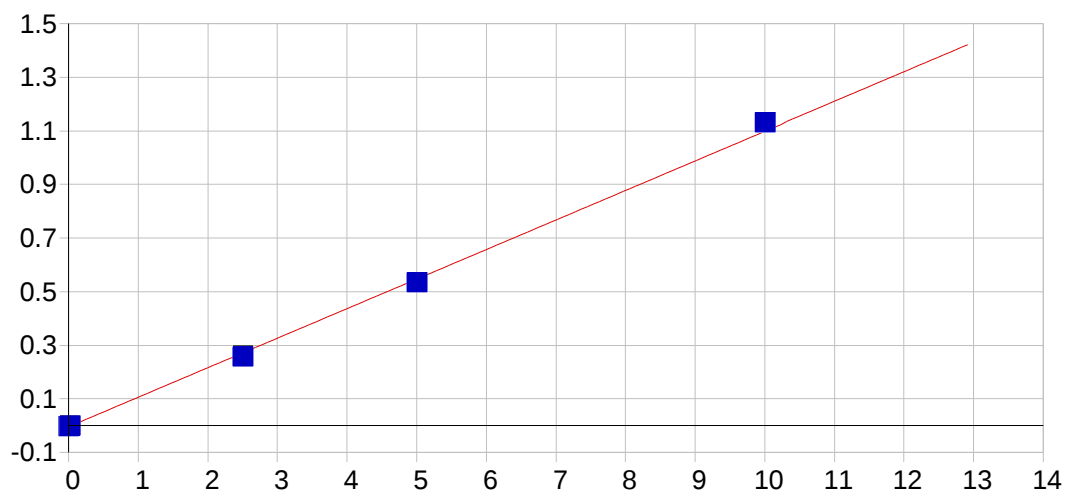
Weighting: 1/Conc

A0 (Offset): 0.020257  
 A1 (Gain): 1.240414  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999910  
 Std Error of Est: 0.000402  
 Predicted MDL: 0.002806  
 Predicted MQL: 0.009355

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    | .02026 | .003    | 1        |
| S1        | .02000       | .01684      | -.003      | -15.8   | .04115 | .003    | 1        |
| S3        | 2.5000       | 2.4819      | -.018      | -.724   | 3.0989 | .014    | 1        |
| S4        | 5.0000       | 4.9160      | -.084      | -1.68   | 6.1181 | .021    | 1        |
| S5        | 10.000       | 10.105      | .105       | 1.05    | 12.555 | .066    | 1        |

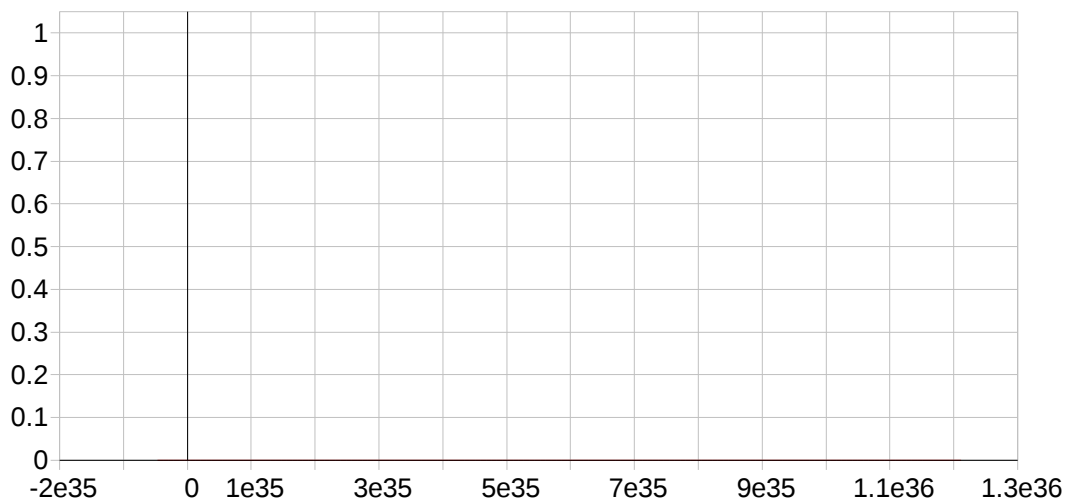


P 177.495 {490}

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004229 Re-Slope: 1.000000  
 A1 (Gain): 0.110310 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999470 Status: OK.  
 Std Error of Est: 0.000087  
 Predicted MDL: 0.001463  
 Predicted MQL: 0.004876

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00423 | .000    | 1        |
| S1        | .02000       | .01802      | -.002      | -9.88   | -.00225 | .000    | 1        |
| S3        | 2.5000       | 2.3649      | -.135      | -5.40   | .25625  | .001    | 1        |
| S4        | 5.0000       | 4.8652      | -.135      | -2.70   | .53165  | .001    | 1        |
| S5        | 10.000       | 10.272      | .272       | 2.72    | 1.1273  | .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

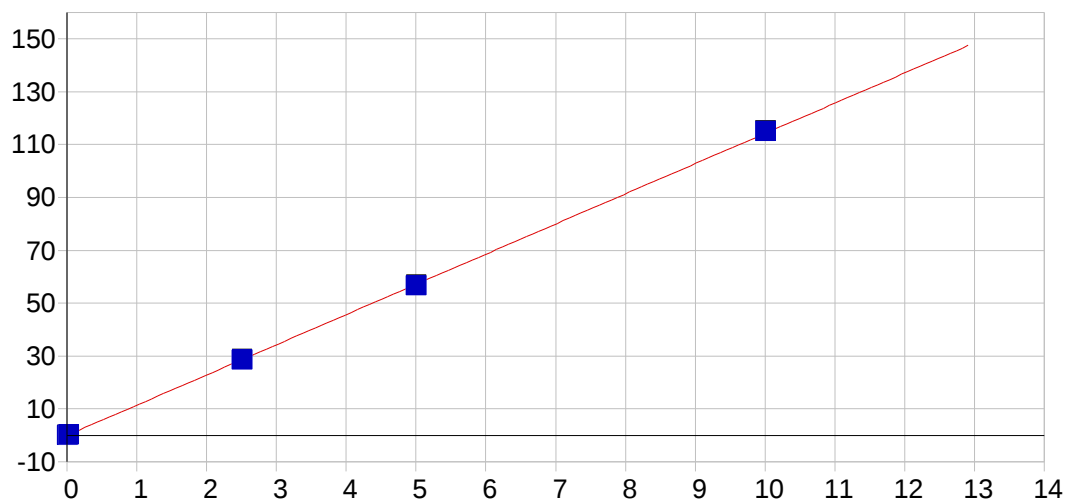
Status: Warning Zero Gain

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: 2/18/2019 15:21:15

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.014639

Re-Slope: 1.000000

A1 (Gain): 11.426777

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999970

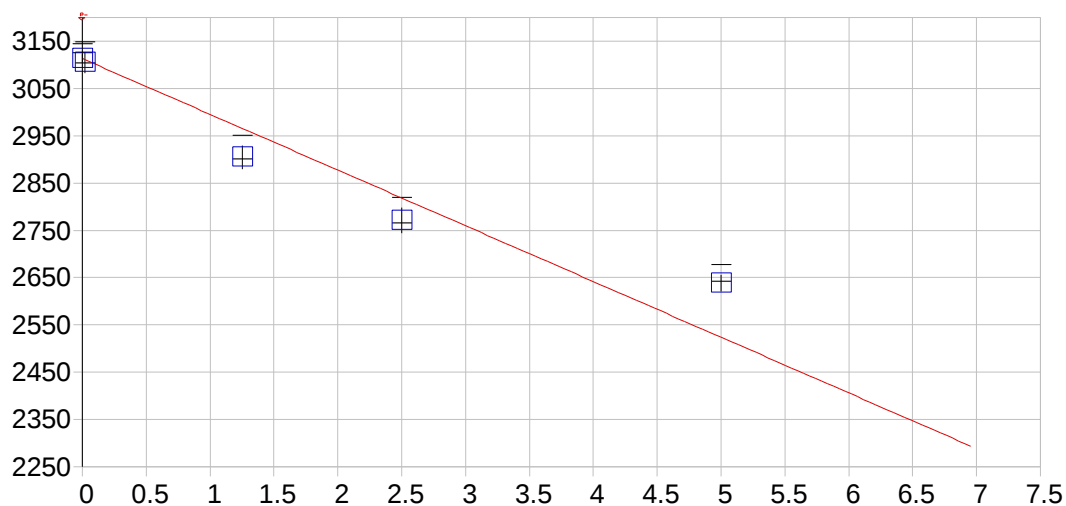
Status: OK.

Std Error of Est: 0.002144

Predicted MDL: 0.000130

Predicted MQL: 0.000435

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.01465 | .001    | 1        |
| S1        | .02000       | .02129      | .001       | 6.43    | .22985  | .001    | 1        |
| S3        | 2.5000       | 2.4932      | -.007      | -.270   | 28.507  | .122    | 1        |
| S4        | 5.0000       | 4.9454      | -.055      | -1.09   | 56.559  | .203    | 1        |
| S5        | 10.000       | 10.060      | .060       | .600    | 115.06  | .182    | 1        |

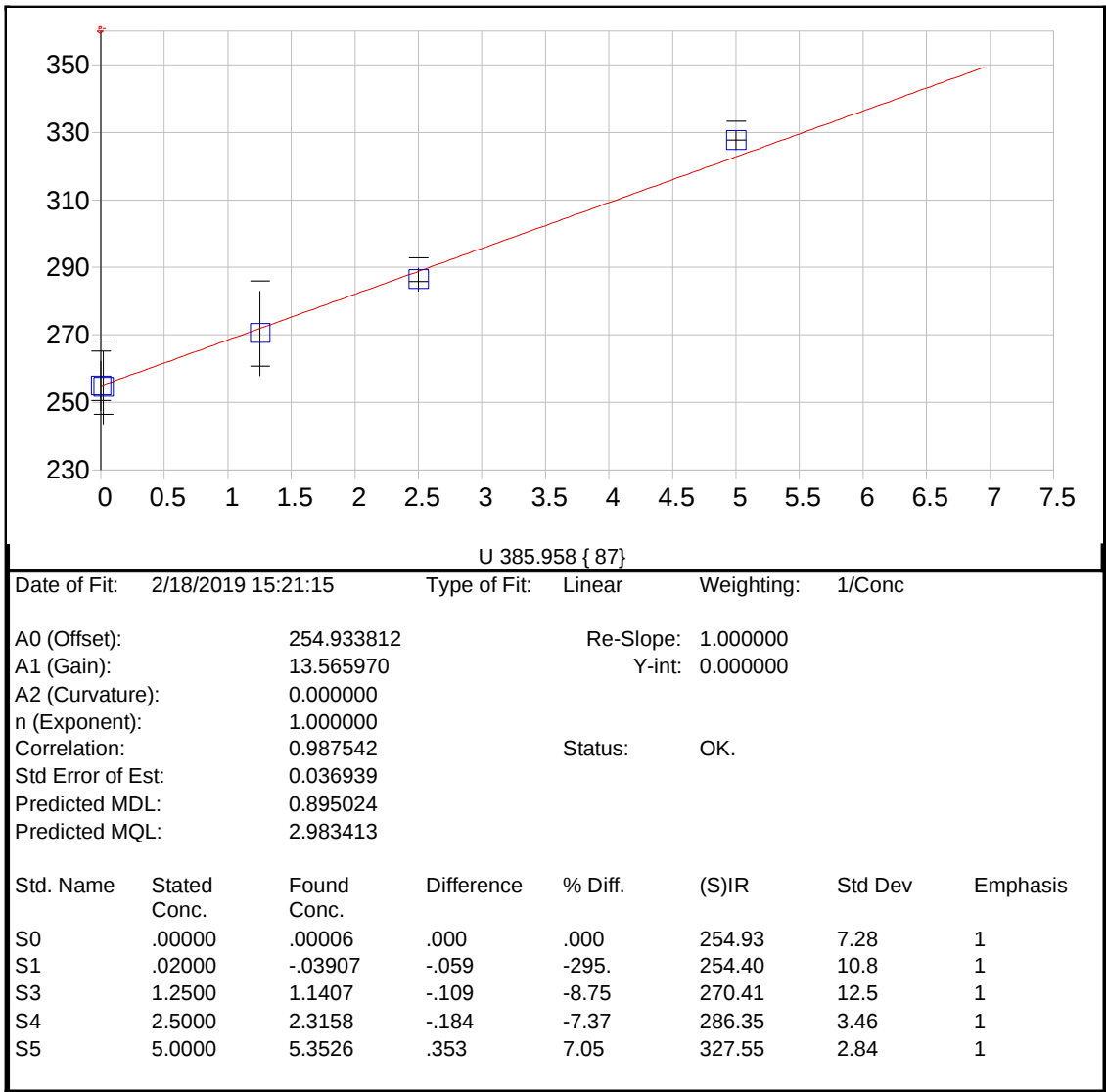


U 367.007 { 92 }

Date of Fit: 2/18/2019 15:21:15 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 3112.986494 Re-Slope: 1.000000  
A1 (Gain): -117.812457 Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.967504 Status: Warning Negative Gain  
Std Error of Est: 0.526162  
Predicted MDL: n/a  
Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00006     | -.000      | .000    | 3113.0 | 9.20    | 1        |
| S1        | .02000       | .07046      | .050       | 252.    | 3104.7 | 22.0    | 1        |
| S3        | 1.2500       | 1.7707      | .521       | 41.7    | 2904.4 | 24.8    | 1        |
| S4        | 2.5000       | 2.9027      | .403       | 16.1    | 2771.0 | 27.5    | 1        |
| S5        | 5.0000       | 4.0261      | -.974      | -19.5   | 2638.7 | 17.6    | 1        |



Sample Name: S0      Acquired: 2/18/2019 12:07:33      Type: Cal  
Method: P4-ICP2(v2872)      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    | -.00030 | .00006 | .00303 | -.00042 | .00023 | .00063 | .16079 | .00018 |
| Stddev | .00012  | .00007 | .00034 | .00005  | .00014 | .00008 | .00241 | .00004 |
| %RSD   | 41.844  | 120.32 | 11.329 | 11.657  | 62.227 | 12.441 | 1.4979 | 22.287 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00020 | .00006  | .00338 | -.00039 | .00017 | .00058 | .16102 | .00013 |
| #2 | -.00044 | -.00001 | .00302 | -.00040 | .00038 | .00060 | .16308 | .00019 |
| #3 | -.00026 | .00013  | .00270 | -.00048 | .00012 | .00072 | .15828 | .00021 |

|        |         |        |         |         |        |        |        |         |
|--------|---------|--------|---------|---------|--------|--------|--------|---------|
| 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    | -.00244 | .00027 | -.00016 | -.00027 | .00017 | .00753 | .00002 | -.00025 |
| Stddev | .00020  | .00039 | .00006  | .00029  | .00029 | .00050 | .00004 | .00018  |
| %RSD   | 8.2778  | 147.34 | 33.857  | 106.56  | 172.58 | 6.6620 | 252.72 | 73.321  |

|    |         |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00266 | .00071  | -.00022 | -.00057 | -.00002 | .00746 | .00005  | -.00004 |
| #2 | -.00238 | -.00004 | -.00011 | .00001  | .00050  | .00707 | .00002  | -.00036 |
| #3 | -.00227 | .00013  | -.00017 | -.00025 | .00002  | .00806 | -.00003 | -.00035 |

|        |         |        |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|--------|---------|--------|--------|
| 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    | -.00644 | .00081 | .07544 | .00049 | .00313 | -.13349 | .00038 | .00067 |
| Stddev | .00016  | .00011 | .00597 | .00010 | .00011 | .00322  | .00013 | .00008 |
| %RSD   | 2.5585  | 13.708 | 7.9072 | 19.831 | 3.3613 | 2.4135  | 34.143 | 12.045 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | -.00655 | .00083 | .08161 | .00048 | .00325 | -.13635 | .00039 | .00065 |
| #2 | -.00625 | .00091 | .07501 | .00060 | .00306 | -.13412 | .00049 | .00060 |
| #3 | -.00652 | .00069 | .06970 | .00040 | .00308 | -.13000 | .00024 | .00076 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00189 | .01353 | .00107 | .00244 | .02026 | -.0042 | -.01465 | 3113.0 |
| Stddev | .00012 | .00082 | .00026 | .00040 | .00254 | .0001  | .00118  | 9.2    |
| %RSD   | 6.1576 | 6.0424 | 23.952 | 16.549 | 12.559 | 1.371  | 8.0692  | .29550 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00202 | .01364 | .00093 | .00200 | .01882 | -.0043 | -.01378 | 3123.5 |
| #2 | .00182 | .01428 | .00136 | .00255 | .02320 | -.0042 | -.01600 | 3106.7 |
| #3 | .00182 | .01266 | .00091 | .00278 | .01876 | -.0042 | -.01418 | 3108.8 |

Sample Name: S0      Acquired: 2/18/2019 12:07:33      Type: Cal  
 Method: P4-ICP2(v2872)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | Cts/S  |
| Avg    | 254.93 |
| Stddev | 7.28   |
| %RSD   | 2.8573 |

|    |        |
|----|--------|
| #1 | 247.86 |
| #2 | 262.41 |
| #3 | 254.54 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3395.2 | 35506. | 3555.8 | 15.926 | 3566.0 |
| Stddev    | 12.0   | 170.   | 33.0   | 1.011  | 6.8    |
| %RSD      | .35488 | .47978 | .92719 | 6.3510 | .19208 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3393.9 | 35693. | 3518.6 | 16.430 | 3558.1 |
| #2 | 3407.8 | 35466. | 3581.3 | 14.761 | 3570.4 |
| #3 | 3383.8 | 35359. | 3567.5 | 16.586 | 3569.6 |

Sample Name: S1      Acquired: 2/18/2019 12:11:59      Type: Cal  
Method: P4-ICP2(v2872)      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    | .00089 | .00538 | .00642 | .00105 | .00753 | .00181 | .24790 | .00728 |
| Stddev | .00013 | .00017 | .00017 | .00004 | .00034 | .00009 | .00448 | .00006 |
| %RSD   | 14.463 | 3.2174 | 2.6740 | 4.2540 | 4.4624 | 4.7753 | 1.8058 | .78375 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00083 | .00524 | .00640 | .00101 | .00790 | .00191 | .24279 | .00722 |
| #2 | .00080 | .00558 | .00660 | .00104 | .00725 | .00179 | .25114 | .00734 |
| #3 | .00104 | .00533 | .00626 | .00109 | .00743 | .00174 | .24977 | .00728 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01664 | .00286 | .04154 | .01491 | .04472 | .03605 | .02615 | .00451 |
| Stddev | .00012 | .00002 | .00012 | .00029 | .00067 | .00024 | .00030 | .00007 |
| %RSD   | .73495 | .78488 | .29851 | 1.9372 | 1.4907 | .67286 | 1.1655 | 1.6440 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01666 | .00288 | .04166 | .01461 | .04425 | .03585 | .02625 | .00454 |
| #2 | .01675 | .00284 | .04141 | .01519 | .04443 | .03632 | .02581 | .00442 |
| #3 | .01651 | .00286 | .04155 | .01492 | .04548 | .03598 | .02640 | .00456 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01240 | .08618 | .15940 | .00541 | .00145 | .24751 | .01214 | .01079 |
| Stddev | .00010 | .00036 | .00020 | .00004 | .00005 | .00055 | .00023 | .00021 |
| %RSD   | .81728 | .42271 | .12270 | .74219 | 3.7773 | .22325 | 1.9141 | 1.9769 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01251 | .08641 | .15932 | .00538 | .00152 | .24687 | .01190 | .01083 |
| #2 | .01238 | .08576 | .15926 | .00540 | .00142 | .24781 | .01216 | .01097 |
| #3 | .01232 | .08638 | .15962 | .00546 | .00143 | .24784 | .01237 | .01055 |

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .04115 | -.0022 | .22985 | 3104.7 | 254.40 |
| Stddev | .00317 | .0001  | .00065 | 22.0   | 10.80  |
| %RSD   | 7.6960 | 3.038  | .28440 | .70782 | 4.2442 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | .03904 | -.0023 | .22935 | 3091.1 | 242.56 |
| #2 | .03961 | -.0023 | .23059 | 3092.9 | 263.71 |
| #3 | .04479 | -.0022 | .22961 | 3130.0 | 256.94 |

Sample Name: S1      Acquired: 2/18/2019 12:11:59      Type: Cal  
Method: P4-ICP2(v2872)      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       | 3445.3 | 35666. | 3632.3 | 15.408 | 3584.8 |
| Stddev    | 4.2    | 95.    | 31.3   | 1.583  | 3.9    |
| %RSD      | .12312 | .26742 | .86046 | 10.271 | .10842 |
| #1        | 3447.0 | 35620. | 3600.2 | 17.136 | 3582.0 |
| #2        | 3440.5 | 35602. | 3634.1 | 15.059 | 3583.2 |
| #3        | 3448.5 | 35775. | 3662.7 | 14.030 | 3589.3 |

Sample Name: S2      Acquired: 2/18/2019 12:16:28      Type: Cal  
Method: P4-ICP2(v2872)      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    | .11664 | .01780 | .66238 | .07937 |
| Stddev | .00109 | .00041 | .00274 | .00147 |
| %RSD   | .93580 | 2.3022 | .41338 | 1.8535 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .11755 | .01783 | .66151 | .07776 |
| #2 | .11543 | .01738 | .66019 | .08064 |
| #3 | .11693 | .01820 | .66545 | .07970 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3605.6 |
| Stddev    | 10.5   |
| %RSD      | .29151 |

|    |        |
|----|--------|
| #1 | 3599.7 |
| #2 | 3599.4 |
| #3 | 3617.7 |

Sample Name: S3      Acquired: 2/18/2019 12:20:42      Type: Cal  
Method: P4-ICP2(v2872)      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    | .12851 | .28006 | .58897 | .16096 | .30955 | .04652 | 4.0736 | .13692 |
| Stddev | .00018 | .00047 | .00081 | .00031 | .00033 | .00038 | .0149  | .00026 |
| %RSD   | .13650 | .16684 | .13709 | .19437 | .10727 | .82325 | .36646 | .18710 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12853 | .28059 | .58920 | .16091 | .30977 | .04626 | 4.0719 | .13693 |
| #2 | .12867 | .27991 | .58964 | .16129 | .30917 | .04634 | 4.0893 | .13718 |
| #3 | .12832 | .27970 | .58808 | .16067 | .30970 | .04696 | 4.0596 | .13667 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.7661 | .66085 | .13594 | 1.4848 | .40964 | .82295 | 1.9389 | .10324 |
| Stddev | .0105  | .00201 | .00047 | .0014  | .00117 | .01237 | .0037  | .00044 |
| %RSD   | .27952 | .30452 | .34267 | .09754 | .28651 | 1.5033 | .18944 | .42573 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7591 | .65984 | .13639 | 1.4842 | .40894 | .82472 | 1.9415 | .10373 |
| #2 | 3.7782 | .66316 | .13597 | 1.4864 | .41099 | .83434 | 1.9404 | .10314 |
| #3 | 3.7611 | .65953 | .13546 | 1.4837 | .40899 | .80979 | 1.9347 | .10286 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .86939 | .21168 | 3.5395 | .31799 | 2.2921 | 1.0989 | 1.7719 | .11607 |
| Stddev | .00137 | .00116 | .0222  | .00024 | .0048  | .0100  | .0041  | .00015 |
| %RSD   | .15764 | .54678 | .62707 | .07478 | .21118 | .90774 | .23104 | .12913 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86800 | .21301 | 3.5307 | .31826 | 2.2901 | 1.0953 | 1.7728 | .11598 |
| #2 | .87075 | .21093 | 3.5648 | .31783 | 2.2977 | 1.0912 | 1.7754 | .11624 |
| #3 | .86941 | .21109 | 3.5231 | .31788 | 2.2886 | 1.1101 | 1.7674 | .11598 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01805 | 1.2891 | .59168 | .51055 | 3.0989 | .2562  | 28.507 | 2904.4 |
| Stddev | .00015 | .0175  | .00105 | .00232 | .0144  | .0008  | .122   | 24.8   |
| %RSD   | .82606 | 1.3605 | .17795 | .45435 | .46497 | .3062  | .42627 | .85428 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .01788 | 1.2935 | .59268 | .51207 | 3.0910 | .2571 | 28.523 | 2896.5 |
| #2 | .01811 | 1.3041 | .59177 | .50788 | 3.1155 | .2560 | 28.619 | 2884.5 |
| #3 | .01816 | 1.2698 | .59058 | .51171 | 3.0901 | .2556 | 28.378 | 2932.2 |

Sample Name: S3      Acquired: 2/18/2019 12:20:42      Type: Cal  
Method: P4-ICP2(v2872)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | Cts/S  |
| Avg    | 270.41 |
| Stddev | 12.54  |
| %RSD   | 4.6380 |

|    |        |
|----|--------|
| #1 | 284.02 |
| #2 | 267.88 |
| #3 | 259.32 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3334.2 | 34235. | 3579.1 | 14.889 | 3334.7 |
| Stddev    | 4.6    | 104.   | 45.9   | 1.352  | 3.2    |
| %RSD      | .13875 | .30376 | 1.2811 | 9.0833 | .09546 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3339.2 | 34130. | 3561.6 | 15.157 | 3337.9 |
| #2 | 3330.2 | 34236. | 3544.6 | 13.423 | 3331.5 |
| #3 | 3333.1 | 34338. | 3631.2 | 16.088 | 3334.7 |

Sample Name: S4      Acquired: 2/18/2019 12:24:42      Type: Cal  
Method: P4-ICP2(v2872)      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    | .25838 | .56110 | 1.1764 | .32052 | .61694 | .09227 | 7.8993 | .27179 |
| Stddev | .00065 | .00224 | .0002  | .00057 | .00065 | .00058 | .0345  | .00115 |
| %RSD   | .25345 | .39963 | .01628 | .17746 | .10528 | .62888 | .43617 | .42476 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25913 | .56105 | 1.1764 | .32114 | .61646 | .09163 | 7.8597 | .27249 |
| #2 | .25808 | .55889 | 1.1766 | .32002 | .61768 | .09243 | 7.9224 | .27243 |
| #3 | .25793 | .56337 | 1.1763 | .32041 | .61668 | .09276 | 7.9158 | .27046 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 7.6362 | 1.3011 | .26750 | 2.9963 | .80347 | 1.5872 | 3.8079 | .20333 |
| Stddev | .0113  | .0103  | .00046 | .0028  | .00117 | .0025  | .0130  | .00198 |
| %RSD   | .14731 | .78961 | .17046 | .09241 | .14565 | .15541 | .33997 | .97276 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6324 | 1.2906 | .26710 | 2.9939 | .80231 | 1.5844 | 3.8143 | .20104 |
| #2 | 7.6274 | 1.3016 | .26800 | 2.9957 | .80345 | 1.5882 | 3.8164 | .20441 |
| #3 | 7.6489 | 1.3111 | .26740 | 2.9994 | .80465 | 1.5891 | 3.7930 | .20453 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.7444 | .41388 | 6.9923 | .62987 | 4.6677 | 2.2717 | 3.5051 | .22882 |
| Stddev | .0013  | .00081 | .0262  | .00072 | .0062  | .0196  | .0066  | .00279 |
| %RSD   | .07447 | .19650 | .37410 | .11487 | .13356 | .86123 | .18884 | 1.2201 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.7439 | .41376 | 6.9636 | .63006 | 4.6633 | 2.2598 | 3.5014 | .22565 |
| #2 | 1.7433 | .41313 | 7.0148 | .63047 | 4.6649 | 2.2943 | 3.5012 | .23088 |
| #3 | 1.7458 | .41474 | 6.9985 | .62907 | 4.6748 | 2.2611 | 3.5127 | .22994 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .03630 | 2.5718 | 1.1833 | 1.0130 | 6.1181 | .5317  | 56.559 | 2771.0 |
| Stddev | .00026 | .0047  | .0032  | .0030  | .0210  | .0014  | .203   | 27.5   |
| %RSD   | .70941 | .18154 | .26654 | .29969 | .34246 | .2595  | .35860 | .99075 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .03613 | 2.5666 | 1.1816 | 1.0096 | 6.0942 | .5306 | 56.327 | 2775.7 |
| #2 | .03617 | 2.5730 | 1.1814 | 1.0141 | 6.1334 | .5311 | 56.706 | 2795.8 |
| #3 | .03659 | 2.5757 | 1.1870 | 1.0154 | 6.1268 | .5332 | 56.642 | 2741.5 |

Sample Name: S4      Acquired: 2/18/2019 12:24:42      Type: Cal  
 Method: P4-ICP2(v2872)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | Cts/S  |
| Avg    | 286.35 |
| Stddev | 3.46   |
| %RSD   | 1.2099 |

|    |        |
|----|--------|
| #1 | 289.30 |
| #2 | 287.22 |
| #3 | 282.53 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3225.8 | 33336. | 3530.5 | 14.771 | 3141.3 |
| Stddev    | 7.0    | 38.    | 4.5    | 1.261  | 5.3    |
| %RSD      | .21733 | .11521 | .12809 | 8.5401 | .16911 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3230.7 | 33365. | 3534.9 | 14.733 | 3146.3 |
| #2 | 3217.8 | 33293. | 3525.9 | 16.051 | 3135.7 |
| #3 | 3229.1 | 33351. | 3530.6 | 13.528 | 3141.9 |

Sample Name: S5      Acquired: 2/18/2019 12:28:42      Type: Cal  
Method: P4-ICP2(v2872)      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    | .52807 | 1.1398 | 2.4113 | .65328 | 1.2570 | .18909 | 16.194 | .55319 |
| Stddev | .00225 | .0026  | .0032  | .00136 | .0034  | .00062 | .043   | .00102 |
| %RSD   | .42577 | .22652 | .13453 | .20892 | .27018 | .32748 | .26543 | .18355 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53059 | 1.1427 | 2.4144 | .65478 | 1.2608 | .18933 | 16.146 | .55255 |
| #2 | .52733 | 1.1391 | 2.4116 | .65294 | 1.2559 | .18839 | 16.228 | .55436 |
| #3 | .52628 | 1.1377 | 2.4079 | .65211 | 1.2543 | .18956 | 16.208 | .55266 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 15.774 | 2.6340 | .54234 | 6.2023 | 1.6032 | 3.1635 | 7.6725 | .41139 |
| Stddev | .032   | .0152  | .00084 | .0083  | .0059  | .0114  | .0117  | .00311 |
| %RSD   | .20546 | .57693 | .15530 | .13467 | .36968 | .35875 | .15251 | .75583 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.811 | 2.6169 | .54329 | 6.2114 | 1.6099 | 3.1505 | 7.6778 | .40781 |
| #2 | 15.753 | 2.6389 | .54168 | 6.1949 | 1.6011 | 3.1694 | 7.6806 | .41339 |
| #3 | 15.757 | 2.6461 | .54205 | 6.2006 | 1.5986 | 3.1707 | 7.6591 | .41297 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.5890 | .84358 | 14.424 | 1.2917 | 9.7302 | 4.8011 | 7.0916 | .46536 |
| Stddev | .0052  | .00216 | .032   | .0022  | .0145  | .0197  | .0218  | .00531 |
| %RSD   | .14427 | .25592 | .21970 | .17398 | .14922 | .40981 | .30793 | 1.1401 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5948 | .84606 | 14.399 | 1.2925 | 9.7469 | 4.7791 | 7.1160 | .45938 |
| #2 | 3.5850 | .84211 | 14.460 | 1.2934 | 9.7209 | 4.8170 | 7.0850 | .46723 |
| #3 | 3.5871 | .84257 | 14.414 | 1.2891 | 9.7227 | 4.8073 | 7.0739 | .46949 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .07662 | 5.2641 | 2.4417 | 2.0645 | 12.555 | 1.127  | 115.06 | 2638.7 |
| Stddev | .00026 | .0396  | .0045  | .0095  | .066   | .002   | .18    | 17.6   |
| %RSD   | .34262 | .75154 | .18237 | .45930 | .52353 | .1738  | .15810 | .66815 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .07632 | 5.2220 | 2.4462 | 2.0539 | 12.479 | 1.130 | 114.88 | 2624.3 |
| #2 | .07671 | 5.3006 | 2.4373 | 2.0673 | 12.586 | 1.126 | 115.24 | 2658.4 |
| #3 | .07682 | 5.2697 | 2.4416 | 2.0722 | 12.600 | 1.126 | 115.08 | 2633.3 |

Sample Name: S5      Acquired: 2/18/2019 12:28:42      Type: Cal  
Method: P4-ICP2(v2872)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | Cts/S  |
| Avg    | 327.55 |
| Stddev | 2.84   |
| %RSD   | .86728 |

|    |        |
|----|--------|
| #1 | 325.20 |
| #2 | 326.73 |
| #3 | 330.70 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3137.2 | 32383. | 3471.7 | 14.417 | 2961.2 |
| Stddev    | 11.2   | 121.   | 13.0   | 1.043  | 6.8    |
| %RSD      | .35820 | .37395 | .37563 | 7.2320 | .23077 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3124.2 | 32246. | 3477.1 | 13.255 | 2954.3 |
| #2 | 3143.8 | 32425. | 3456.9 | 15.271 | 2967.9 |
| #3 | 3143.6 | 32478. | 3481.2 | 14.725 | 2961.5 |

Sample Name: ICV01      Acquired: 2/18/2019 12:32:48      Type: Unk  
Method: P4-ICP2(v2872)      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   | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | 1.0288 | 1.0440 | 1.0268 | 1.0412   | 1.0301   | 2.5756 | .51178   | .50485   |
| Stddev | .0046  | .0026  | .0006  | .0067    | .0048    | .0220  | .00492   | .00200   |
| %RSD   | .45121 | .25147 | .05338 | .64356   | .46536   | .85412 | .96117   | .39618   |
| #1     | 1.0235 | 1.0469 | 1.0263 | 1.0335   | 1.0290   | 2.5544 | .51357   | .50665   |
| #2     | 1.0321 | 1.0418 | 1.0274 | 1.0458   | 1.0353   | 2.5741 | .51556   | .50519   |
| #3     | 1.0309 | 1.0433 | 1.0267 | 1.0442   | 1.0259   | 2.5983 | .50622   | .50270   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286   | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | .49840 | 10.367 | .51281 | .50692   | .51187   | 5.2948 | .52174   | 6.1646   |
| Stddev | .00138 | .055   | .00258 | .00082   | .00185   | .0459  | .00231   | .0368    |
| %RSD   | .27669 | .53393 | .50222 | .16228   | .36193   | .86756 | .44197   | .59641   |
| #1     | .49776 | 10.374 | .51409 | .50666   | .51068   | 5.2929 | .52373   | 6.1922   |
| #2     | .49745 | 10.419 | .51449 | .50784   | .51401   | 5.3416 | .52227   | 6.1787   |
| #3     | .49998 | 10.308 | .50984 | .50626   | .51093   | 5.2498 | .51921   | 6.1229   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924   | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | .51060 | .51047 | 10.042 | .51170   | .98882   | 10.262 | F 2.6420 | F 2.6491 |
| Stddev | .00072 | .00183 | .039   | .00273   | .00332   | .029   | .0108    | .0345    |
| %RSD   | .14084 | .35784 | .39021 | .53420   | .33589   | .28437 | .40741   | 1.3034   |
| #1     | .51136 | .51218 | 10.033 | .51442   | .98651   | 10.238 | 2.6299   | 2.6575   |
| #2     | .50993 | .51070 | 10.085 | .51174   | .98733   | 10.294 | 2.6504   | 2.6786   |
| #3     | .51053 | .50854 | 10.008 | .50895   | .99263   | 10.253 | 2.6458   | 2.6111   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361   | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.4455 | 2.5510 | 2.5949 | F 2.6581 | F 2.6851 | 2.525  | F 2.7448 | F 1.8014 |
| Stddev | .0314  | .0194  | .0035  | .0157    | .0086    | .002   | .0089    | .1625    |
| %RSD   | 1.2825 | .75921 | .13589 | .59079   | .32196   | .0908  | .32622   | 9.0183   |
| #1     | 2.4095 | 2.5588 | 2.5988 | 2.6469   | 2.6762   | 2.527  | 2.7411   | 1.8806   |
| #2     | 2.4664 | 2.5652 | 2.5919 | 2.6761   | 2.6934   | 2.523  | 2.7550   | 1.9091   |
| #3     | 2.4607 | 2.5289 | 2.5941 | 2.6514   | 2.6859   | 2.526  | 2.7383   | 1.6145   |

Sample Name: ICV01      Acquired: 2/18/2019 12:32:48      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 6.6364  
Stddev      .3759  
%RSD      5.6634

#1      6.3964  
#2      6.4434  
#3      7.0696

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3304.3 | 34200. | 3583.5 | 14.698 | 3337.0 |
| Stddev    | 11.1   | 165.   | 25.8   | .926   | 4.6    |
| %RSD      | .33492 | .48285 | .71887 | 6.3018 | .13897 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3315.3 | 34049. | 3574.0 | 14.068 | 3336.4 |
| #2 | 3293.2 | 34176. | 3563.8 | 14.265 | 3341.9 |
| #3 | 3304.5 | 34376. | 3612.6 | 15.761 | 3332.7 |

Sample Name: LLICV01      Acquired: 2/18/2019 12:40:33      Type: Unk  
Method: P4-ICP2(v2872)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02018 | .04301 | .01266 | .01957 | .05310 | .10069 | .09499 |
| Stddev | .00256 | .00046 | .00044 | .00167 | .00058 | .00893 | .00301 |
| %RSD   | 12.663 | 1.0685 | 3.5019 | 8.5441 | 1.0847 | 8.8710 | 3.1738 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02269 | .04308 | .01307 | .02111 | .05350 | .09658 | .09156 |
| #2 | .02026 | .04252 | .01219 | .01779 | .05244 | .11094 | .09619 |
| #3 | .01759 | .04343 | .01273 | .01980 | .05336 | .09456 | .09722 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00584 | .00539 | 1.9874 | .00993 | .03105 | .02068 | .10468 |
| Stddev | .00012 | .00002 | .0106  | .00036 | .00020 | .00010 | .00500 |
| %RSD   | 1.9988 | .28355 | .53316 | 3.5854 | .64020 | .47788 | 4.7783 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00597 | .00540 | 1.9803 | .00952 | .03121 | .02058 | .11037 |
| #2 | .00575 | .00537 | 1.9996 | .01015 | .03112 | .02078 | .10097 |
| #3 | .00579 | .00540 | 1.9823 | .01012 | .03083 | .02068 | .10270 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02104 | 2.1117 | .04097 | .00938 | 1.8593 | .04227 | .04206 |
| Stddev | .00002 | .0473  | .00016 | .00032 | .0316  | .00016 | .00010 |
| %RSD   | .11379 | 2.2401 | .38879 | 3.3739 | 1.6993 | .37299 | .24513 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02102 | 2.0741 | .04100 | .00938 | 1.8947 | .04243 | .04194 |
| #2 | .02103 | 2.0961 | .04080 | .00970 | 1.8493 | .04212 | .04214 |
| #3 | .02107 | 2.1648 | .04111 | .00907 | 1.8339 | .04225 | .04209 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 1.9770 | .19995 | .09107 | F -.13312 | .43735 | .04090 | .03542 |
| Stddev | .0424  | .00094 | .00688 | .01730    | .00939 | .00022 | .00266 |
| %RSD   | 2.1468 | .47246 | 7.5592 | 12.993    | 2.1462 | .52795 | 7.5208 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.0167 | .19892 | .09507 | -.14174 | .44391 | .04111 | .03642 |
| #2 | 1.9818 | .20077 | .09501 | -.14442 | .42660 | .04089 | .03240 |
| #3 | 1.9323 | .20018 | .08312 | -.11321 | .44154 | .04068 | .03744 |

Sample Name: LLICV01      Acquired: 2/18/2019 12:40:33      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .01943 | .0175  | .01919 | F 1.0110 | F<.00000 |
| Stddev    | .00166 | .0010  | .00007 | .3595    | .08002   |
| %RSD      | 8.5443 | 5.763  | .35203 | 35.565   | 16.534   |
| #1        | .02132 | .0168  | .01925 | .60982   | -.39312  |
| #2        | .01875 | .0170  | .01912 | 1.3042   | -.51462  |
| #3        | .01822 | .0186  | .01919 | 1.1189   | -.54407  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3361.9 | 34847. | 3601.9 | 16.547   | 3517.5   |
| Stddev    | 13.4   | 161.   | 60.0   | 1.369    | 10.8     |
| %RSD      | .39874 | .46311 | 1.6669 | 8.2759   | .30663   |
| #1        | 3348.2 | 34980. | 3551.0 | 15.375   | 3506.5   |
| #2        | 3375.0 | 34667. | 3668.1 | 16.214   | 3528.0   |
| #3        | 3362.3 | 34893. | 3586.5 | 18.052   | 3518.1   |

Sample Name: ICB01      Acquired: 2/18/2019 12:44:58      Type: Unk  
Method: P4-ICP2(v2872)      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  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00235 | .00070 | -.00081 | -.00056 | -.00125 | .00300 | -.00359 |
| Stddev | .00238 | .00128 | .00061  | .00310  | .00138  | .01549 | .00693  |
| %RSD   | 101.21 | 182.02 | 75.100  | 555.03  | 110.27  | 516.20 | 193.18  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00340  | .00218  | -.00043 | -.00209 | -.00167 | .00916  | -.00425 |
| #2 | .00404  | -.00008 | -.00151 | -.00259 | .00029  | .01447  | .00365  |
| #3 | -.00037 | .00001  | -.00048 | .00301  | -.00237 | -.01462 | -.01017 |

|        |         |         |         |        |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00006 | -.00003 | -.00449 | .00006 | -.00026 | -.00047 | -.00023 |
| Stddev | .00004  | .00009  | .00849  | .00045 | .00007  | .00058  | .00109  |
| %RSD   | 66.267  | 335.51  | 188.92  | 697.81 | 26.722  | 123.22  | 480.07  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00004 | -.00007 | -.00099 | .00049  | -.00019 | -.00113 | .00103  |
| #2 | -.00004 | .00008  | -.01418 | -.00041 | -.00026 | -.00002 | -.00082 |
| #3 | -.00010 | -.00010 | .00168  | .00012  | -.00034 | -.00026 | -.00089 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00015 | .02169 | -.00003 | -.00010 | -.16584 | .00042 | -.00006 |
| Stddev | .00000  | .06091 | .00029  | .00039  | .00050  | .00030 | .00005  |
| %RSD   | 1.6616  | 280.74 | 989.96  | 399.78  | .29900  | 72.254 | 76.773  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00016 | .05928  | -.00010 | -.00032 | -.16641 | .00060 | -.00011 |
| #2 | -.00015 | -.04858 | .00029  | -.00033 | -.16557 | .00007 | -.00001 |
| #3 | -.00015 | .05438  | -.00028 | .00035  | -.16554 | .00058 | -.00006 |

|        |        |         |        |           |        |         |         |
|--------|--------|---------|--------|-----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm       | ppm    | ppm     | ppm     |
| Avg    | .02999 | -.00008 | .00044 | F -.15234 | .00210 | -.00023 | -.00426 |
| Stddev | .03121 | .00017  | .00423 | .01162    | .00216 | .00032  | .00206  |
| %RSD   | 104.08 | 213.27  | 972.28 | 7.6255    | 102.76 | 141.33  | 48.214  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00528 | -.00015 | -.00444 | -.16554 | .00362  | -.00040 | -.00402 |
| #2 | .04120  | -.00020 | .00257  | -.14785 | .00306  | -.00044 | -.00643 |
| #3 | .05404  | .00011  | .00317  | -.14364 | -.00037 | .00014  | -.00234 |

Sample Name: ICB01      Acquired: 2/18/2019 12:44:58      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |         |          |          |
|-----------|---------|--------|---------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg       | -.00518 | -.0007 | -.00003 | F .82647 | F<.00000 |
| Stddev    | .00052  | .0004  | .00003  | .27921   | .82978   |
| %RSD      | 9.9864  | 49.88  | 93.832  | 33.784   | 84.847   |
| #1        | -.00463 | -.0004 | -.00007 | 1.1092   | -1.1458  |
| #2        | -.00525 | -.0011 | -.00003 | .81934   | -1.7110  |
| #3        | -.00566 | -.0006 | -.00000 | .55089   | -.07712  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3381.0  | 35092. | 3646.0  | 16.233   | 3548.3   |
| Stddev    | 17.3    | 157.   | 32.8    | .957     | 3.1      |
| %RSD      | .51201  | .44762 | .90045  | 5.8945   | .08805   |
| #1        | 3373.3  | 34922. | 3636.0  | 15.273   | 3549.8   |
| #2        | 3368.8  | 35124. | 3682.7  | 17.186   | 3550.4   |
| #3        | 3400.8  | 35231. | 3619.4  | 16.239   | 3544.7   |

Sample Name: CRI01      Acquired: 2/18/2019 12:49:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | .02082 | .04293 | .01227 | .01577 | .05292 | .08707 | .09183 |
| Stddev | .00273 | .00096 | .00061 | .00342 | .00031 | .00192 | .00138 |
| %RSD   | 13.134 | 2.2339 | 5.0073 | 21.701 | .58977 | 2.1999 | 1.5005 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01977 | .04279 | .01239 | .01895 | .05324 | .08601 | .09029 |
| #2 | .01876 | .04395 | .01160 | .01215 | .05290 | .08592 | .09225 |
| #3 | .02392 | .04205 | .01281 | .01620 | .05261 | .08928 | .09295 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00584 | .00546 | 1.9650 | .01017 | .03058 | .02005 | .10373 |
| Stddev | .00001 | .00008 | .0202  | .00018 | .00040 | .00031 | .00081 |
| %RSD   | .23189 | 1.5105 | 1.0289 | 1.7770 | 1.3187 | 1.5682 | .78262 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00585 | .00555 | 1.9416 | .01008 | .03091 | .02036 | .10454 |
| #2 | .00583 | .00544 | 1.9768 | .01037 | .03069 | .02005 | .10373 |
| #3 | .00584 | .00539 | 1.9764 | .01005 | .03013 | .01973 | .10291 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02105 | 2.0718 | .04011 | .00924 | 1.7929 | .04203 | .04132 |
| Stddev | .00010 | .0606  | .00047 | .00035 | .0107  | .00012 | .00051 |
| %RSD   | .46029 | 2.9234 | 1.1798 | 3.7388 | .59569 | .28836 | 1.2330 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02097 | 2.0019 | .04051 | .00891 | 1.8035 | .04189 | .04171 |
| #2 | .02116 | 2.1046 | .04023 | .00921 | 1.7931 | .04211 | .04150 |
| #3 | .02103 | 2.1089 | .03958 | .00960 | 1.7822 | .04210 | .04074 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 1.9653 | .19749 | .10146 | F -.13695 | .42673 | .03992 | .03829 |
| Stddev | .0310  | .00222 | .00123 | .00529    | .00216 | .00039 | .00116 |
| %RSD   | 1.5785 | 1.1260 | 1.2138 | 3.8612    | .50705 | .97000 | 3.0377 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9490 | .19917 | .10216 | -.14305 | .42642 | .04037 | .03949 |
| #2 | 2.0011 | .19832 | .10219 | -.13368 | .42903 | .03968 | .03717 |
| #3 | 1.9459 | .19496 | .10004 | -.13412 | .42473 | .03972 | .03822 |

Sample Name: CRI01      Acquired: 2/18/2019 12:49:25      Type: Unk  
Method: P4-ICP2(v2872)      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       | <span style="color: red;">F</span> .01177 | .0183  | .01901 | <span style="color: red;">F</span> .92453 | .02121  |
| Stddev    | .00052                                    | .0007  | .00010 | .16393                                    | .31851  |
| %RSD      | 4.4385                                    | 3.956  | .53355 | 17.731                                    | 1501.6  |
| #1        | .01155                                    | .0188  | .01912 | .90378                                    | .33165  |
| #2        | .01140                                    | .0185  | .01892 | 1.0978                                    | .03677  |
| #3        | .01237                                    | .0174  | .01899 | .77196                                    | -.30479 |
| Int. Std. | Y_2243                                    | Y_3600 | Y_3710 | In2306                                    | In2306  |
| Units     | Cts/S                                     | Cts/S  | Cts/S  | Cts/S                                     | Cts/S   |
| Avg       | 3391.1                                    | 35046. | 3657.7 | 15.220                                    | 3546.1  |
| Stddev    | 22.2                                      | 136.   | 20.4   | 1.518                                     | 11.4    |
| %RSD      | .65447                                    | .38682 | .55664 | 9.9750                                    | .32152  |
| #1        | 3380.6                                    | 35077. | 3634.3 | 14.345                                    | 3536.7  |
| #2        | 3376.1                                    | 34898. | 3671.1 | 16.973                                    | 3542.8  |
| #3        | 3416.6                                    | 35164. | 3667.8 | 14.341                                    | 3558.8  |

Sample Name: ICSA01      Acquired: 2/18/2019 12:53:51      Type: Unk  
Method: P4-ICP2(v2872)      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 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00996 | .00001 | -.00762 | -.00228 | -.00917 | 287.49 | .00279 |
| Stddev | .00133  | .00254 | .00146  | .00418  | .00036  | 1.38   | .00469 |
| %RSD   | 13.375  | 17818. | 19.178  | 183.44  | 3.9326  | .48032 | 167.99 |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.01003 | -.00176 | -.00646 | -.00710 | -.00891 | 286.03 | .00415  |
| #2 | -.01126 | .00292  | -.00715 | .00024  | -.00958 | 287.66 | .00666  |
| #3 | -.00860 | -.00111 | -.00926 | .00003  | -.00903 | 288.78 | -.00243 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00009 | -.00409 | 255.44 | .05961 | -.00066 | .00286 | 95.800 |
| Stddev | .00021  | .00013  | .89    | .00039 | .00008  | .00032 | 1.009  |
| %RSD   | 231.51  | 3.0970  | .34778 | .64741 | 12.770  | 11.317 | 1.0535 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00028 | -.00423 | 256.04 | .05988 | -.00069 | .00277 | 96.807 |
| #2 | -.00013 | -.00403 | 254.42 | .05978 | -.00057 | .00259 | 95.804 |
| #3 | .00013  | -.00400 | 255.86 | .05917 | -.00074 | .00322 | 94.788 |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .01608 | 269.12 | -.00016 | -.00360 | -.08412 | .00175 | -.01345 |
| Stddev | .00014 | .52    | .00046  | .00046  | .01436  | .00080 | .00009  |
| %RSD   | .84624 | .19289 | 298.06  | 12.874  | 17.065  | 45.516 | .69274  |

|    |        |        |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|--------|---------|
| #1 | .01593 | 269.28 | -.00061 | -.00351 | -.09978 | .00228 | -.01352 |
| #2 | .01619 | 268.54 | -.00018 | -.00319 | -.07158 | .00213 | -.01349 |
| #3 | .01613 | 269.54 | .00032  | -.00410 | -.08101 | .00083 | -.01335 |

|        |        |        |         |           |         |        |         |
|--------|--------|--------|---------|-----------|---------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm     | ppm    | ppm     |
| Avg    | .10335 | .00116 | -.04562 | F -.05625 | -.00442 | .01015 | -.01372 |
| Stddev | .04033 | .00042 | .00536  | .05728    | .00213  | .00060 | .00220  |
| %RSD   | 39.026 | 35.657 | 11.739  | 101.82    | 48.052  | 5.8995 | 16.030  |

|    |        |        |         |         |         |        |         |
|----|--------|--------|---------|---------|---------|--------|---------|
| #1 | .13403 | .00135 | -.04352 | -.06729 | -.00213 | .01078 | -.01137 |
| #2 | .05767 | .00069 | -.04164 | -.10721 | -.00633 | .01008 | -.01572 |
| #3 | .11835 | .00146 | -.05171 | .00574  | -.00481 | .00959 | -.01408 |

Sample Name: ICSA01      Acquired: 2/18/2019 12:53:51      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|           |                                           |        |        |        |        |
|-----------|-------------------------------------------|--------|--------|--------|--------|
| Elem      | Li6707                                    | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units     | ppm                                       | ppm    | ppm    | ppm    | ppm    |
| Avg       | <span style="color: red;">F</span> .02358 | .0003  | .00145 | 5.1951 | 169.71 |
| Stddev    | .00154                                    | .0019  | .00085 | .3048  | 2.01   |
| %RSD      | 6.5488                                    | 713.4  | 59.022 | 5.8666 | 1.1860 |
| #1        | .02319                                    | .0019  | .00046 | 5.5037 | 169.03 |
| #2        | .02227                                    | -.0018 | .00194 | 5.1872 | 171.98 |
| #3        | .02528                                    | .0007  | .00194 | 4.8944 | 168.13 |
| Int. Std. | Y_2243                                    | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S                                     | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2939.8                                    | 29993. | 3427.5 | 14.327 | 2781.7 |
| Stddev    | 12.5                                      | 64.    | 26.4   | 1.296  | 6.0    |
| %RSD      | .42578                                    | .21431 | .77129 | 9.0461 | .21736 |
| #1        | 2927.3                                    | 29935. | 3398.4 | 14.438 | 2777.1 |
| #2        | 2939.8                                    | 29983. | 3434.1 | 12.979 | 2779.4 |
| #3        | 2952.4                                    | 30062. | 3450.1 | 15.564 | 2788.6 |

Sample Name: ICSAB01      Acquired: 2/18/2019 13:18:39      Type: Unk  
Method: P4-ICP2(v2872)      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    | .09631 | .08849 | .04923   | .04919 | .63172   | 279.43 | .51574 | .55829 |
| Stddev | .00342 | .00278 | .00114   | .00231 | .00258   | .53    | .00795 | .00102 |
| %RSD   | 3.5509 | 3.1433 | 2.3127   | 4.7027 | .40806   | .19086 | 1.5419 | .18316 |
| #1     | .10020 | .08644 | .05054   | .04757 | .63371   | 280.04 | .50656 | .55747 |
| #2     | .09497 | .08738 | .04854   | .04816 | .63264   | 279.13 | .52000 | .55944 |
| #3     | .09377 | .09166 | .04861   | .05184 | .62881   | 279.11 | .52064 | .55795 |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 1.0258 | 248.41 | .57738   | .51370 | .51452   | 93.567 | .54065 | 261.58 |
| Stddev | .0037  | 1.94   | .00213   | .00056 | .00062   | .991   | .00173 | 2.18   |
| %RSD   | .36207 | .78189 | .36927   | .10896 | .11975   | 1.0592 | .32033 | .83360 |
| #1     | 1.0217 | 246.17 | .57628   | .51341 | .51522   | 92.425 | .53876 | 259.12 |
| #2     | 1.0289 | 249.51 | .57984   | .51334 | .51407   | 94.190 | .54215 | 262.32 |
| #3     | 1.0267 | 249.55 | .57602   | .51434 | .51426   | 94.088 | .54106 | 263.29 |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 1.0065 | .18518 | -.07368  | .51239 | 1.0754   | .17630 | 1.1836 | 1.1530 |
| Stddev | .0010  | .00178 | .01807   | .00294 | .0030    | .02403 | .0009  | .0103  |
| %RSD   | .09844 | .96050 | 24.529   | .57395 | .27852   | 13.631 | .07337 | .89053 |
| #1     | 1.0073 | .18378 | -.07251  | .50900 | 1.0719   | .20134 | 1.1846 | 1.1558 |
| #2     | 1.0067 | .18718 | -.09231  | .51397 | 1.0774   | .17414 | 1.1833 | 1.1416 |
| #3     | 1.0054 | .18458 | -.05622  | .51420 | 1.0768   | .15342 | 1.1830 | 1.1615 |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 1.1256 | 1.0607 | F 1.2011 | 1.1786 | F 1.2036 | 1.124  | 1.1424 | 5.5517 |
| Stddev | .0173  | .0146  | .0019    | .0067  | .0059    | .003   | .0069  | .2664  |
| %RSD   | 1.5391 | 1.3771 | .15946   | .57036 | .48972   | .2428  | .60440 | 4.7984 |
| #1     | 1.1313 | 1.0439 | 1.1996   | 1.1713 | 1.1970   | 1.127  | 1.1345 | 5.4650 |
| #2     | 1.1062 | 1.0698 | 1.2033   | 1.1798 | 1.2085   | 1.122  | 1.1456 | 5.8507 |
| #3     | 1.1394 | 1.0685 | 1.2005   | 1.1846 | 1.2053   | 1.122  | 1.1472 | 5.3395 |

Sample Name: ICSAB01      Acquired: 2/18/2019 13:18:39      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 164.13 |
| Stddev | .93    |
| %RSD   | .56546 |

|    |        |
|----|--------|
| #1 | 163.16 |
| #2 | 165.01 |
| #3 | 164.21 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2906.5 | 29880. | 3412.3 | 13.944 | 2754.6 |
| Stddev    | 5.7    | 42.    | 23.4   | 1.181  | 7.7    |
| %RSD      | .19775 | .13969 | .68706 | 8.4663 | .27820 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2912.9 | 29832. | 3437.4 | 12.658 | 2763.3 |
| #2 | 2901.7 | 29900. | 3408.4 | 14.978 | 2751.5 |
| #3 | 2905.0 | 29907. | 3391.0 | 14.197 | 2748.9 |

Sample Name: CCV01      Acquired: 2/18/2019 13:22:55      Type: Unk  
Method: P4-ICP2(v2872)      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    | 4.9501 | 4.9301 | 4.9040 | 4.9581 | 4.9761 | 9.7952 | 9.5503 | .24880   |
| Stddev | .0156  | .0103  | .0134  | .0071  | .0101  | .1599  | .0647  | .00038   |
| %RSD   | .31565 | .20928 | .27271 | .14406 | .20319 | 1.6324 | .67764 | .15101   |
| #1     | 4.9681 | 4.9281 | 4.9125 | 4.9663 | 4.9867 | 9.7339 | 9.6250 | .24867   |
| #2     | 4.9397 | 4.9210 | 4.8885 | 4.9535 | 4.9666 | 9.6751 | 9.5144 | .24850   |
| #3     | 4.9425 | 4.9413 | 4.9108 | 4.9545 | 4.9751 | 9.9767 | 9.5114 | .24922   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4473 | 24.230 | .98610 | 2.4606 | 1.2399 | 4.9501 | 2.4918 | 24.309   |
| Stddev | .0055  | .146   | .00260 | .0036  | .0035  | .0593  | .0052  | .153     |
| %RSD   | .22280 | .60053 | .26413 | .14466 | .28491 | 1.1981 | .20994 | .62791   |
| #1     | 2.4483 | 24.397 | .98908 | 2.4614 | 1.2421 | 5.0153 | 2.4964 | 24.388   |
| #2     | 2.4414 | 24.131 | .98424 | 2.4567 | 1.2358 | 4.9355 | 2.4861 | 24.133   |
| #3     | 2.4522 | 24.161 | .98498 | 2.4637 | 1.2417 | 4.8994 | 2.4929 | 24.406   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4321 | 1.2108 | 23.756 | 2.4148 | 2.4422 | 23.654 | 4.8869 | 4.8340   |
| Stddev | .0076  | .0023  | .173   | .0038  | .0042  | .220   | .0119  | .0021    |
| %RSD   | .31027 | .19142 | .72867 | .15604 | .17171 | .92810 | .24331 | .04233   |
| #1     | 2.4325 | 1.2130 | 23.956 | 2.4186 | 2.4416 | 23.903 | 4.8915 | 4.8364   |
| #2     | 2.4244 | 1.2084 | 23.661 | 2.4149 | 2.4383 | 23.571 | 4.8733 | 4.8327   |
| #3     | 2.4395 | 1.2109 | 23.651 | 2.4110 | 2.4467 | 23.489 | 4.8957 | 4.8329   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7912 | 4.7557 | 4.8147 | 4.8608 | 4.8014 | 4.839  | 4.8969 | F 3.4773 |
| Stddev | .0174  | .0551  | .0142  | .0217  | .0345  | .004   | .0261  | .2345    |
| %RSD   | .36392 | 1.1587 | .29472 | .44614 | .71748 | .0846  | .53190 | 6.7443   |
| #1     | 4.7712 | 4.8005 | 4.8052 | 4.8819 | 4.8395 | 4.844  | 4.9267 | 3.7481   |
| #2     | 4.8028 | 4.7725 | 4.8078 | 4.8386 | 4.7920 | 4.836  | 4.8854 | 3.3380   |
| #3     | 4.7997 | 4.6942 | 4.8310 | 4.8619 | 4.7726 | 4.838  | 4.8786 | 3.3458   |

Sample Name: CCV01      Acquired: 2/18/2019 13:22:55      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3215  
Stddev      .2160  
%RSD      9.3065

#1      2.4199  
#2      2.0738  
#3      2.4709

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3184.2 | 33040. | 3560.8 | 15.147 | 3115.4 |
| Stddev    | 8.4    | 140.   | 43.9   | .915   | 4.7    |
| %RSD      | .26523 | .42225 | 1.2325 | 6.0405 | .15203 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.4 | 32891. | 3514.3 | 14.102 | 3111.0 |
| #2 | 3189.2 | 33167. | 3566.6 | 15.536 | 3120.4 |
| #3 | 3189.0 | 33062. | 3601.5 | 15.803 | 3114.9 |

Sample Name: LLCCV01      Acquired: 2/18/2019 13:26:54      Type: Unk  
Method: P4-ICP2(v2872)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02076 | .04359 | .01338 | .01812 | .05331 | .10081 | .09994 |
| Stddev | .00113 | .00102 | .00022 | .00236 | .00154 | .01101 | .00478 |
| %RSD   | 5.4556 | 2.3466 | 1.6683 | 13.017 | 2.8943 | 10.919 | 4.7839 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02201 | .04473 | .01316 | .02028 | .05237 | .08885 | .10521 |
| #2 | .02046 | .04274 | .01337 | .01849 | .05246 | .11052 | .09872 |
| #3 | .01981 | .04331 | .01361 | .01560 | .05509 | .10304 | .09589 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00596 | .00554 | 1.9823 | .01022 | .03139 | .02106 | .10412 |
| Stddev | .00006 | .00016 | .0223  | .00027 | .00007 | .00071 | .00094 |
| %RSD   | 1.0298 | 2.8396 | 1.1274 | 2.6506 | .22532 | 3.3870 | .90448 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00603 | .00571 | 1.9646 | .01046 | .03137 | .02159 | .10520 |
| #2 | .00595 | .00548 | 1.9749 | .00993 | .03133 | .02134 | .10348 |
| #3 | .00591 | .00542 | 2.0075 | .01029 | .03146 | .02025 | .10368 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02154 | 2.0526 | .04096 | .01040 | 1.7902 | .04182 | .04265 |
| Stddev | .00010 | .0128  | .00026 | .00049 | .0093  | .00056 | .00018 |
| %RSD   | .45706 | .62264 | .63119 | 4.6992 | .52131 | 1.3436 | .42358 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02145 | 2.0578 | .04069 | .01058 | 1.7821 | .04119 | .04250 |
| #2 | .02165 | 2.0620 | .04099 | .01078 | 1.7882 | .04198 | .04285 |
| #3 | .02153 | 2.0381 | .04120 | .00985 | 1.8004 | .04228 | .04261 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 1.9292 | .20074 | .10679 | F -.11351 | .42987 | .04122 | .03554 |
| Stddev | .0555  | .00032 | .01098 | .02759    | .00284 | .00060 | .00078 |
| %RSD   | 2.8766 | .16182 | 10.278 | 24.306    | .65983 | 1.4572 | 2.1954 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.8676 | .20111 | .11899 | -.08535 | .42698 | .04122 | .03640 |
| #2 | 1.9754 | .20058 | .09771 | -.14049 | .43265 | .04182 | .03535 |
| #3 | 1.9445 | .20053 | .10369 | -.11470 | .42999 | .04062 | .03488 |

Sample Name: LLCCV01      Acquired: 2/18/2019 13:26:54      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .01662 | .0184  | .01949 | F 1.8699 | F<.00000 |
| Stddev | .00242 | .0002  | .00014 | .1939    | .14792   |
| %RSD   | 14.543 | 1.259  | .73309 | 10.368   | 10.157   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01412 | .0182 | .01932 | 1.9434 | -1.5974 |
| #2 | .01895 | .0187 | .01957 | 2.0162 | -1.4695 |
| #3 | .01679 | .0183 | .01957 | 1.6500 | -1.3024 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3293.0 | 34152. | 3572.8 | 14.545 | 3456.5 |
| Stddev    | 4.6    | 45.    | 8.8    | 1.176  | 1.6    |
| %RSD      | .13944 | .13303 | .24640 | 8.0836 | .04510 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3292.8 | 34113. | 3582.5 | 13.189 | 3457.6 |
| #2 | 3297.7 | 34202. | 3570.7 | 15.266 | 3457.1 |
| #3 | 3288.6 | 34142. | 3565.3 | 15.182 | 3454.7 |

Sample Name: CCB01      Acquired: 2/18/2019 13:31:22      Type: Unk  
Method: P4-ICP2(v2872)      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  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00084 | .00138 | -.00044 | -.00095 | -.00133 | .00569 | -.00151 |
| Stddev | .00241 | .00081 | .00081  | .00258  | .00245  | .00905 | .00276  |
| %RSD   | 288.12 | 58.936 | 182.76  | 272.19  | 183.98  | 159.09 | 183.12  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00184 | .00232 | .00008  | -.00102 | -.00112 | -.00475 | .00047  |
| #2 | .00150  | .00097 | -.00137 | -.00350 | .00100  | .01131  | -.00033 |
| #3 | .00285  | .00085 | -.00003 | .00167  | -.00389 | .01051  | -.00467 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00001 | -.00008 | -.01644 | -.00005 | -.00015 | -.00053 | .00084 |
| Stddev | .00009  | .00007  | .03237  | .00018  | .00011  | .00056  | .00244 |
| %RSD   | 925.76  | 87.068  | 196.87  | 394.67  | 73.545  | 105.16  | 289.93 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00007  | -.00014 | .01749  | -.00009 | -.00004 | -.00047 | -.00082 |
| #2 | -.00001 | -.00010 | -.01984 | -.00020 | -.00014 | -.00112 | -.00029 |
| #3 | -.00010 | -.00000 | -.04698 | .00016  | -.00027 | -.00000 | .00364  |

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00017 | .01890 | .00019 | -.00054 | -.18075 | .00059 | -.00061 |
| Stddev | .00007  | .02719 | .00002 | .00055  | .01742  | .00009 | .00011  |
| %RSD   | 39.273  | 143.87 | 12.786 | 101.22  | 9.6392  | 15.789 | 17.468  |

|    |         |        |        |         |         |        |         |
|----|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00022 | .05030 | .00020 | -.00105 | -.18808 | .00049 | -.00054 |
| #2 | -.00009 | .00331 | .00017 | -.00062 | -.19331 | .00059 | -.00057 |
| #3 | -.00019 | .00310 | .00022 | .00004  | -.16086 | .00068 | -.00073 |

|        |        |         |         |           |        |        |         |
|--------|--------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .02208 | -.00003 | -.00439 | F -.15670 | .00138 | .00019 | -.00541 |
| Stddev | .06076 | .00012  | .00480  | .01580    | .00259 | .00098 | .00100  |
| %RSD   | 275.23 | 423.28  | 109.27  | 10.085    | 187.60 | 512.04 | 18.444  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .07081  | -.00017 | -.00290 | -.16644 | .00113  | .00026  | -.00648 |
| #2 | .04143  | .00006  | -.00051 | -.13847 | .00408  | -.00082 | -.00450 |
| #3 | -.04601 | .00003  | -.00975 | -.16520 | -.00108 | .00113  | -.00526 |

Sample Name: CCB01      Acquired: 2/18/2019 13:31:22      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |          |          |
|--------|---------|--------|---------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm      | ppm      |
| Avg    | -.00804 | .0011  | -.00001 | F 2.3325 | F<.00000 |
| Stddev | .00105  | .0014  | .00011  | .2915    | .25578   |
| %RSD   | 13.031  | 128.5  | 1060.7  | 12.498   | 22.093   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00909 | .0018  | .00011  | 2.6265 | -1.4380 |
| #2 | -.00700 | -.0005 | -.00011 | 2.3276 | -.93682 |
| #3 | -.00804 | .0020  | -.00002 | 2.0435 | -1.0985 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3276.1 | 33958. | 3533.1 | 14.940 | 3467.2 |
| Stddev    | 10.3   | 151.   | 15.2   | .846   | 10.6   |
| %RSD      | .31434 | .44584 | .42953 | 5.6628 | .30667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3276.9 | 33784. | 3549.5 | 15.600 | 3473.1 |
| #2 | 3265.5 | 34037. | 3519.6 | 13.986 | 3454.9 |
| #3 | 3286.0 | 34054. | 3530.1 | 15.234 | 3473.6 |

Sample Name: LR CHECK 1      Acquired: 2/18/2019 13:35:20      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.17216 | -.09592 | -.13716 | -.89554 | -.05863 | 1977.9 | -.01079 | .02672 |
| Stddev | .00635  | .00545  | .01109  | .01103  | .00974  | 4.8    | .00148  | .00025 |
| %RSD   | 3.6912  | 5.6799  | 8.0858  | 1.2317  | 16.617  | .24123 | 13.691  | .94157 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.16824 | -.10035 | -.12921 | -.90386 | -.05213 | 1980.6 | -.01242 | .02651 |
| #2 | -.16876 | -.09757 | -.13244 | -.89972 | -.05394 | 1972.4 | -.01041 | .02700 |
| #3 | -.17950 | -.08983 | -.14983 | -.88303 | -.06983 | 1980.8 | -.00953 | .02665 |

|        |        |        |         |        |        |        |         |        |
|--------|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .08621 | 1748.9 | -.04719 | .09064 | 1.0981 | 851.01 | -.00340 | 1877.8 |
| Stddev | .00132 | 16.1   | .00023  | .00057 | .0063  | 1.16   | .00093  | 2.4    |
| %RSD   | 1.5354 | .92324 | .48947  | .62403 | .57294 | .13623 | 27.206  | .12615 |

|    |        |        |         |        |        |        |         |        |
|----|--------|--------|---------|--------|--------|--------|---------|--------|
| #1 | .08762 | 1748.5 | -.04745 | .09040 | 1.0998 | 849.73 | -.00290 | 1880.3 |
| #2 | .08601 | 1765.2 | -.04703 | .09023 | 1.1034 | 851.99 | -.00284 | 1875.6 |
| #3 | .08500 | 1732.9 | -.04708 | .09129 | 1.0912 | 851.31 | -.00447 | 1877.6 |

|        |        |         |        |        |        |        |         |         |
|--------|--------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | .12930 | -.18002 | 1773.9 | .00719 | .26109 | 1037.0 | -.00502 | -2.1163 |
| Stddev | .00124 | .00228  | 4.2    | .00049 | .00220 | 2.9    | .00072  | .0407   |
| %RSD   | .95850 | 1.2639  | .23650 | 6.8070 | .84198 | .27657 | 14.406  | 1.9249  |

|    |        |         |        |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|--------|---------|---------|
| #1 | .13019 | -.17742 | 1770.8 | .00729 | .26322 | 1039.2 | -.00581 | -2.0702 |
| #2 | .12788 | -.18101 | 1778.7 | .00762 | .26122 | 1038.0 | -.00486 | -2.1314 |
| #3 | .12983 | -.18163 | 1772.2 | .00666 | .25883 | 1033.7 | -.00439 | -2.1473 |

|        |         |         |        |         |        |        |         |         |
|--------|---------|---------|--------|---------|--------|--------|---------|---------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.01613 | -.01861 | .08035 | -.09962 | .21711 | .0161  | -.92063 | <.00000 |
| Stddev | .05401  | .00296  | .00278 | .00433  | .00411 | .0048  | .00119  | .16441  |
| %RSD   | 334.82  | 15.886  | 3.4545 | 4.3434  | 1.8939 | 29.70  | .12873  | 2.6828  |

|    |         |         |        |         |        |       |         |         |
|----|---------|---------|--------|---------|--------|-------|---------|---------|
| #1 | -.05321 | -.02190 | .08256 | -.09465 | .22178 | .0108 | -.91933 | -6.1875 |
| #2 | .04583  | -.01774 | .08126 | -.10254 | .21552 | .0176 | -.92166 | -6.2551 |
| #3 | -.04102 | -.01619 | .07723 | -.10168 | .21404 | .0200 | -.92089 | -5.9426 |

Sample Name: LR CHECK 1      Acquired: 2/18/2019 13:35:20      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2818.0  
Stddev      16.4  
%RSD      .58365

#1      2807.2  
#2      2809.9  
#3      2836.9

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2238.4 | 22950. | 3071.6 | 15.822 | 1705.0 |
| Stddev    | 7.2    | 45.    | 7.8    | 1.967  | 6.1    |
| %RSD      | .32363 | .19685 | .25253 | 12.432 | .35496 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2236.8 | 22986. | 3072.6 | 17.934 | 1700.7 |
| #2 | 2232.1 | 22965. | 3063.4 | 14.043 | 1702.4 |
| #3 | 2246.3 | 22899. | 3078.8 | 15.490 | 1711.9 |

Sample Name: LR CHECK 2      Acquired: 2/18/2019 13:40:23      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00503 | -.00774 | 251.53 | .02012 | -.08176 | -.22785 | 98.297 | -.00116 |
| Stddev | .00368  | .00082  | 1.36   | .00412 | .00179  | .01281  | .473   | .00012  |
| %RSD   | 73.146  | 10.544  | .53996 | 20.456 | 2.1935  | 5.6230  | .48078 | 10.372  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00080 | -.00773 | 253.08 | .02425 | -.07974 | -.23292 | 98.169 | -.00114 |
| #2 | -.00752 | -.00692 | 250.57 | .01602 | -.08237 | -.21328 | 97.901 | -.00130 |
| #3 | -.00678 | -.00855 | 250.93 | .02008 | -.08317 | -.23736 | 98.820 | -.00106 |

|        |         |        |         |         |        |         |        |         |
|--------|---------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.01283 | .29973 | -.13670 | -.00456 | 230.62 | -.66964 | 45.226 | -.00684 |
| Stddev | .00013  | .02085 | .00090  | .00021  | .61    | .00274  | .365   | .07531  |
| %RSD   | 1.0244  | 6.9575 | .66141  | 4.6028  | .26515 | .40903  | .80623 | 1101.3  |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.01291 | .30894 | -.13773 | -.00438 | 231.26 | -.67215 | 45.604 | .04514  |
| #2 | -.01290 | .27586 | -.13636 | -.00479 | 230.04 | -.66672 | 44.876 | .02755  |
| #3 | -.01268 | .31440 | -.13602 | -.00452 | 230.56 | -.67004 | 45.199 | -.09320 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 51.575 | .00863 | 1.4623 | -.06953 | 37.580 | 1.9429 | -.00424 | -.00018 |
| Stddev | .050   | .00023 | .0484  | .00112  | .155   | .2429  | .00020  | .00199  |
| %RSD   | .09757 | 2.6332 | 3.3098 | 1.6146  | .41362 | 12.502 | 4.6696  | 1125.9  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 51.625 | .00884 | 1.4965 | -.06924 | 37.732 | 2.1755 | -.00447 | -.00183 |
| #2 | 51.576 | .00866 | 1.4834 | -.07077 | 37.587 | 1.9624 | -.00412 | -.00074 |
| #3 | 51.524 | .00839 | 1.4069 | -.06858 | 37.421 | 1.6909 | -.00413 | .00204  |

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.21810 | -.00586 | .00287 | .00801 | -.00513 | -3.986 | .00244 | 3.0319 |
| Stddev | .01094  | .00199  | .00064 | .00250 | .00285  | .035   | .00002 | .4504  |
| %RSD   | 5.0138  | 33.982  | 22.207 | 31.193 | 55.628  | .8898  | .88053 | 14.855 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.20740 | -.00795 | .00346 | .00541 | -.00251 | -3.997 | .00243 | 3.3576 |
| #2 | -.22926 | -.00562 | .00295 | .01039 | -.00817 | -3.947 | .00247 | 2.5179 |
| #3 | -.21764 | -.00399 | .00219 | .00824 | -.00470 | -4.016 | .00242 | 3.2201 |

Sample Name: LR CHECK 2      Acquired: 2/18/2019 13:40:23      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .84875  
 %RSD      5.6122

#1      -14.154  
 #2      -15.732  
 #3      -15.485

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2878.6 | 34512. | 3634.4 | 12.332 | 3225.6 |
| Stddev    | 6.3    | 155.   | 14.2   | 1.212  | 10.9   |
| %RSD      | .21823 | .44792 | .39083 | 9.8314 | .33713 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2872.6 | 34390. | 3622.5 | 12.759 | 3214.3 |
| #2 | 2885.2 | 34686. | 3650.2 | 10.964 | 3226.5 |
| #3 | 2878.1 | 34460. | 3630.6 | 13.273 | 3236.0 |

Sample Name: K1510-01      Acquired: 2/18/2019 13:53:52      Type: Unk  
Method: P4-ICP2(v2872)      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    | .07486  | -.06691  | .74786 | -.07518 | -.00175 | 132.15 | .88138 | .00949  |
| Stddev | .00257  | .00040   | .00301 | .00318  | .00157  | .36    | .00346 | .00032  |
| %RSD   | 3.4325  | .59351   | .40292 | 4.2332  | 89.418  | .27268 | .39242 | 3.3490  |
| #1     | .07779  | -.06733  | .74514 | -.07414 | -.00149 | 132.46 | .87803 | .00917  |
| #2     | .07302  | -.06684  | .75110 | -.07876 | -.00343 | 132.24 | .88116 | .00951  |
| #3     | .07376  | -.06655  | .74735 | -.07266 | -.00033 | 131.76 | .88494 | .00980  |
| Elem   | Cd2265  | Ca3736   | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00323 | 196.66   | .59148 | .19467  | .44243  | 221.88 | 5.2436 | 105.22  |
| Stddev | .00021  | .72      | .00367 | .00077  | .00091  | 1.77   | .0299  | .53     |
| %RSD   | 6.3788  | .36839   | .62106 | .39497  | .20554  | .79591 | .57099 | .50757  |
| #1     | -.00346 | 197.41   | .59388 | .19437  | .44147  | 223.55 | 5.2773 | 105.36  |
| #2     | -.00307 | 195.96   | .58725 | .19410  | .44256  | 220.03 | 5.2200 | 104.63  |
| #3     | -.00317 | 196.61   | .59329 | .19554  | .44327  | 222.06 | 5.2336 | 105.67  |
| Elem   | Ni2316  | Ag3280   | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.1241  | -.00801  | 5.6045 | .39917  | 1.2411  | 16.709 | .00516 | -.07826 |
| Stddev | .0022   | .00043   | .0380  | .00189  | .0024   | .050   | .00021 | .00291  |
| %RSD   | .19769  | 5.3176   | .67877 | .47322  | .19143  | .29832 | 4.0183 | 3.7224  |
| #1     | 1.1217  | -.00759  | 5.6483 | .39699  | 1.2402  | 16.683 | .00521 | -.07604 |
| #2     | 1.1246  | -.00801  | 5.5852 | .40019  | 1.2438  | 16.766 | .00493 | -.08156 |
| #3     | 1.1260  | -.00844  | 5.5800 | .40034  | 1.2393  | 16.677 | .00533 | -.07718 |
| Elem   | S_1820  | Si2881   | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 4.6156  | F 10.298 | .04167 | 3.8076  | .21020  | 6.124  | .19836 | <.00000 |
| Stddev | .0103   | .013     | .00126 | .0051   | .00145  | .013   | .00058 | .34289  |
| %RSD   | .22376  | .13001   | 3.0200 | .13389  | .68809  | .2079  | .29353 | 20.843  |
| #1     | 4.6073  | 10.306   | .04306 | 3.8125  | .21001  | 6.121  | .19880 | -1.3345 |
| #2     | 4.6272  | 10.283   | .04060 | 3.8081  | .21173  | 6.138  | .19770 | -2.0130 |
| #3     | 4.6123  | 10.306   | .04134 | 3.8023  | .20885  | 6.113  | .19857 | -1.5877 |

Sample Name: K1510-01      Acquired: 2/18/2019 13:53:52      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 533.71  
 Stddev      3.73  
 %RSD      .69830

#1      534.37  
 #2      537.05  
 #3      529.69

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3477.5 | 36176. | 4094.9 | 13.790 | 2862.5 |
| Stddev    | 6.1    | 184.   | 29.4   | .860   | 8.0    |
| %RSD      | .17422 | .50843 | .71841 | 6.2349 | .28054 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3475.4 | 35967. | 4066.0 | 12.853 | 2859.0 |
| #2 | 3472.8 | 36315. | 4124.8 | 14.542 | 2856.8 |
| #3 | 3484.4 | 36245. | 4093.8 | 13.976 | 2871.7 |

Sample Name: K1510-03      Acquired: 2/18/2019 13:58:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | .07300  | -.06889 | .80036 | -.07120 | -.00262 | 132.74 | .92172 | .00929  |
| Stddev | .00114  | .00045  | .00230 | .00597  | .00110  | 1.32   | .00319 | .00011  |
| %RSD   | 1.5585  | .64842  | .28685 | 8.3827  | 41.920  | .99571 | .34639 | 1.2130  |
| #1     | .07393  | -.06838 | .80026 | -.07803 | -.00190 | 131.21 | .92224 | .00919  |
| #2     | .07173  | -.06908 | .80271 | -.06694 | -.00209 | 133.52 | .92462 | .00926  |
| #3     | .07334  | -.06921 | .79812 | -.06865 | -.00389 | 133.48 | .91830 | .00941  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00352 | 142.12  | .32719 | .15386  | .49773  | 223.84 | 4.9655 | 75.822  |
| Stddev | .00016  | .15     | .00086 | .00022  | .00089  | .86    | .0228  | .267    |
| %RSD   | 4.6512  | .10790  | .26259 | .14257  | .17795  | .38413 | .46013 | .35208  |
| #1     | -.00335 | 142.29  | .32622 | .15390  | .49836  | 224.06 | 4.9404 | 75.986  |
| #2     | -.00353 | 142.04  | .32784 | .15406  | .49810  | 224.57 | 4.9850 | 75.966  |
| #3     | -.00367 | 142.02  | .32751 | .15363  | .49671  | 222.89 | 4.9710 | 75.514  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .61525  | -.00736 | 5.9246 | .41621  | 1.2423  | 16.321 | .00601 | -.08002 |
| Stddev | .00141  | .00033  | .0355  | .00141  | .0037   | .049   | .00034 | .00958  |
| %RSD   | .22994  | 4.5407  | .60005 | .33964  | .30168  | .29963 | 5.6565 | 11.974  |
| #1     | .61394  | -.00750 | 5.9423 | .41647  | 1.2451  | 16.343 | .00609 | -.07607 |
| #2     | .61506  | -.00698 | 5.9479 | .41747  | 1.2381  | 16.354 | .00631 | -.07304 |
| #3     | .61675  | -.00760 | 5.8837 | .41468  | 1.2438  | 16.265 | .00564 | -.09094 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 5.2291  | 9.5201  | .04044 | 3.8637  | .20626  | 6.577  | .22417 | <.00000 |
| Stddev | .0561   | .0982   | .00042 | .0337   | .00165  | .017   | .00041 | .26966  |
| %RSD   | 1.0723  | 1.0316  | 1.0454 | .87174  | .79970  | .2509  | .18090 | 19.266  |
| #1     | 5.2691  | 9.5631  | .04093 | 3.8969  | .20505  | 6.594  | .22435 | -1.5718 |
| #2     | 5.2533  | 9.5895  | .04017 | 3.8648  | .20814  | 6.562  | .22445 | -1.0889 |
| #3     | 5.1650  | 9.4078  | .04023 | 3.8295  | .20559  | 6.575  | .22370 | -1.5383 |

Sample Name: K1510-03      Acquired: 2/18/2019 13:58:25      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 532.38  
 Stddev      6.32  
 %RSD      1.1870

#1      539.49  
 #2      530.24  
 #3      527.41

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3505.4 | 36298. | 4097.9 | 13.915 | 2877.8 |
| Stddev    | 3.3    | 194.   | 30.7   | .375   | 8.0    |
| %RSD      | .09287 | .53572 | .74920 | 2.6942 | .27967 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3508.1 | 36507. | 4069.4 | 13.543 | 2875.9 |
| #2 | 3501.8 | 36123. | 4093.8 | 13.909 | 2886.6 |
| #3 | 3506.2 | 36263. | 4130.4 | 14.292 | 2870.8 |

Sample Name: K1513-01      Acquired: 2/18/2019 14:02:49      Type: Unk  
Method: P4-ICP2(v2872)      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    | .04580   | -.12304  | 1.0017 | -.11461 | -.01009 | 178.57 | 1.9055 | .00946 |
| Stddev | .00387   | .00156   | .0041  | .00291  | .00003  | 3.57   | .0141  | .00017 |
| %RSD   | 8.4541   | 1.2669   | .40568 | 2.5378  | .28631  | 1.9980 | .74188 | 1.8161 |
| #1     | .04150   | -.12196  | 1.0021 | -.11635 | -.01010 | 174.47 | 1.9191 | .00927 |
| #2     | .04902   | -.12483  | 1.0056 | -.11622 | -.01012 | 180.33 | 1.8909 | .00954 |
| #3     | .04688   | -.12234  | .99749 | -.11125 | -.01006 | 180.92 | 1.9067 | .00959 |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02651   | F 2197.4 | .31580 | .13274  | .49445  | 215.41 | 4.5256 | 248.61 |
| Stddev | .00028   | 25.1     | .00567 | .00027  | .00090  | 4.72   | .1045  | 1.36   |
| %RSD   | 1.0552   | 1.1417   | 1.7945 | .20481  | .18128  | 2.1891 | 2.3090 | .54822 |
| #1     | .02621   | 2205.4   | .30927 | .13249  | .49489  | 220.83 | 4.4050 | 249.53 |
| #2     | .02676   | 2169.3   | .31884 | .13303  | .49342  | 212.20 | 4.5872 | 247.04 |
| #3     | .02656   | 2217.5   | .31931 | .13271  | .49504  | 213.21 | 4.5847 | 249.25 |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .22770   | -.01583  | 6.8353 | .29804  | 4.9709  | 26.073 | .00914 | .13257 |
| Stddev | .00076   | .00172   | .0500  | .00295  | .0057   | .238   | .00039 | .00718 |
| %RSD   | .33565   | 10.859   | .73143 | .99063  | .11389  | .91116 | 4.2685 | 5.4183 |
| #1     | .22858   | -.01385  | 6.8930 | .29466  | 4.9759  | 26.123 | .00952 | .12811 |
| #2     | .22729   | -.01692  | 6.8068 | .29938  | 4.9647  | 25.814 | .00874 | .14085 |
| #3     | .22723   | -.01673  | 6.8061 | .30009  | 4.9721  | 26.282 | .00915 | .12873 |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 74.174 | 1.3801   | .02057 | 6.8295  | .48456  | 5.645  | 9.7132 | 4.0814 |
| Stddev | .152     | .0267    | .00041 | .0240   | .00179  | .016   | .0852  | .6022  |
| %RSD   | .20489   | 1.9383   | 1.9968 | .35169  | .36869  | .2877  | .87715 | 14.755 |
| #1     | 74.088   | 1.4078   | .02083 | 6.8556  | .48266  | 5.652  | 9.8114 | 3.3871 |
| #2     | 74.349   | 1.3544   | .02078 | 6.8247  | .48481  | 5.657  | 9.6591 | 4.3948 |
| #3     | 74.085   | 1.3781   | .02009 | 6.8083  | .48621  | 5.627  | 9.6692 | 4.4621 |

Sample Name: K1513-01      Acquired: 2/18/2019 14:02:49      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 485.44  
 Stddev      2.26  
 %RSD      .46626

#1      484.81  
 #2      487.96  
 #3      483.56

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2845.3 | 29391. | 3641.3 | 12.832 | 2256.5 |
| Stddev    | 7.1    | 548.   | 23.3   | .896   | 3.2    |
| %RSD      | .25081 | 1.8633 | .64095 | 6.9856 | .14151 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2839.3 | 30020. | 3618.5 | 13.729 | 2253.2 |
| #2 | 2853.2 | 29134. | 3665.1 | 12.832 | 2259.5 |
| #3 | 2843.5 | 29020. | 3640.2 | 11.936 | 2256.7 |

Sample Name: K1513-03      Acquired: 2/18/2019 14:07:29      Type: Unk  
Method: P4-ICP2(v2872)      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    | .01043   | -.05911 | .03441 | -.03750 | -.00664 | 124.71 | .47752 | .00413 |
| Stddev | .00094   | .00384  | .00188 | .00122  | .00027  | .71    | .00439 | .00007 |
| %RSD   | 9.0408   | 6.4967  | 5.4688 | 3.2612  | 4.0494  | .57021 | .91933 | 1.7954 |
| #1     | .01130   | -.06163 | .03256 | -.03828 | -.00668 | 124.34 | .48214 | .00418 |
| #2     | .01055   | -.05469 | .03632 | -.03609 | -.00689 | 124.26 | .47699 | .00416 |
| #3     | .00943   | -.06101 | .03436 | -.03813 | -.00636 | 125.53 | .47341 | .00404 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00294  | 1201.6  | .14806 | .01870  | .04347  | 68.327 | 1.4864 | 58.731 |
| Stddev | .00025   | 4.5     | .00100 | .00038  | .00070  | .232   | .0069  | .246   |
| %RSD   | 8.4969   | .37712  | .67830 | 2.0506  | 1.6067  | .33997 | .46458 | .41853 |
| #1     | -.00320  | 1206.8  | .14707 | .01835  | .04286  | 68.573 | 1.4792 | 58.663 |
| #2     | -.00292  | 1198.6  | .14802 | .01865  | .04333  | 68.295 | 1.4871 | 58.526 |
| #3     | -.00270  | 1199.3  | .14908 | .01911  | .04423  | 68.112 | 1.4930 | 59.004 |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05242   | -.00450 | 2.7448 | .13716  | .12838  | 7.0728 | .00260 | .17521 |
| Stddev | .00043   | .00013  | .0208  | .00060  | .00021  | .0287  | .00062 | .00735 |
| %RSD   | .81982   | 2.9531  | .75893 | .43447  | .16289  | .40567 | 23.898 | 4.1942 |
| #1     | .05228   | -.00442 | 2.7646 | .13651  | .12855  | 7.1049 | .00330 | .17243 |
| #2     | .05208   | -.00444 | 2.7468 | .13768  | .12814  | 7.0497 | .00235 | .18355 |
| #3     | .05290   | -.00466 | 2.7231 | .13728  | .12844  | 7.0639 | .00214 | .16966 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 35.811 | 1.2117  | .00179 | 3.7297  | .20314  | 4.048  | 8.2131 | 6.3294 |
| Stddev | .121     | .0107   | .00039 | .0264   | .00366  | .007   | .0409  | .1511  |
| %RSD   | .33876   | .88307  | 22.091 | .70830  | 1.7996  | .1710  | .49800 | 2.3869 |
| #1     | 35.908   | 1.2141  | .00213 | 3.7493  | .19916  | 4.049  | 8.2602 | 6.4917 |
| #2     | 35.850   | 1.2209  | .00187 | 3.6997  | .20391  | 4.055  | 8.1866 | 6.1929 |
| #3     | 35.675   | 1.1999  | .00136 | 3.7401  | .20634  | 4.041  | 8.1925 | 6.3037 |

Sample Name: K1513-03      Acquired: 2/18/2019 14:07:29      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 126.19  
Stddev      .34  
%RSD      .27219

#1      125.83  
#2      126.51  
#3      126.25

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2864.2 | 29216. | 3490.7 | 13.152 | 2575.0 |
| Stddev    | 3.6    | 93.    | 24.4   | .493   | 2.8    |
| %RSD      | .12659 | .31837 | .69839 | 3.7519 | .10690 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2867.6 | 29297. | 3464.6 | 13.546 | 2573.5 |
| #2 | 2860.4 | 29237. | 3494.5 | 12.599 | 2573.3 |
| #3 | 2864.6 | 29114. | 3512.9 | 13.312 | 2578.2 |

Sample Name: K1513-05      Acquired: 2/18/2019 14:11:43      Type: Unk  
Method: P4-ICP2(v2872)      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    | .04826   | -.08675 | .16441 | -.06681 | -.00955 | 149.87 | 1.0146 | .00718 |
| Stddev | .00116   | .00537  | .00056 | .00795  | .00329  | .41    | .0132  | .00012 |
| %RSD   | 2.3961   | 6.1889  | .33849 | 11.900  | 34.479  | .27684 | 1.3023 | 1.6510 |
| #1     | .04956   | -.08108 | .16478 | -.05777 | -.00580 | 149.48 | 1.0273 | .00717 |
| #2     | .04737   | -.08743 | .16377 | -.06997 | -.01199 | 149.83 | 1.0157 | .00730 |
| #3     | .04784   | -.09175 | .16468 | -.07270 | -.01086 | 150.31 | 1.0009 | .00707 |
| Elem   | Cd2265   | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00165  | 1726.3  | .19304 | .07115  | .17407  | 141.51 | 3.7190 | 196.59 |
| Stddev | .00023   | 13.1    | .00065 | .00071  | .00056  | 1.11   | .0066  | .56    |
| %RSD   | 13.882   | .75934  | .33610 | 1.0047  | .32013  | .78597 | .17629 | .28699 |
| #1     | -.00191  | 1734.3  | .19376 | .07060  | .17350  | 142.41 | 3.7159 | 197.07 |
| #2     | -.00160  | 1733.4  | .19287 | .07089  | .17410  | 141.85 | 3.7266 | 196.74 |
| #3     | -.00146  | 1711.2  | .19250 | .07196  | .17462  | 140.26 | 3.7147 | 195.97 |
| Elem   | Ni2316   | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .18106   | -.00830 | 2.9336 | .22052  | 3.4388  | 10.826 | .00589 | .13651 |
| Stddev | .00074   | .00017  | .0295  | .00056  | .0092   | .063   | .00036 | .01107 |
| %RSD   | .40807   | 2.0294  | 1.0050 | .25390  | .26673  | .58118 | 6.0251 | 8.1111 |
| #1     | .18029   | -.00845 | 2.9610 | .22064  | 3.4493  | 10.878 | .00625 | .14723 |
| #2     | .18176   | -.00833 | 2.9375 | .22100  | 3.4346  | 10.843 | .00590 | .13716 |
| #3     | .18113   | -.00812 | 2.9024 | .21990  | 3.4325  | 10.756 | .00554 | .12512 |
| Elem   | S_1820   | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 33.051 | 1.3166  | .01615 | 5.0049  | .34939  | 4.643  | 7.9045 | 5.4589 |
| Stddev | .167     | .0168   | .00115 | .0109   | .00200  | .005   | .0318  | .1272  |
| %RSD   | .50627   | 1.2740  | 7.0903 | .21676  | .57280  | .1194  | .40241 | 2.3306 |
| #1     | 32.871   | 1.3269  | .01713 | 5.0152  | .34713  | 4.639  | 7.9320 | 5.3231 |
| #2     | 33.082   | 1.3256  | .01489 | 5.0057  | .35093  | 4.642  | 7.9120 | 5.4782 |
| #3     | 33.201   | 1.2972  | .01643 | 4.9936  | .35011  | 4.650  | 7.8697 | 5.5754 |

Sample Name: K1513-05      Acquired: 2/18/2019 14:11:43      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 286.09 |
| Stddev | 1.11     |
| %RSD   | .38794   |

|    |        |
|----|--------|
| #1 | 286.95 |
| #2 | 286.49 |
| #3 | 284.84 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2844.3 | 29046. | 3551.0 | 13.194 | 2378.9 |
| Stddev    | 11.6   | 36.    | 35.4   | .878   | 9.3    |
| %RSD      | .40652 | .12366 | .99769 | 6.6534 | .39122 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2830.9 | 29025. | 3520.9 | 14.205 | 2368.2 |
| #2 | 2850.3 | 29027. | 3542.2 | 12.624 | 2385.1 |
| #3 | 2851.6 | 29088. | 3590.0 | 12.752 | 2383.4 |

Sample Name: K1517-01      Acquired: 2/18/2019 14:16:09      Type: Unk  
Method: P4-ICP2(v2872)      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    | .10946  | -.02048 | .13260 | -.12214 | -.01926 | 125.94 | .54708 | .01139  |
| Stddev | .00181  | .00262  | .00192 | .00580  | .00149  | .09    | .00738 | .00035  |
| %RSD   | 1.6537  | 12.778  | 1.4476 | 4.7524  | 7.7511  | .06904 | 1.3489 | 3.0754  |
| #1     | .10975  | -.02135 | .13265 | -.11548 | -.02095 | 125.99 | .53862 | .01104  |
| #2     | .10752  | -.02254 | .13065 | -.12488 | -.01811 | 125.84 | .55220 | .01174  |
| #3     | .11110  | -.01753 | .13449 | -.12608 | -.01871 | 125.99 | .55042 | .01140  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00860 | 51.334  | .35806 | .07522  | .13831  | 355.56 | 2.0989 | 29.016  |
| Stddev | .00019  | .096    | .00181 | .00023  | .00119  | .57    | .0018  | .210    |
| %RSD   | 2.1927  | .18721  | .50583 | .30926  | .86150  | .16064 | .08769 | .72243  |
| #1     | -.00840 | 51.235  | .35841 | .07543  | .13920  | 355.75 | 2.0992 | 28.779  |
| #2     | -.00878 | 51.339  | .35968 | .07526  | .13695  | 356.01 | 2.1006 | 29.179  |
| #3     | -.00861 | 51.427  | .35610 | .07497  | .13877  | 354.92 | 2.0969 | 29.088  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .11236  | -.01405 | 3.2797 | .55974  | .51494  | 18.346 | .00435 | -.18069 |
| Stddev | .00105  | .00052  | .0034  | .00165  | .00067  | .163   | .00020 | .00778  |
| %RSD   | .93063  | 3.7235  | .10468 | .29560  | .13079  | .88642 | 4.5875 | 4.3044  |
| #1     | .11185  | -.01457 | 3.2779 | .56100  | .51501  | 18.216 | .00426 | -.17766 |
| #2     | .11357  | -.01407 | 3.2775 | .56034  | .51424  | 18.294 | .00421 | -.17488 |
| #3     | .11167  | -.01352 | 3.2837 | .55787  | .51558  | 18.529 | .00458 | -.18953 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 2.6541  | 3.7738  | .01559 | .95394  | .10171  | 5.879  | .02903 | <.00000 |
| Stddev | .0520   | .0372   | .00066 | .01315  | .00120  | .003   | .00135 | .32557  |
| %RSD   | 1.9605  | .98602  | 4.2235 | 1.3780  | 1.1841  | .0512  | 4.6388 | 9.7644  |
| #1     | 2.5976  | 3.7520  | .01606 | .94919  | .10303  | 5.883  | .02800 | -3.3157 |
| #2     | 2.6648  | 3.8167  | .01484 | .94383  | .10068  | 5.878  | .02853 | -3.0183 |
| #3     | 2.7000  | 3.7525  | .01586 | .96880  | .10141  | 5.877  | .03056 | -3.6686 |

Sample Name: K1517-01      Acquired: 2/18/2019 14:16:09      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 906.90  
 Stddev      4.48  
 %RSD      .49446

#1      902.39  
 #2      911.36  
 #3      906.95

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3512.4 | 36488. | 4024.8 | 14.614 | 2957.3 |
| Stddev    | 8.7    | 169.   | 7.6    | 1.261  | 3.6    |
| %RSD      | .24902 | .46412 | .18961 | 8.6310 | .12323 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3514.7 | 36356. | 4019.5 | 14.361 | 2954.9 |
| #2 | 3519.8 | 36430. | 4021.3 | 15.982 | 2961.5 |
| #3 | 3502.7 | 36679. | 4033.5 | 13.498 | 2955.5 |

Sample Name: PB117090BL      Acquired: 2/18/2019 14:27:36      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00193 | -.00136 | .00202 | -.00349 | -.00076 | -.00946 | -.00328 |
| Stddev | .00307 | .00057  | .00036 | .00327  | .00078  | .01379  | .00244  |
| %RSD   | 159.22 | 41.855  | 17.938 | 93.573  | 102.73  | 145.74  | 74.254  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00426  | -.00093 | .00200 | -.00709 | -.00073 | -.01545 | -.00278 |
| #2 | -.00155 | -.00200 | .00239 | -.00072 | -.00156 | -.01925 | -.00593 |
| #3 | .00307  | -.00114 | .00167 | -.00267 | .00000  | .00631  | -.00114 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00006 | -.00012 | -.01544 | -.00002 | -.00011 | -.00028 | .00423 |
| Stddev | .00003  | .00004  | .02038  | .00019  | .00007  | .00052  | .00072 |
| %RSD   | 40.287  | 35.569  | 131.94  | 969.62  | 60.694  | 186.87  | 17.030 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00006 | -.00012 | .00807  | .00012  | -.00009 | -.00057 | .00341 |
| #2 | -.00004 | -.00015 | -.02656 | .00006  | -.00019 | .00032  | .00449 |
| #3 | -.00009 | -.00007 | -.02785 | -.00024 | -.00006 | -.00059 | .00478 |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00015 | -.03695 | -.00040 | .00048 | -.07116 | .00088 | -.00009 |
| Stddev | .00004  | .03986  | .00051  | .00023 | .02254  | .00064 | .00009  |
| %RSD   | 29.615  | 107.88  | 127.95  | 47.343 | 31.673  | 72.429 | 97.217  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00016 | -.02980 | -.00049 | .00056 | -.09622 | .00023 | .00000  |
| #2 | -.00010 | -.00115 | .00015  | .00065 | -.06472 | .00150 | -.00010 |
| #3 | -.00018 | -.07991 | -.00085 | .00022 | -.05255 | .00091 | -.00017 |

|        |        |         |         |           |        |        |         |
|--------|--------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .16857 | -.00018 | -.00320 | F -.14184 | .00137 | .00004 | -.00389 |
| Stddev | .00959 | .00022  | .01337  | .01422    | .00275 | .00074 | .00309  |
| %RSD   | 5.6895 | 120.09  | 417.67  | 10.022    | 200.46 | 1792.9 | 79.464  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .15824 | -.00004 | -.01574 | -.12547 | .00413  | -.00073 | -.00382 |
| #2 | .17720 | -.00007 | .01088  | -.14896 | -.00137 | .00009  | -.00084 |
| #3 | .17026 | -.00044 | -.00474 | -.15108 | .00136  | .00076  | -.00703 |

Sample Name: PB117090BL      Acquired: 2/18/2019 14:27:36      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00228 | .0009  | .00012 | F 2.7411 | F<.00000 |
| Stddev | .00135  | .0011  | .00009 | .3049    | .79694   |
| %RSD   | 58.971  | 128.5  | 71.621 | 11.122   | 61.148   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00220 | -.0000 | .00021 | 2.9912 | -2.0894 |
| #2 | -.00098 | .0021  | .00003 | 2.8306 | -1.3245 |
| #3 | -.00367 | .0005  | .00013 | 2.4015 | -.49595 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3166.7 | 33047. | 3484.0 | 13.955 | 3360.7 |
| Stddev    | 13.7   | 190.   | 29.6   | 1.155  | 11.1   |
| %RSD      | .43397 | .57475 | .85018 | 8.2778 | .32920 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3157.2 | 32897. | 3449.9 | 12.934 | 3354.0 |
| #2 | 3160.3 | 32983. | 3503.8 | 15.209 | 3354.7 |
| #3 | 3182.4 | 33260. | 3498.3 | 13.723 | 3373.5 |

Sample Name: PB117090BS      Acquired: 2/18/2019 14:32:03      Type: Unk  
Method: P4-ICP2(v2872)      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    | .83182   | 2.1278 | 1.0369 | 2.0807 | .86630 | 2.0727 | .21397 | .20883   |
| Stddev | .00042   | .0089  | .0021  | .0040  | .00127 | .0088  | .00284 | .00053   |
| %RSD   | .05007   | .41786 | .20302 | .19304 | .14638 | .42575 | 1.3262 | .25315   |
| #1     | .83134   | 2.1225 | 1.0382 | 2.0764 | .86687 | 2.0635 | .21123 | .20921   |
| #2     | .83211   | 2.1227 | 1.0344 | 2.0814 | .86485 | 2.0811 | .21378 | .20904   |
| #3     | .83200   | 2.1380 | 1.0380 | 2.0844 | .86719 | 2.0736 | .21689 | .20822   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20301   | 1.0687 | .43872 | .21369 | .33455 | 3.4564 | .22508 | 2.2277   |
| Stddev | .00012   | .0065  | .00172 | .00024 | .00074 | .0302  | .00139 | .0632    |
| %RSD   | .06081   | .61232 | .39262 | .11164 | .22017 | .87425 | .61835 | 2.8354   |
| #1     | .20287   | 1.0702 | .43965 | .21342 | .33370 | 3.4911 | .22514 | 2.2741   |
| #2     | .20307   | 1.0616 | .43977 | .21382 | .33499 | 3.4420 | .22644 | 2.2532   |
| #3     | .20309   | 1.0744 | .43673 | .21385 | .33496 | 3.4360 | .22365 | 2.1558   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .52081   | .07413 | 3.0593 | .31615 | .20135 | 10.395 | .44264 | .31486   |
| Stddev | .00130   | .00020 | .0221  | .00041 | .00020 | .034   | .00069 | .00741   |
| %RSD   | .24922   | .26452 | .72246 | .13112 | .09832 | .32800 | .15698 | 2.3530   |
| #1     | .52074   | .07428 | 3.0446 | .31592 | .20112 | 10.434 | .44245 | .31182   |
| #2     | .51955   | .07420 | 3.0487 | .31590 | .20147 | 10.381 | .44341 | .30946   |
| #3     | .52214   | .07391 | 3.0848 | .31663 | .20146 | 10.371 | .44206 | .32331   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .47602 | .95307 | .72563 | .21781 | .20802 | 5.665  | .21306 | F 3.7214 |
| Stddev | .00359   | .00560 | .00185 | .00360 | .00295 | .015   | .00082 | .1668    |
| %RSD   | .75480   | .58747 | .25481 | 1.6546 | 1.4162 | .2721  | .38536 | 4.4821   |
| #1     | .47564   | .95927 | .72381 | .21625 | .21034 | 5.654  | .21401 | 3.8483   |
| #2     | .47263   | .95155 | .72559 | .21526 | .20902 | 5.658  | .21253 | 3.5325   |
| #3     | .47979   | .94838 | .72750 | .22194 | .20471 | 5.683  | .21265 | 3.7835   |

Sample Name: PB117090BS      Acquired: 2/18/2019 14:32:03      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 10.374 |
| Stddev | .292     |
| %RSD   | 2.8111   |

|    |        |
|----|--------|
| #1 | 10.663 |
| #2 | 10.377 |
| #3 | 10.080 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3123.9 | 32786. | 3402.8 | 13.777 | 3270.3 |
| Stddev    | 8.2    | 147.   | 34.0   | 2.130  | 5.5    |
| %RSD      | .26320 | .44962 | 1.0004 | 15.464 | .16967 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3116.8 | 32626. | 3368.1 | 11.375 | 3263.9 |
| #2 | 3122.0 | 32915. | 3436.1 | 15.439 | 3272.7 |
| #3 | 3132.9 | 32817. | 3404.1 | 14.516 | 3274.2 |

Sample Name: CCV02      Acquired: 2/18/2019 14:36:10      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2365 | 5.1985 | 5.1787 | 5.2199 | 5.2853 | 10.270 | 9.8942 | .26375 |
| Stddev | .0128  | .0135  | .0026  | .0270  | .0237  | .129   | .0975  | .00074 |
| %RSD   | .24520 | .25934 | .04992 | .51728 | .44768 | 1.2520 | .98578 | .28079 |
| #1     | 5.2453 | 5.2141 | 5.1760 | 5.2510 | 5.3094 | 10.229 | 9.9242 | .26409 |
| #2     | 5.2424 | 5.1911 | 5.1792 | 5.2054 | 5.2843 | 10.167 | 9.9732 | .26290 |
| #3     | 5.2217 | 5.1904 | 5.1811 | 5.2032 | 5.2621 | 10.414 | 9.7852 | .26425 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5887 | 25.417 | 1.0461 | 2.6189 | 1.3035 | 5.2502 | 2.6500 | 25.758 |
| Stddev | .0029  | .164   | .0024  | .0046  | .0033  | .0423  | .0029  | .058   |
| %RSD   | .11357 | .64592 | .22959 | .17568 | .25568 | .80623 | .10796 | .22375 |
| #1     | 2.5915 | 25.564 | 1.0441 | 2.6237 | 1.3072 | 5.2791 | 2.6521 | 25.786 |
| #2     | 2.5856 | 25.448 | 1.0454 | 2.6146 | 1.3028 | 5.2698 | 2.6468 | 25.691 |
| #3     | 2.5890 | 25.240 | 1.0487 | 2.6184 | 1.3006 | 5.2016 | 2.6512 | 25.796 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5625 | 1.2554 | 24.240 | 2.5146 | 2.5721 | 24.218 | 5.1247 | 5.0387 |
| Stddev | .0052  | .0042  | .208   | .0055  | .0044  | .205   | .0096  | .0087  |
| %RSD   | .20153 | .33195 | .85655 | .21885 | .16996 | .84622 | .18804 | .17309 |
| #1     | 2.5684 | 1.2519 | 24.316 | 2.5173 | 2.5768 | 24.227 | 5.1352 | 5.0390 |
| #2     | 2.5591 | 1.2544 | 24.398 | 2.5083 | 2.5712 | 24.419 | 5.1227 | 5.0299 |
| #3     | 2.5600 | 1.2600 | 24.005 | 2.5182 | 2.5682 | 24.010 | 5.1163 | 5.0473 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0172 | 4.9875 | 5.0269 | 5.1019 | 4.8905 | 5.097  | 5.1356 | 5.1050 |
| Stddev | .0232  | .0258  | .0060  | .0158  | .0424  | .007   | .0480  | .1937  |
| %RSD   | .46287 | .51656 | .11905 | .30926 | .86777 | .1435  | .93505 | 3.7951 |
| #1     | 5.0072 | 5.0038 | 5.0322 | 5.0837 | 4.9015 | 5.103  | 5.1486 | 5.0016 |
| #2     | 5.0437 | 5.0009 | 5.0281 | 5.1101 | 4.9264 | 5.101  | 5.1759 | 4.9849 |
| #3     | 5.0006 | 4.9578 | 5.0204 | 5.1120 | 4.8436 | 5.089  | 5.0825 | 5.3285 |

Sample Name: CCV02      Acquired: 2/18/2019 14:36:10      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV02      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.7645 |
| Stddev | .4938    |
| %RSD   | 27.984   |

|    |        |
|----|--------|
| #1 | 2.3089 |
| #2 | 1.6394 |
| #3 | 1.3454 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3034.6 | 31582. | 3412.0 | 13.953 | 2976.6 |
| Stddev    | 8.5    | 13.    | 39.4   | 1.775  | 4.6    |
| %RSD      | .28133 | .04123 | 1.1538 | 12.722 | .15561 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3025.3 | 31567. | 3388.0 | 12.641 | 2971.4 |
| #2 | 3036.4 | 31586. | 3390.5 | 13.245 | 2978.5 |
| #3 | 3042.1 | 31592. | 3457.4 | 15.973 | 2980.1 |

Sample Name: CCB02      Acquired: 2/18/2019 14:40:10      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB02      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00067 | .00070 | .00117 | -.00227 | .00162 | .00132 | .00410 |
| Stddev | .00124  | .00122 | .00121 | .00241  | .00205 | .00866 | .00706 |
| %RSD   | 184.41  | 175.26 | 103.65 | 106.51  | 127.01 | 657.42 | 172.39 |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00142 | -.00067 | .00246 | -.00308 | .00395 | -.00852 | -.00403 |
| #2 | -.00135 | .00107  | .00005 | .00045  | .00007 | .00467  | .00876  |
| #3 | .00076  | .00169  | .00101 | -.00417 | .00083 | .00781  | .00757  |

|        |         |         |         |        |        |         |         |
|--------|---------|---------|---------|--------|--------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | -.00004 | -.00005 | -.03311 | .00025 | .00004 | -.00024 | -.00027 |
| Stddev | .00005  | .00010  | .01649  | .00034 | .00012 | .00017  | .00162  |
| %RSD   | 106.90  | 195.46  | 49.816  | 140.01 | 302.79 | 70.847  | 601.65  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00008 | .00006  | -.02291 | -.00015 | .00003  | -.00005 | .00110  |
| #2 | .00001  | -.00015 | -.05213 | .00039  | .00017  | -.00029 | -.00206 |
| #3 | -.00006 | -.00007 | -.02428 | .00049  | -.00008 | -.00038 | .00016  |

|        |         |         |         |         |         |        |         |
|--------|---------|---------|---------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00010 | -.01903 | -.00000 | -.00010 | -.13964 | .00031 | -.00027 |
| Stddev | .00006  | .03636  | .00031  | .00076  | .00292  | .00027 | .00008  |
| %RSD   | 63.839  | 191.02  | 123310. | 743.57  | 2.0931  | 84.618 | 29.497  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00003 | -.05491 | .00031  | -.00069 | -.13686 | .00001 | -.00019 |
| #2 | -.00011 | .01778  | .00001  | .00076  | -.14269 | .00048 | -.00027 |
| #3 | -.00016 | -.01997 | -.00032 | -.00037 | -.13937 | .00045 | -.00034 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .11932 | .00016 | .00200 | -.16781 | .00373 | .00067 | -.00455 |
| Stddev | .00794 | .00024 | .00697 | .00744  | .00171 | .00027 | .00190  |
| %RSD   | 6.6569 | 148.05 | 348.79 | 4.4343  | 45.775 | 40.571 | 41.750  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .11222 | .00014  | .00373  | -.15922 | .00362 | .00079 | -.00406 |
| #2 | .12790 | .00042  | -.00568 | -.17212 | .00208 | .00087 | -.00294 |
| #3 | .11783 | -.00007 | .00794  | -.17210 | .00549 | .00036 | -.00665 |

Sample Name: CCB02      Acquired: 2/18/2019 14:40:10      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB02      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |          |
|--------|---------|--------|--------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg    | -.00354 | .0004  | .00018 | 3.2156 | F<.00000 |
| Stddev | .00201  | .0013  | .00004 | .2245  | .17700   |
| %RSD   | 56.696  | 313.7  | 21.847 | 6.9802 | 16.754   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00423 | -.0011 | .00019 | 2.9873 | -1.2356 |
| #2 | -.00128 | .0012  | .00021 | 3.2233 | -1.0521 |
| #3 | -.00512 | .0012  | .00013 | 3.4360 | -.88172 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3180.6 | 33069. | 3448.7 | 14.270 | 3367.7 |
| Stddev    | 8.5    | 52.    | 12.7   | .554   | 8.2    |
| %RSD      | .26875 | .15739 | .36704 | 3.8799 | .24225 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3171.2 | 33069. | 3443.0 | 14.845 | 3358.3 |
| #2 | 3182.5 | 33016. | 3463.2 | 13.741 | 3372.3 |
| #3 | 3188.0 | 33120. | 3439.8 | 14.225 | 3372.6 |

Sample Name: PB117090TB      Acquired: 2/18/2019 14:44:38      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00206 | -.00260 | .00109 | -.00021 | .00155 | .00725 | -.00255 |
| Stddev | .00334  | .00199  | .00103 | .00320  | .00204 | .01304 | .00428  |
| %RSD   | 162.13  | 76.582  | 94.524 | 1531.4  | 131.16 | 179.98 | 168.10  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00146  | -.00157 | -.00010 | -.00195 | .00219  | -.00741 | .00212  |
| #2 | -.00246 | -.00490 | .00160  | -.00216 | -.00073 | .01757  | -.00628 |
| #3 | -.00518 | -.00134 | .00177  | .00348  | .00320  | .01158  | -.00348 |

|        |         |         |         |        |         |        |        |
|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00015 | -.00025 | -.00859 | .00145 | -.00051 | .00008 | .00612 |
| Stddev | .00004  | .00020  | .00804  | .00044 | .00008  | .00025 | .00230 |
| %RSD   | 24.455  | 81.854  | 93.621  | 30.055 | 16.506  | 330.40 | 37.588 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | -.00011 | -.00015 | -.01006 | .00154 | -.00043 | -.00021 | .00464 |
| #2 | -.00018 | -.00048 | .00009  | .00184 | -.00051 | .00017  | .00877 |
| #3 | -.00016 | -.00011 | -.01579 | .00098 | -.00060 | .00026  | .00495 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .00005 | .05977 | .00355 | .00306 | F 400.57 | .00040 | .00060 |
| Stddev | .00009 | .04102 | .00021 | .00028 | 2.86     | .00017 | .00005 |
| %RSD   | 192.06 | 68.629 | 5.9744 | 9.2560 | .71414   | 42.758 | 8.4532 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00014  | .06300 | .00331 | .00273 | 399.85 | .00059 | .00054 |
| #2 | .00004  | .01723 | .00367 | .00325 | 403.73 | .00031 | .00062 |
| #3 | -.00004 | .09907 | .00368 | .00318 | 398.15 | .00028 | .00063 |

|        |        |        |        |           |        |        |         |
|--------|--------|--------|--------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm     |
| Avg    | .36324 | .00000 | .00779 | F -.15096 | .01676 | .00127 | -.00216 |
| Stddev | .01568 | .00033 | .00903 | .00623    | .00255 | .00059 | .00333  |
| %RSD   | 4.3161 | 47964. | 115.98 | 4.1264    | 15.226 | 46.410 | 154.06  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .34812 | -.00035 | .01746  | -.14892 | .01687 | .00066 | -.00100 |
| #2 | .36218 | .00006  | -.00044 | -.14601 | .01925 | .00183 | .00043  |
| #3 | .37942 | .00029  | .00634  | -.15795 | .01415 | .00133 | -.00592 |

Sample Name: PB117090TB      Acquired: 2/18/2019 14:44:38      Type: Unk  
 Method: P4-ICP2(v2872)      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       | -.00219 | .0007  | .00010  | 5.7636 | <.00000 |
| Stddev    | .00289  | .0007  | .00016  | .2526  | .60337  |
| %RSD      | 131.55  | 111.0  | 159.74  | 4.3836 | 13.772  |
| #1        | -.00489 | .0014  | .00017  | 5.9820 | -4.0133 |
| #2        | -.00254 | .0007  | .00022  | 5.8219 | -5.0774 |
| #3        | .00085  | -.0001 | -.00008 | 5.4869 | -4.0523 |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306 | In2306  |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S   |
| Avg       | 2947.3  | 30346. | 3401.9  | 13.648 | 2897.7  |
| Stddev    | 2.8     | 130.   | 10.4    | .462   | 8.5     |
| %RSD      | .09513  | .42904 | .30515  | 3.3842 | .29272  |
| #1        | 2944.1  | 30250. | 3411.4  | 13.255 | 2888.1  |
| #2        | 2949.4  | 30295. | 3390.8  | 13.534 | 2903.9  |
| #3        | 2948.5  | 30495. | 3403.3  | 14.157 | 2901.2  |

Sample Name: PB117162BL      Acquired: 2/18/2019 14:49:13      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00111 | .00023 | .00096 | -.00333 | .00093 | .00349 | -.00367 |
| Stddev | .00294 | .00069 | .00004 | .00095  | .00108 | .00986 | .00331  |
| %RSD   | 265.33 | 298.32 | 4.4471 | 28.359  | 116.33 | 282.21 | 90.259  |

|    |         |         |        |         |        |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|
| #1 | .00053  | .00101  | .00093 | -.00379 | .00047 | -.00750 | -.00707 |
| #2 | .00430  | -.00029 | .00096 | -.00225 | .00216 | .00644  | -.00046 |
| #3 | -.00150 | -.00002 | .00101 | -.00397 | .00015 | .01154  | -.00347 |

|        |         |         |         |        |         |         |        |
|--------|---------|---------|---------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00002 | -.00004 | -.01963 | .00004 | -.00015 | -.00045 | .00034 |
| Stddev | .00010  | .00002  | .00554  | .00033 | .00020  | .00033  | .00104 |
| %RSD   | 426.22  | 69.653  | 28.214  | 827.98 | 132.14  | 74.201  | 307.55 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00009  | -.00003 | -.01796 | -.00034 | -.00016 | -.00057 | -.00031 |
| #2 | -.00011 | -.00002 | -.02582 | .00017  | -.00034 | -.00071 | .00154  |
| #3 | -.00004 | -.00006 | -.01513 | .00029  | .00005  | -.00007 | -.00021 |

|        |         |        |         |        |        |        |         |
|--------|---------|--------|---------|--------|--------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00013 | .03350 | -.00016 | .00014 | .03248 | .00013 | -.00064 |
| Stddev | .00003  | .05115 | .00017  | .00013 | .02010 | .00054 | .00010  |
| %RSD   | 24.728  | 152.66 | 105.75  | 94.948 | 61.880 | 419.03 | 15.247  |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00017 | -.01876 | .00003  | -.00001 | .05539 | .00074  | -.00075 |
| #2 | -.00011 | .03581  | -.00023 | .00018  | .02431 | -.00014 | -.00056 |
| #3 | -.00012 | .08346  | -.00028 | .00023  | .01776 | -.00022 | -.00061 |

|        |        |         |         |         |        |         |         |
|--------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .19257 | -.00017 | -.01067 | -.16535 | .00092 | -.00033 | -.00741 |
| Stddev | .02070 | .00029  | .00789  | .01012  | .00079 | .00026  | .00456  |
| %RSD   | 10.749 | 176.67  | 73.914  | 6.1214  | 85.586 | 80.578  | 61.474  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .19200 | -.00001 | -.01048 | -.17677 | .00001 | -.00060 | -.00489 |
| #2 | .17216 | -.00051 | -.00288 | -.15752 | .00142 | -.00030 | -.00468 |
| #3 | .21355 | .00002  | -.01865 | -.16174 | .00134 | -.00008 | -.01268 |

Sample Name: PB117162BL      Acquired: 2/18/2019 14:49:13      Type: Unk  
Method: P4-ICP2(v2872)      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       | -.00065 | -.0001 | -.00004 | 2.3324 | F<.00000 |
| Stddev    | .00139  | .0006  | .00002  | .1262  | 1.2828   |
| %RSD      | 215.11  | 564.6  | 64.470  | 5.4088 | 124.51   |
| #1        | .00079  | -.0006 | -.00005 | 2.1926 | -1.1510  |
| #2        | -.00199 | .0006  | -.00005 | 2.4377 | -2.2484  |
| #3        | -.00074 | -.0003 | -.00001 | 2.3670 | .30864   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3244.7  | 34048. | 3535.4  | 14.221 | 3445.3   |
| Stddev    | 6.9     | 131.   | 41.4    | .443   | 1.5      |
| %RSD      | .21152  | .38600 | 1.1702  | 3.1152 | .04373   |
| #1        | 3252.2  | 34169. | 3505.0  | 13.875 | 3446.8   |
| #2        | 3238.8  | 33908. | 3518.7  | 14.720 | 3443.9   |
| #3        | 3243.1  | 34067. | 3582.5  | 14.068 | 3445.1   |

Sample Name: PB117172BS      Acquired: 2/18/2019 14:53:39      Type: Unk  
Method: P4-ICP2(v2872)      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    | .80611   | 2.0837 | 1.0062 | 2.0374 | .82108 | 1.9307  | .20503 | .20136   |
| Stddev | .01049   | .0112  | .0077  | .0133  | .00789 | .0124   | .00460 | .00030   |
| %RSD   | 1.3013   | .53560 | .76875 | .65485 | .96068 | .64406  | 2.2415 | .15071   |
| #1     | .79950   | 2.0751 | .99895 | 2.0221 | .81211 | 1.9440  | .21031 | .20102   |
| #2     | .80063   | 2.0795 | 1.0052 | 2.0436 | .82418 | 1.9194  | .20198 | .20157   |
| #3     | .81821   | 2.0963 | 1.0143 | 2.0465 | .82695 | 1.9286  | .20279 | .20151   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .19741   | 1.0242 | .41401 | .20511 | .32218 | 3.3040  | .21399 | 2.1125   |
| Stddev | .00160   | .0080  | .00100 | .00156 | .00416 | .0149   | .00048 | .0617    |
| %RSD   | .81127   | .78092 | .24042 | .76073 | 1.2916 | .44968  | .22553 | 2.9197   |
| #1     | .19580   | 1.0302 | .41348 | .20359 | .31847 | 3.3172  | .21391 | 2.0669   |
| #2     | .19743   | 1.0272 | .41340 | .20503 | .32140 | 3.2879  | .21355 | 2.1827   |
| #3     | .19900   | 1.0151 | .41516 | .20671 | .32668 | 3.3068  | .21450 | 2.0880   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .50204   | .07088 | 2.8392 | .29599 | .19529 | 9.6579  | .41395 | .30352   |
| Stddev | .00430   | .00089 | .0043  | .00059 | .00162 | .0120   | .00494 | .01446   |
| %RSD   | .85606   | 1.2619 | .15139 | .19939 | .83202 | .12373  | 1.1942 | 4.7636   |
| #1     | .49766   | .07056 | 2.8358 | .29532 | .19373 | 9.6694  | .40898 | .31624   |
| #2     | .50221   | .07020 | 2.8440 | .29621 | .19517 | 9.6587  | .41401 | .30654   |
| #3     | .50625   | .07189 | 2.8377 | .29643 | .19697 | 9.6455  | .41887 | .28780   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | F .02838 | .89973 | .68711 | .19658 | .20021 | F 5.544 | .19965 | F 4.0125 |
| Stddev | .01458   | .00639 | .00706 | .00283 | .00346 | .050    | .00055 | .1859    |
| %RSD   | 51.362   | .71034 | 1.0269 | 1.4394 | 1.7284 | .9014   | .27597 | 4.6327   |
| #1     | .01155   | .90032 | .67972 | .19406 | .20351 | 5.496   | .20027 | 4.2256   |
| #2     | .03691   | .90581 | .68783 | .19604 | .19661 | 5.540   | .19921 | 3.9278   |
| #3     | .03670   | .89307 | .69378 | .19964 | .20051 | 5.596   | .19947 | 3.8840   |

Sample Name: PB117172BS      Acquired: 2/18/2019 14:53:39      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 9.9164  
 Stddev      .4725  
 %RSD      4.7652

#1      10.302  
 #2      9.3891  
 #3      10.058

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3147.0 | 32880. | 3400.3 | 14.404 | 3280.5 |
| Stddev    | 8.0    | 157.   | 25.7   | 1.575  | 3.1    |
| %RSD      | .25384 | .47689 | .75653 | 10.933 | .09528 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3147.3 | 32719. | 3372.3 | 14.498 | 3277.8 |
| #2 | 3154.9 | 32888. | 3405.8 | 15.930 | 3283.9 |
| #3 | 3138.9 | 33032. | 3422.8 | 12.784 | 3279.7 |

Sample Name: PB117172BL      Acquired: 2/18/2019 14:57:44      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00241 | -.00139 | .00027 | -.00248 | -.00052 | -.00927 | .00143 |
| Stddev | .00242 | .00086  | .00053 | .00372  | .00129  | .00655  | .00453 |
| %RSD   | 100.76 | 61.977  | 198.09 | 149.97  | 248.29  | 70.662  | 316.98 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00371  | -.00203 | .00088  | -.00674 | -.00182 | -.00811 | .00663  |
| #2 | .00390  | -.00041 | -.00010 | .00011  | .00075  | -.01633 | -.00069 |
| #3 | -.00039 | -.00174 | .00003  | -.00080 | -.00049 | -.00338 | -.00165 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00002 | -.00008 | -.01509 | -.00010 | -.00005 | -.00083 | .00120 |
| Stddev | .00004 | .00006  | .00736  | .00026  | .00014  | .00028  | .00196 |
| %RSD   | 159.40 | 75.271  | 48.760  | 258.41  | 262.56  | 33.913  | 162.62 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00000  | -.00001 | -.02232 | -.00011 | .00002  | -.00053 | -.00076 |
| #2 | -.00000 | -.00010 | -.01534 | .00017  | -.00022 | -.00087 | .00316  |
| #3 | .00007  | -.00013 | -.00761 | -.00036 | .00003  | -.00110 | .00121  |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00016 | -.02487 | -.00040 | .00004 | -.14139 | .00038 | -.00075 |
| Stddev | .00002  | .03732  | .00053  | .00005 | .01746  | .00059 | .00004  |
| %RSD   | 9.5847  | 150.09  | 133.92  | 139.64 | 12.351  | 153.36 | 5.2158  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00016 | -.05791 | -.00032 | -.00000 | -.15109 | .00007 | -.00076 |
| #2 | -.00015 | -.03230 | .00009  | .00010  | -.15185 | .00106 | -.00071 |
| #3 | -.00018 | .01561  | -.00096 | .00002  | -.12123 | .00002 | -.00079 |

|        |        |         |         |           |        |        |         |
|--------|--------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .09923 | -.00018 | -.01011 | F -.17834 | .00084 | .00003 | -.00504 |
| Stddev | .04276 | .00002  | .00503  | .01490    | .00241 | .00005 | .00209  |
| %RSD   | 43.094 | 8.7296  | 49.769  | 8.3555    | 285.43 | 155.23 | 41.456  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .13594 | -.00017 | -.00482 | -.16116 | -.00130 | -.00002 | -.00677 |
| #2 | .05227 | -.00016 | -.01483 | -.18607 | .00345  | .00007  | -.00272 |
| #3 | .10948 | -.00019 | -.01068 | -.18779 | .00039  | .00005  | -.00563 |

Sample Name: PB117172BL      Acquired: 2/18/2019 14:57:44      Type: Unk  
Method: P4-ICP2(v2872)      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       | -.00857 | -.0002 | .00002  | F 2.9201 | F<.00000 |
| Stddev    | .00102  | .0013  | .00009  | .4215    | .15570   |
| %RSD      | 11.894  | 719.9  | 462.31  | 14.436   | 11.451   |
| #1        | -.00953 | -.0013 | .00011  | 3.2074   | -1.5226  |
| #2        | -.00869 | .0013  | -.00007 | 3.1167   | -1.2124  |
| #3        | -.00750 | -.0005 | .00002  | 2.4361   | -1.3441  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3193.3  | 33414. | 3458.4  | 15.266   | 3382.2   |
| Stddev    | 5.9     | 65.    | 40.7    | .059     | 6.5      |
| %RSD      | .18462  | .19543 | 1.1758  | .38679   | .19231   |
| #1        | 3186.6  | 33342. | 3429.2  | 15.198   | 3375.4   |
| #2        | 3195.7  | 33432. | 3441.2  | 15.300   | 3388.4   |
| #3        | 3197.5  | 33469. | 3504.9  | 15.300   | 3382.7   |

Sample Name: PB117162BS      Acquired: 2/18/2019 15:02:10      Type: Unk  
Method: P4-ICP2(v2872)      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    | .86938   | 2.2436 | 1.0837 | 2.1929 | .89516   | 2.0715   | .21554 | .21785   |
| Stddev | .00424   | .0116  | .0036  | .0157  | .00115   | .0114    | .00659 | .00074   |
| %RSD   | .48729   | .51873 | .33258 | .71718 | .12834   | .55173   | 3.0596 | .33903   |
| #1     | .86481   | 2.2316 | 1.0795 | 2.1832 | .89534   | 2.0624   | .22263 | .21727   |
| #2     | .87317   | 2.2444 | 1.0853 | 2.1843 | .89393   | 2.0678   | .20959 | .21761   |
| #3     | .87016   | 2.2549 | 1.0862 | 2.2110 | .89621   | 2.0844   | .21441 | .21868   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | .21284   | 1.0679 | .44786 | .22099 | F .34784 | F 3.5428 | .22987 | 2.2064   |
| Stddev | .00117   | .0150  | .00427 | .00132 | .00248   | .0237    | .00146 | .0156    |
| %RSD   | .54740   | 1.4051 | .95389 | .59529 | .71254   | .66796   | .63591 | .70484   |
| #1     | .21150   | 1.0556 | .44514 | .21949 | .34586   | 3.5294   | .22832 | 2.2094   |
| #2     | .21341   | 1.0636 | .44567 | .22150 | .34703   | 3.5289   | .23006 | 2.2202   |
| #3     | .21361   | 1.0846 | .45279 | .22196 | .35062   | 3.5701   | .23122 | 2.1895   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664   | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | .54017   | .07628 | 2.9687 | .31906 | .21039   | 10.281   | .45074 | .30749   |
| Stddev | .00263   | .00104 | .0393  | .00287 | .00137   | .045     | .00280 | .00929   |
| %RSD   | .48705   | 1.3690 | 1.3250 | .89812 | .65301   | .43425   | .62051 | 3.0217   |
| #1     | .53743   | .07634 | 2.9722 | .31601 | .20881   | 10.311   | .44752 | .30300   |
| #2     | .54039   | .07521 | 2.9277 | .31947 | .21108   | 10.229   | .45215 | .31818   |
| #3     | .54268   | .07730 | 3.0062 | .32169 | .21129   | 10.302   | .45255 | .30130   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774   | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm      |
| Avg    | F .01338 | .98782 | .75008 | .21137 | .20589   | 5.952    | .21188 | F 3.9266 |
| Stddev | .00424   | .00933 | .00545 | .00412 | .00186   | .032     | .00074 | .1149    |
| %RSD   | 31.673   | .94428 | .72694 | 1.9506 | .90498   | .5424    | .34983 | 2.9255   |
| #1     | .01256   | .98324 | .74383 | .21502 | .20637   | 5.918    | .21205 | 4.0335   |
| #2     | .01797   | .98167 | .75254 | .21219 | .20384   | 5.957    | .21107 | 3.8052   |
| #3     | .00961   | .99855 | .75386 | .20690 | .20747   | 5.982    | .21253 | 3.9411   |

Sample Name: PB117162BS      Acquired: 2/18/2019 15:02:10      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 10.786  
Stddev      .857  
%RSD      7.9413

#1      10.906  
#2      11.576  
#3      9.8756

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3154.0 | 32762. | 3408.3 | 14.602 | 3292.1 |
| Stddev    | 18.5   | 32.    | 18.3   | .513   | 20.4   |
| %RSD      | .58780 | .09758 | .53742 | 3.5146 | .61935 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3135.3 | 32726. | 3387.2 | 14.909 | 3275.9 |
| #2 | 3154.3 | 32788. | 3416.8 | 14.009 | 3285.4 |
| #3 | 3172.4 | 32772. | 3420.8 | 14.886 | 3315.0 |

Sample Name: K1467-02      Acquired: 2/18/2019 15:06:15      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00016 | -.00050 | .00363 | -.00096 | -.00095 | .04021 | -.00901 |
| Stddev | .00224  | .00095  | .00093 | .00221  | .00021  | .01187 | .00249  |
| %RSD   | 1423.6  | 189.44  | 25.567 | 229.58  | 21.963  | 29.519 | 27.678  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | -.00097 | -.00006 | .00424 | .00159  | -.00109 | .05006 | -.01154 |
| #2 | .00238  | .00015  | .00408 | -.00229 | -.00106 | .04354 | -.00655 |
| #3 | -.00188 | -.00159 | .00256 | -.00219 | -.00071 | .02703 | -.00896 |

|        |         |        |        |        |         |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00004 | .00045 | .09970 | .00115 | -.00009 | .00363 | .03793 |
| Stddev | .00005  | .00013 | .01652 | .00022 | .00019  | .00039 | .00232 |
| %RSD   | 126.99  | 28.702 | 16.573 | 18.868 | 220.80  | 10.655 | 6.1082 |

|    |         |        |        |        |         |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|
| #1 | -.00005 | .00034 | .09925 | .00117 | .00001  | .00364 | .03800 |
| #2 | .00001  | .00042 | .08341 | .00136 | .00003  | .00400 | .03558 |
| #3 | -.00009 | .00059 | .11644 | .00092 | -.00031 | .00323 | .04021 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00207 | .08892 | .00184 | -.00032 | -.14073 | .00036 | .03656 |
| Stddev | .00007 | .03685 | .00033 | .00038  | .01529  | .00014 | .00022 |
| %RSD   | 3.5603 | 41.438 | 17.697 | 119.70  | 10.864  | 38.282 | .60326 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00198 | .04682 | .00149 | -.00075 | -.15466 | .00051 | .03643 |
| #2 | .00212 | .11529 | .00214 | -.00020 | -.12437 | .00029 | .03681 |
| #3 | .00210 | .10465 | .00188 | -.00001 | -.14315 | .00026 | .03643 |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .15785 | -.00001 | .07547 | -.19120 | 1.7749 | .00124 | -.00493 |
| Stddev | .04544 | .00006  | .00562 | .00928  | .0090  | .00052 | .00171  |
| %RSD   | 28.788 | 817.43  | 7.4471 | 4.8551  | .50857 | 41.655 | 34.809  |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | .17612 | -.00007 | .07193 | -.19070 | 1.7759 | .00179 | -.00434 |
| #2 | .10612 | .00006  | .08195 | -.18218 | 1.7654 | .00076 | -.00686 |
| #3 | .19132 | -.00002 | .07252 | -.20073 | 1.7833 | .00117 | -.00358 |

Sample Name: K1467-02      Acquired: 2/18/2019 15:06:15      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.01550 | .0063  | .00037 | .17109 | F<.00000 |
| Stddev | .00264  | .0015  | .00005 | .17182 | .09289   |
| %RSD   | 17.028  | 23.82  | 14.364 | 100.42 | 5.3361   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01612 | .0078 | .00040 | .35687 | -1.6853 |
| #2 | -.01261 | .0048 | .00039 | .01789 | -1.8480 |
| #3 | -.01778 | .0063 | .00031 | .13852 | -1.6889 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3442.3 | 36265. | 3765.9 | 17.002 | 3687.5 |
| Stddev    | 17.2   | 110.   | 30.5   | .801   | 16.5   |
| %RSD      | .50043 | .30367 | .81065 | 4.7122 | .44810 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3441.0 | 36248. | 3740.1 | 17.800 | 3706.5 |
| #2 | 3460.2 | 36382. | 3799.6 | 17.007 | 3676.7 |
| #3 | 3425.8 | 36164. | 3758.0 | 16.198 | 3679.3 |

Sample Name: K1467-02DUP      Acquired: 2/18/2019 15:10:40      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00053 | -.00006 | .00352 | -.00213 | -.00003 | .03927 | -.00791 | -.00001 |
| Stddev | .00236 | .00163  | .00051 | .00108  | .00189  | .01488 | .00354  | .00004  |
| %RSD   | 446.09 | 2829.2  | 14.471 | 50.545  | 7476.8  | 37.878 | 44.737  | 380.28  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00180  | .00141  | .00347 | -.00337 | .00140  | .04138 | -.01185 | .00001  |
| #2 | .00198  | .00023  | .00305 | -.00162 | -.00217 | .02346 | -.00499 | -.00005 |
| #3 | -.00219 | -.00182 | .00406 | -.00141 | .00070  | .05299 | -.00689 | .00001  |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00047 | .10435 | .00112 | -.00006 | .00301 | .03618 | .00198 | .02451 |
| Stddev | .00006 | .01507 | .00029 | .00022  | .00035 | .00077 | .00002 | .06603 |
| %RSD   | 12.328 | 14.443 | 25.651 | 360.79  | 11.515 | 2.1294 | 1.1142 | 269.39 |

|    |        |        |        |         |        |        |        |         |
|----|--------|--------|--------|---------|--------|--------|--------|---------|
| #1 | .00044 | .09465 | .00144 | .00016  | .00280 | .03553 | .00200 | .08473  |
| #2 | .00043 | .12171 | .00087 | -.00007 | .00341 | .03598 | .00196 | .03490  |
| #3 | .00054 | .09668 | .00106 | -.00028 | .00282 | .03703 | .00197 | -.04610 |

|        |        |         |         |         |        |        |         |        |
|--------|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00169 | -.00046 | -.15364 | -.00007 | .03572 | .13657 | -.00006 | .07336 |
| Stddev | .00050 | .00059  | .00565  | .00037  | .00011 | .06047 | .00006  | .00114 |
| %RSD   | 29.537 | 130.60  | 3.6747  | 510.69  | .31982 | 44.277 | 111.83  | 1.5519 |

|    |        |         |         |         |        |        |         |        |
|----|--------|---------|---------|---------|--------|--------|---------|--------|
| #1 | .00223 | -.00073 | -.15722 | .00035  | .03564 | .10594 | -.00013 | .07467 |
| #2 | .00157 | -.00086 | -.14713 | -.00033 | .03585 | .09754 | -.00002 | .07258 |
| #3 | .00125 | .00023  | -.15658 | -.00024 | .03568 | .20623 | -.00002 | .07284 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.20123 | 1.7917 | .00135 | -.00543 | -.01501 | .0070  | .00038 | .92086 |
| Stddev | .00061  | .0051  | .00013 | .00182  | .00261  | .0007  | .00010 | .08833 |
| %RSD   | .30562  | .28507 | 9.5198 | 33.579  | 17.372  | 9.708  | 25.482 | 9.5926 |

|    |         |        |        |         |         |       |        |        |
|----|---------|--------|--------|---------|---------|-------|--------|--------|
| #1 | -.20175 | 1.7892 | .00136 | -.00337 | -.01591 | .0063 | .00042 | .88698 |
| #2 | -.20139 | 1.7884 | .00121 | -.00683 | -.01705 | .0068 | .00045 | 1.0211 |
| #3 | -.20055 | 1.7976 | .00147 | -.00608 | -.01207 | .0077 | .00027 | .85448 |

Sample Name: K1467-02DUP      Acquired: 2/18/2019 15:10:40      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      <.00000  
Stddev      1.1544  
%RSD      119.14

#1      -1.7929  
#2      .35048  
#3      -1.4644

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3396.7 | 35719. | 3733.8 | 15.033 | 3666.7 |
| Stddev    | 16.4   | 100.   | 27.3   | .860   | 7.8    |
| %RSD      | .48202 | .28021 | .73189 | 5.7178 | .21224 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3389.6 | 35829. | 3702.3 | 14.191 | 3658.0 |
| #2 | 3415.4 | 35694. | 3749.5 | 15.909 | 3669.2 |
| #3 | 3385.1 | 35634. | 3749.7 | 15.000 | 3672.9 |

Sample Name: K1467-02LX5      Acquired: 2/18/2019 15:15:07      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00251 | -.00189 | .00131 | -.00268 | .00015 | -.00288 | .00083 |
| Stddev | .00077  | .00054  | .00086 | .00008  | .00068 | .00830  | .00345 |
| %RSD   | 30.708  | 28.762  | 65.767 | 2.8174  | 442.84 | 288.61  | 415.44 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00339 | -.00132 | .00184 | -.00274 | .00036  | .00653  | -.00236 |
| #2 | -.00199 | -.00240 | .00032 | -.00270 | -.00061 | -.00915 | .00036  |
| #3 | -.00213 | -.00196 | .00178 | -.00260 | .00071  | -.00601 | .00449  |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | -.00003 | .01081 | .00035 | -.00028 | .00038 | .00843 |
| Stddev | .00004  | .00007  | .00994 | .00039 | .00019  | .00071 | .00052 |
| %RSD   | 163.56  | 206.94  | 91.946 | 113.78 | 65.672  | 188.84 | 6.2059 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00002  | -.00009 | -.00064 | .00065  | -.00048 | -.00012 | .00784 |
| #2 | -.00005 | -.00005 | .01589  | .00049  | -.00010 | .00006  | .00862 |
| #3 | -.00005 | .00004  | .01717  | -.00010 | -.00027 | .00119  | .00883 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00027 | -.03099 | .00006 | .00007 | -.16834 | .00038 | .00798 |
| Stddev | .00004 | .03499  | .00019 | .00010 | .00889  | .00032 | .00003 |
| %RSD   | 15.108 | 112.91  | 325.07 | 144.18 | 5.2837  | 83.282 | .40659 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00026 | -.06411 | -.00002 | -.00003 | -.17140 | .00033 | .00795 |
| #2 | .00032 | -.03447 | -.00008 | .00008  | -.17530 | .00009 | .00797 |
| #3 | .00023 | .00561  | .00027  | .00016  | -.15832 | .00073 | .00802 |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .11433 | -.00015 | .01118 | -.16442 | .38288 | .00036 | -.00732 |
| Stddev | .04957 | .00030  | .00823 | .01752  | .00184 | .00050 | .00424  |
| %RSD   | 43.355 | 199.43  | 73.631 | 10.653  | .48143 | 140.59 | 57.943  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .06738 | .00000  | .02015 | -.14489 | .38496 | .00073  | -.01089 |
| #2 | .10945 | -.00050 | .00940 | -.16965 | .38143 | .00055  | -.00845 |
| #3 | .16615 | .00004  | .00398 | -.17873 | .38227 | -.00021 | -.00263 |

Sample Name: K1467-02LX5      Acquired: 2/18/2019 15:15:07      Type: Unk  
 Method: P4-ICP2(v2872)      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    | -.00886 | .0012  | .00011 | 3.0648 | F<.00000 |
| Stddev | .00099  | .0004  | .00008 | .1326  | .52466   |
| %RSD   | 11.184  | 36.31  | 74.998 | 4.3278 | 42.190   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00852 | .0009 | .00007 | 2.9600 | -.68313 |
| #2 | -.00808 | .0017 | .00005 | 3.0204 | -1.3245 |
| #3 | -.00998 | .0010 | .00020 | 3.2139 | -1.7230 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3187.2 | 33179. | 3474.2 | 14.231 | 3373.9 |
| Stddev    | 8.7    | 120.   | 11.4   | .838   | 15.5   |
| %RSD      | .27446 | .36295 | .32688 | 5.8892 | .46051 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3193.4 | 33264. | 3461.4 | 14.293 | 3381.1 |
| #2 | 3177.2 | 33041. | 3483.0 | 13.364 | 3356.0 |
| #3 | 3191.1 | 33232. | 3478.2 | 15.036 | 3384.4 |

Sample Name: K1467-02MS      Acquired: 2/18/2019 15:19:34      Type: Unk  
Method: P4-ICP2(v2872)      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    | .88646 | 2.2412 | 1.0911 | 2.2323 | .91500 | 2.1715 | .21792 | .22143 |
| Stddev | .00500 | .0120  | .0088  | .0155  | .00249 | .0210  | .00297 | .00042 |
| %RSD   | .56429 | .53547 | .80908 | .69502 | .27186 | .96922 | 1.3613 | .18861 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88514 | 2.2336 | 1.0838 | 2.2165 | .91232 | 2.1481 | .21500 | .22139 |
| #2 | .88226 | 2.2349 | 1.0886 | 2.2329 | .91544 | 2.1774 | .22093 | .22103 |
| #3 | .89200 | 2.2550 | 1.1009 | 2.2475 | .91724 | 2.1889 | .21784 | .22186 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21329 | 1.2446 | .44886 | .22196 | .36108 | 3.6142 | .23452 | 2.3174 |
| Stddev | .00161 | .0278  | .00040 | .00197 | .00135 | .0517  | .00029 | .0764  |
| %RSD   | .75295 | 2.2350 | .08976 | .88875 | .37373 | 1.4297 | .12206 | 3.2983 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21230 | 1.2705 | .44902 | .22053 | .35971 | 3.6738 | .23456 | 2.3105 |
| #2 | .21243 | 1.2152 | .44917 | .22114 | .36240 | 3.5826 | .23421 | 2.2447 |
| #3 | .21514 | 1.2482 | .44841 | .22421 | .36113 | 3.5861 | .23478 | 2.3971 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54213 | .07653 | 3.0869 | .32024 | .26769 | 10.666 | .45274 | .40942 |
| Stddev | .00381 | .00070 | .0021  | .00157 | .00198 | .111   | .00152 | .00804 |
| %RSD   | .70314 | .91474 | .06741 | .48962 | .73945 | 1.0425 | .33653 | 1.9627 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .53921 | .07643 | 3.0852 | .31867 | .26631 | 10.538 | .45214 | .41861 |
| #2 | .54072 | .07727 | 3.0892 | .32180 | .26681 | 10.735 | .45160 | .40595 |
| #3 | .54644 | .07589 | 3.0864 | .32024 | .26996 | 10.725 | .45447 | .40371 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.18895 | 2.8144 | .74498 | .21673 | .20238 | 5.908  | .21787 | 1.3311 |
| Stddev | .00917  | .0287  | .00637 | .00243 | .00131 | .035   | .00072 | .3148  |
| %RSD   | 4.8523  | 1.0212 | .85501 | 1.1206 | .64742 | .6012  | .33204 | 23.651 |

|    |         |        |        |        |        |       |        |        |
|----|---------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.19752 | 2.8474 | .73978 | .21856 | .20087 | 5.875 | .21716 | 1.6780 |
| #2 | -.17928 | 2.7947 | .74307 | .21766 | .20323 | 5.902 | .21861 | 1.2518 |
| #3 | -.19004 | 2.8012 | .75209 | .21398 | .20305 | 5.946 | .21783 | 1.0636 |

Sample Name: K1467-02MS      Acquired: 2/18/2019 15:19:34      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 13.189 |
| Stddev | .299   |
| %RSD   | 2.2665 |

|    |        |
|----|--------|
| #1 | 13.330 |
| #2 | 13.392 |
| #3 | 12.846 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3315.1 | 35496. | 3661.6 | 15.295 | 3516.3 |
| Stddev    | 6.9    | 43.    | 46.3   | 1.106  | 12.8   |
| %RSD      | .20668 | .11981 | 1.2638 | 7.2287 | .36411 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3320.2 | 35462. | 3608.2 | 16.545 | 3530.0 |
| #2 | 3307.3 | 35481. | 3689.3 | 14.445 | 3514.4 |
| #3 | 3317.8 | 35543. | 3687.4 | 14.895 | 3504.6 |

Sample Name: K1467-02MSD      Acquired: 2/18/2019 15:23:40      Type: Unk  
Method: P4-ICP2(v2872)      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    | .84850 | 2.1390 | 1.0390 | 2.1536 | .87855 | 2.1118 | .20623 | .21526 |
| Stddev | .00493 | .0100  | .0023  | .0152  | .00336 | .0078  | .00329 | .00065 |
| %RSD   | .58142 | .46669 | .22153 | .70459 | .38273 | .36938 | 1.5957 | .29972 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84741 | 2.1435 | 1.0364 | 2.1662 | .87933 | 2.1094 | .20721 | .21597 |
| #2 | .85389 | 2.1276 | 1.0407 | 2.1580 | .88145 | 2.1205 | .20256 | .21508 |
| #3 | .84421 | 2.1460 | 1.0400 | 2.1368 | .87487 | 2.1055 | .20892 | .21472 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20308 | 1.2210 | .43346 | .21110 | .34625 | 3.4459 | .22542 | 2.2405 |
| Stddev | .00072 | .0027  | .00057 | .00134 | .00220 | .0144  | .00038 | .0517  |
| %RSD   | .35606 | .21968 | .13255 | .63687 | .63665 | .41769 | .16836 | 2.3092 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20273 | 1.2223 | .43413 | .21162 | .34671 | 3.4619 | .22528 | 2.2109 |
| #2 | .20259 | 1.2228 | .43314 | .20957 | .34818 | 3.4339 | .22585 | 2.2104 |
| #3 | .20391 | 1.2179 | .43312 | .21211 | .34385 | 3.4420 | .22513 | 2.3003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51619 | .07388 | 2.9395 | .30825 | .26019 | 10.313 | .43213 | .39813 |
| Stddev | .00101 | .00053 | .0224  | .00190 | .00040 | .037   | .00252 | .01508 |
| %RSD   | .19533 | .72246 | .76276 | .61615 | .15471 | .35704 | .58395 | 3.7877 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51540 | .07449 | 2.9559 | .30746 | .25984 | 10.315 | .43459 | .39152 |
| #2 | .51584 | .07367 | 2.9140 | .30687 | .26009 | 10.276 | .43226 | .38749 |
| #3 | .51732 | .07349 | 2.9487 | .31041 | .26063 | 10.349 | .42955 | .41539 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.19155 | 2.6795 | .70944 | .20969 | .19680 | 5.662  | .20961 | 1.2963 |
| Stddev | .01070  | .0197  | .00194 | .00180 | .00015 | .013   | .00087 | .1210  |
| %RSD   | 5.5841  | .73533 | .27391 | .85647 | .07467 | .2348  | .41662 | 9.3359 |

|    |         |        |        |        |        |       |        |        |
|----|---------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.20057 | 2.6938 | .70907 | .20794 | .19697 | 5.672 | .20979 | 1.3253 |
| #2 | -.19435 | 2.6570 | .70772 | .21153 | .19668 | 5.647 | .20866 | 1.4001 |
| #3 | -.17973 | 2.6876 | .71155 | .20960 | .19676 | 5.668 | .21038 | 1.1634 |

Sample Name: K1467-02MSD      Acquired: 2/18/2019 15:23:40      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 12.034 |
| Stddev | .834   |
| %RSD   | 6.9311 |

|    |        |
|----|--------|
| #1 | 11.140 |
| #2 | 12.170 |
| #3 | 12.791 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3344.5 | 35247. | 3699.5 | 16.336 | 3555.2 |
| Stddev    | 15.5   | 91.    | 23.5   | .781   | 8.1    |
| %RSD      | .46312 | .25879 | .63617 | 4.7805 | .22835 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3336.3 | 35209. | 3674.9 | 17.195 | 3556.8 |
| #2 | 3334.8 | 35180. | 3721.9 | 16.141 | 3562.3 |
| #3 | 3362.3 | 35351. | 3701.6 | 15.670 | 3546.3 |

Sample Name: CCV03      Acquired: 2/18/2019 15:27:46      Type: Unk  
Method: P4-ICP2(v2872)      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    | 5.1486 | 5.0209 | 5.0083 | 5.1296 | 5.1949 | 10.060 | 9.5347 | .25907   |
| Stddev | .0201  | .0003  | .0164  | .0165  | .0224  | .085   | .1249  | .00056   |
| %RSD   | .38973 | .00505 | .32826 | .32189 | .43066 | .84026 | 1.3101 | .21513   |
| #1     | 5.1628 | 5.0209 | 5.0255 | 5.1476 | 5.2143 | 10.105 | 9.3925 | .25864   |
| #2     | 5.1575 | 5.0207 | 5.0066 | 5.1261 | 5.1999 | 9.9629 | 9.5847 | .25886   |
| #3     | 5.1257 | 5.0212 | 4.9928 | 5.1152 | 5.1704 | 10.113 | 9.6269 | .25970   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5890 | 24.497 | 1.0174 | 2.5493 | 1.2712 | 5.0461 | 2.5863 | 24.599   |
| Stddev | .0081  | .161   | .0040  | .0085  | .0021  | .0619  | .0056  | .192     |
| %RSD   | .31488 | .65762 | .39385 | .33421 | .16497 | 1.2258 | .21833 | .78245   |
| #1     | 2.5974 | 24.314 | 1.0158 | 2.5575 | 1.2736 | 4.9753 | 2.5814 | 24.442   |
| #2     | 2.5883 | 24.559 | 1.0144 | 2.5498 | 1.2706 | 5.0897 | 2.5852 | 24.814   |
| #3     | 2.5811 | 24.618 | 1.0219 | 2.5405 | 1.2695 | 5.0734 | 2.5925 | 24.543   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5569 | 1.2159 | 23.201 | 2.4776 | 2.5025 | 24.083 | 4.9590 | 4.8279   |
| Stddev | .0081  | .0049  | .337   | .0036  | .0084  | .308   | .0137  | .0322    |
| %RSD   | .31828 | .40217 | 1.4541 | .14677 | .33608 | 1.2772 | .27622 | .66621   |
| #1     | 2.5659 | 1.2198 | 22.830 | 2.4735 | 2.5103 | 23.741 | 4.9718 | 4.8141   |
| #2     | 2.5545 | 1.2104 | 23.281 | 2.4791 | 2.5036 | 24.172 | 4.9607 | 4.8051   |
| #3     | 2.5502 | 1.2173 | 23.490 | 2.4803 | 2.4936 | 24.336 | 4.9446 | 4.8647   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9244 | 4.6548 | 4.8282 | 4.9376 | 4.7353 | 4.928  | 5.0059 | F 5.5483 |
| Stddev | .0321  | .0525  | .0083  | .0039  | .0658  | .007   | .0709  | .1688    |
| %RSD   | .65076 | 1.1281 | .17194 | .07789 | 1.3889 | .1351  | 1.4168 | 3.0414   |
| #1     | 4.8894 | 4.5957 | 4.8322 | 4.9332 | 4.6603 | 4.933  | 4.9242 | 5.5974   |
| #2     | 4.9523 | 4.6962 | 4.8337 | 4.9396 | 4.7630 | 4.921  | 5.0426 | 5.3605   |
| #3     | 4.9314 | 4.6724 | 4.8186 | 4.9400 | 4.7828 | 4.931  | 5.0510 | 5.6871   |

Sample Name: CCV03      Acquired: 2/18/2019 15:27:46      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.1457  
Stddev      .4798  
%RSD      22.361

#1      2.5463  
#2      2.2768  
#3      1.6139

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3005.1 | 31167. | 3444.9 | 14.633 | 2971.8 |
| Stddev    | 13.7   | 133.   | 37.0   | .899   | 14.7   |
| %RSD      | .45684 | .42589 | 1.0742 | 6.1407 | .49454 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2992.1 | 31178. | 3487.6 | 15.670 | 2958.0 |
| #2 | 3003.8 | 31294. | 3425.4 | 14.128 | 2970.1 |
| #3 | 3019.4 | 31029. | 3421.7 | 14.101 | 2987.3 |

Sample Name: CCB03      Acquired: 2/18/2019 15:31:46      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00114 | .00025 | .00096 | -.00014 | .00058 | -.00807 | .00282 |
| Stddev | .00261 | .00039 | .00185 | .00038  | .00210 | .02241  | .00571 |
| %RSD   | 228.39 | 157.27 | 192.64 | 266.66  | 360.20 | 277.61  | 202.58 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00149 | .00056  | .00306  | .00030  | -.00084 | -.02840 | .00932  |
| #2 | .00373  | .00037  | -.00045 | -.00039 | .00299  | .01596  | -.00136 |
| #3 | .00120  | -.00019 | .00027  | -.00033 | -.00040 | -.01178 | .00049  |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00006 | -.00000 | -.00628 | .00030 | -.00009 | -.00015 | -.00044 |
| Stddev | .00005 | .00007  | .00623  | .00009 | .00015  | .00070  | .00170  |
| %RSD   | 78.101 | 1800.2  | 99.181  | 29.346 | 176.43  | 463.85  | 385.10  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00004 | .00005  | -.00574 | .00039 | -.00003 | -.00095 | .00151  |
| #2 | .00002 | -.00008 | -.00034 | .00021 | .00003  | .00017  | -.00123 |
| #3 | .00011 | .00002  | -.01276 | .00030 | -.00026 | .00033  | -.00160 |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00004 | .02816 | -.00009 | .00019 | -.17110 | .00047 | -.00068 |
| Stddev | .00003  | .06948 | .00055  | .00051 | .00857  | .00021 | .00009  |
| %RSD   | 72.364  | 246.77 | 610.68  | 264.55 | 5.0075  | 44.832 | 13.101  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00002 | -.05197 | -.00063 | .00004  | -.18077 | .00035 | -.00067 |
| #2 | -.00008 | .07165  | -.00011 | .00076  | -.16810 | .00072 | -.00060 |
| #3 | -.00003 | .06479  | .00047  | -.00022 | -.16444 | .00035 | -.00077 |

|        |        |        |        |           |        |        |         |
|--------|--------|--------|--------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm     |
| Avg    | .18220 | .00018 | .00365 | F -.15053 | .00371 | .00065 | -.00476 |
| Stddev | .03504 | .00015 | .01410 | .01911    | .00225 | .00057 | .00123  |
| %RSD   | 19.234 | 80.966 | 386.07 | 12.698    | 60.575 | 87.974 | 25.869  |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .20570 | .00035 | .01569  | -.13531 | .00567 | .00093  | -.00447 |
| #2 | .14192 | .00008 | .00712  | -.17198 | .00126 | -.00001 | -.00611 |
| #3 | .19897 | .00012 | -.01186 | -.14429 | .00421 | .00102  | -.00370 |

Sample Name: CCB03      Acquired: 2/18/2019 15:31:46      Type: Unk  
 Method: P4-ICP2(v2872)      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       | -.00650 | .0004  | .00025 | F 3.0733 | F<.00000 |
| Stddev    | .00081  | .0008  | .00010 | .3733    | .43668   |
| %RSD      | 12.509  | 190.2  | 40.153 | 12.146   | 28.083   |
| #1        | -.00590 | .0008  | .00025 | 2.6459   | -1.3440  |
| #2        | -.00618 | .0010  | .00035 | 3.3353   | -2.0571  |
| #3        | -.00743 | -.0005 | .00015 | 3.2387   | -1.2638  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3148.1  | 33018. | 3464.1 | 14.119   | 3355.5   |
| Stddev    | 6.5     | 47.    | 6.8    | 1.051    | 3.0      |
| %RSD      | .20584  | .14375 | .19520 | 7.4403   | .08840   |
| #1        | 3152.7  | 32964. | 3467.7 | 13.036   | 3356.6   |
| #2        | 3150.9  | 33052. | 3456.3 | 14.186   | 3357.9   |
| #3        | 3140.7  | 33038. | 3468.4 | 15.134   | 3352.2   |

Sample Name: K1467-02A      Acquired: 2/18/2019 15:36:14      Type: Unk  
Method: P4-ICP2(v2872)      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    | .90696 | 2.2699 | 1.1051 | 2.2663 | .92941 | 2.2529 | .22173 | .22838 |
| Stddev | .00836 | .0089  | .0045  | .0100  | .00842 | .0195  | .00188 | .00028 |
| %RSD   | .92165 | .39240 | .40570 | .44132 | .90584 | .86397 | .84964 | .12064 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .90839 | 2.2725 | 1.1099 | 2.2740 | .92866 | 2.2413 | .21956 | .22810 |
| #2 | .89797 | 2.2772 | 1.1011 | 2.2550 | .92138 | 2.2753 | .22281 | .22865 |
| #3 | .91451 | 2.2600 | 1.1044 | 2.2699 | .93817 | 2.2420 | .22283 | .22840 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21618 | 1.2595 | .45974 | .22396 | .36461 | 3.6249 | .23887 | 2.3588 |
| Stddev | .00053 | .0097  | .00107 | .00099 | .00139 | .0436  | .00019 | .0323  |
| %RSD   | .24489 | .77258 | .23266 | .44029 | .38089 | 1.2017 | .08036 | 1.3689 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21669 | 1.2705 | .46009 | .22485 | .36442 | 3.6592 | .23868 | 2.3247 |
| #2 | .21563 | 1.2560 | .45854 | .22290 | .36333 | 3.5759 | .23887 | 2.3890 |
| #3 | .21621 | 1.2520 | .46060 | .22412 | .36608 | 3.6397 | .23907 | 2.3628 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54688 | .07887 | 3.1177 | .32515 | .27018 | 10.781 | .45595 | .40244 |
| Stddev | .00103 | .00046 | .0105  | .00149 | .00076 | .038   | .00040 | .00640 |
| %RSD   | .18849 | .57848 | .33799 | .45679 | .28105 | .35165 | .08715 | 1.5904 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .54801 | .07939 | 3.1273 | .32467 | .27102 | 10.815 | .45579 | .39556 |
| #2 | .54666 | .07864 | 3.1193 | .32681 | .26954 | 10.788 | .45565 | .40356 |
| #3 | .54599 | .07857 | 3.1064 | .32396 | .26998 | 10.740 | .45640 | .40821 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.19880 | 2.8117 | .74963 | .22267 | .20717 | 5.993  | .22181 | 2.2268 |
| Stddev | .02554  | .0391  | .00278 | .00258 | .00082 | .008   | .00058 | .1125  |
| %RSD   | 12.846  | 1.3919 | .37061 | 1.1575 | .39663 | .1341  | .26199 | 5.0541 |

|    |         |        |        |        |        |       |        |        |
|----|---------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.21884 | 2.8220 | .75275 | .22493 | .20773 | 6.002 | .22148 | 2.2946 |
| #2 | -.17005 | 2.7684 | .74742 | .22323 | .20756 | 5.989 | .22147 | 2.0969 |
| #3 | -.20752 | 2.8446 | .74872 | .21986 | .20623 | 5.987 | .22248 | 2.2889 |

Sample Name: K1467-02A      Acquired: 2/18/2019 15:36:14      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      11.889  
 Stddev      .887  
 %RSD      7.4622

#1      12.694  
 #2      10.938  
 #3      12.035

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3296.6 | 34799. | 3673.4 | 15.916 | 3491.6 |
| Stddev    | 19.1   | 69.    | 44.4   | 1.178  | 12.6   |
| %RSD      | .57944 | .19886 | 1.2089 | 7.3983 | .36061 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3292.3 | 34836. | 3646.2 | 16.745 | 3477.7 |
| #2 | 3317.4 | 34841. | 3724.6 | 14.568 | 3502.1 |
| #3 | 3279.9 | 34719. | 3649.3 | 16.434 | 3495.2 |

Sample Name: PB117193BL      Acquired: 2/18/2019 15:40:19      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00124 | .00226 | .00147 | -.00113 | -.00016 | -.01213 | -.00532 |
| Stddev | .00153 | .00221 | .00066 | .00439  | .00056  | .01141  | .00279  |
| %RSD   | 123.39 | 97.801 | 44.741 | 386.85  | 352.62  | 94.067  | 52.503  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00034 | .00440  | .00214 | -.00619 | .00043  | -.02512 | -.00569 |
| #2 | .00301 | -.00001 | .00082 | .00169  | -.00068 | -.00748 | -.00236 |
| #3 | .00037 | .00239  | .00145 | .00110  | -.00022 | -.00377 | -.00791 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00000 | -.00018 | -.02010 | -.00009 | -.00010 | -.00034 | .00174 |
| Stddev | .00008  | .00011  | .01859  | .00034  | .00032  | .00027  | .00201 |
| %RSD   | 3117.2  | 61.823  | 92.485  | 361.03  | 334.74  | 78.876  | 115.50 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00008  | -.00025 | -.01902 | .00015  | .00024  | -.00032 | .00041 |
| #2 | -.00002 | -.00023 | -.03921 | .00005  | -.00039 | -.00008 | .00076 |
| #3 | -.00007 | -.00005 | -.00207 | -.00049 | -.00013 | -.00063 | .00404 |

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00011 | .00080 | .00007 | -.00013 | -.19112 | .00012 | -.00072 |
| Stddev | .00003  | .07395 | .00022 | .00024  | .00197  | .00027 | .00010  |
| %RSD   | 25.373  | 9261.3 | 335.89 | 192.82  | 1.0283  | 214.72 | 14.268  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00007 | .03702  | -.00007 | -.00022 | -.19060 | -.00014 | -.00068 |
| #2 | -.00012 | -.08428 | -.00005 | -.00031 | -.19329 | .00011  | -.00064 |
| #3 | -.00012 | .04966  | .00033  | .00015  | -.18946 | .00040  | -.00084 |

|        |        |         |         |           |        |        |         |
|--------|--------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .23277 | -.00039 | -.00716 | F -.16483 | .00160 | .00030 | -.00617 |
| Stddev | .01781 | .00006  | .00238  | .01371    | .00220 | .00081 | .00177  |
| %RSD   | 7.6525 | 14.860  | 33.210  | 8.3203    | 137.35 | 266.95 | 28.740  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .21625 | -.00039 | -.00909 | -.16480 | .00359  | .00121  | -.00570 |
| #2 | .23042 | -.00033 | -.00450 | -.17856 | -.00076 | .00005  | -.00813 |
| #3 | .25165 | -.00045 | -.00789 | -.15113 | .00197  | -.00035 | -.00468 |

Sample Name: PB117193BL      Acquired: 2/18/2019 15:40:19      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00857 | .0024  | .00006 | F 3.0663 | F<.00000 |
| Stddev | .00111  | .0008  | .00013 | .3291    | .69787   |
| %RSD   | 12.977  | 31.54  | 214.65 | 10.734   | 43.142   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00909 | .0015 | .00009  | 2.6941 | -.94750 |
| #2 | -.00932 | .0028 | .00018  | 3.3189 | -2.3403 |
| #3 | -.00729 | .0029 | -.00008 | 3.1858 | -1.5651 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3169.1 | 33150. | 3534.9 | 14.949 | 3392.3 |
| Stddev    | 9.3    | 45.    | 37.7   | 1.385  | 6.0    |
| %RSD      | .29494 | .13714 | 1.0672 | 9.2617 | .17823 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3166.6 | 33136. | 3491.9 | 14.125 | 3385.9 |
| #2 | 3179.4 | 33201. | 3550.6 | 14.175 | 3397.9 |
| #3 | 3161.2 | 33113. | 3562.3 | 16.548 | 3393.2 |

Sample Name: PB117193BS      Acquired: 2/18/2019 15:44:45      Type: Unk  
Method: P4-ICP2(v2872)      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    | .85861 | 2.1562 | 1.0537 | 2.1256 | .91070 | 2.1075 | .20772 |
| Stddev | .00161 | .0110  | .0011  | .0068  | .00482 | .0148  | .00443 |
| %RSD   | .18741 | .50947 | .10420 | .32089 | .52966 | .70248 | 2.1341 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85776 | 2.1531 | 1.0542 | 2.1255 | .91627 | 2.0951 | .21279 |
| #2 | .86047 | 2.1471 | 1.0524 | 2.1189 | .90796 | 2.1036 | .20572 |
| #3 | .85762 | 2.1684 | 1.0545 | 2.1325 | .90788 | 2.1239 | .20463 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21290 | .20627 | 1.0764 | .45126 | .21986 | .34048 | 3.5011 |
| Stddev | .00044 | .00019 | .0139  | .00198 | .00062 | .00073 | .0482  |
| %RSD   | .20461 | .09235 | 1.2926 | .43787 | .28296 | .21330 | 1.3768 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21247 | .20620 | 1.0761 | .45005 | .21918 | .34131 | 3.5566 |
| #2 | .21288 | .20613 | 1.0626 | .45018 | .21999 | .34013 | 3.4764 |
| #3 | .21334 | .20649 | 1.0904 | .45354 | .22040 | .33998 | 3.4703 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23198 | 2.1896 | .52865 | .07460 | 2.9875 | .32135 | .20409 |
| Stddev | .00083 | .0274  | .00183 | .00057 | .0053  | .00016 | .00037 |
| %RSD   | .35975 | 1.2535 | .34538 | .76651 | .17777 | .05079 | .17974 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23103 | 2.1809 | .52865 | .07524 | 2.9906 | .32119 | .20431 |
| #2 | .23237 | 2.1676 | .52683 | .07414 | 2.9814 | .32135 | .20367 |
| #3 | .23256 | 2.2204 | .53048 | .07443 | 2.9905 | .32152 | .20429 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.509 | .46331 | .30911 | F -.17563 | .96714 | .73856 | .22035 |
| Stddev | .033   | .00039 | .01327 | .00735    | .00860 | .00331 | .00457 |
| %RSD   | .31472 | .08445 | 4.2945 | 4.1853    | .88899 | .44875 | 2.0753 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.472 | .46369 | .30333 | -.18365 | .97694 | .73699 | .22272 |
| #2 | 10.520 | .46334 | .29971 | -.16922 | .96362 | .73632 | .22326 |
| #3 | 10.535 | .46291 | .32430 | -.17401 | .96085 | .74236 | .21508 |

Sample Name: PB117193BS      Acquired: 2/18/2019 15:44:45      Type: Unk  
Method: P4-ICP2(v2872)      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       | .20774 | 5.751  | .21741 | F 3.4533 | F 10.643 |
| Stddev    | .00177 | .009   | .00049 | .0726    | 1.006    |
| %RSD      | .85356 | .1649  | .22394 | 2.1009   | 9.4564   |
| #1        | .20606 | 5.753  | .21693 | 3.3717   | 9.5038   |
| #2        | .20960 | 5.741  | .21791 | 3.4774   | 11.013   |
| #3        | .20756 | 5.760  | .21739 | 3.5107   | 11.412   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3140.3 | 33404. | 3527.0 | 14.455   | 3318.5   |
| Stddev    | 12.9   | 51.    | 47.5   | 1.765    | 16.2     |
| %RSD      | .41086 | .15345 | 1.3466 | 12.212   | .48852   |
| #1        | 3134.1 | 33455. | 3483.0 | 13.475   | 3314.2   |
| #2        | 3155.1 | 33353. | 3520.8 | 13.398   | 3336.4   |
| #3        | 3131.7 | 33403. | 3577.4 | 16.493   | 3304.8   |

Sample Name: PB117193TB      Acquired: 2/18/2019 15:48:50      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00323 | .00096 | .00177 | .00125 | .00079 | .00869 | -.01097 |
| Stddev | .00303  | .00018 | .00125 | .00365 | .00114 | .01189 | .00501  |
| %RSD   | 93.925  | 18.508 | 70.928 | 291.30 | 143.40 | 136.87 | 45.691  |

|    |         |        |        |         |         |         |         |
|----|---------|--------|--------|---------|---------|---------|---------|
| #1 | -.00456 | .00076 | .00276 | -.00224 | -.00037 | -.00502 | -.00750 |
| #2 | -.00537 | .00102 | .00036 | .00504  | .00191  | .01623  | -.00869 |
| #3 | .00024  | .00109 | .00219 | .00095  | .00084  | .01486  | -.01671 |

|        |         |         |        |        |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00011 | -.00023 | .00915 | .00151 | -.00050 | -.00055 | .00136 |
| Stddev | .00001  | .00005  | .01179 | .00033 | .00039  | .00026  | .00175 |
| %RSD   | 9.4411  | 21.884  | 128.86 | 21.919 | 78.357  | 46.793  | 128.98 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00012 | -.00023 | -.00441 | .00189 | -.00047 | -.00063 | .00202  |
| #2 | -.00010 | -.00018 | .01700  | .00134 | -.00012 | -.00026 | .00268  |
| #3 | -.00011 | -.00027 | .01485  | .00130 | -.00090 | -.00075 | -.00063 |

|        |         |        |        |        |          |        |        |
|--------|---------|--------|--------|--------|----------|--------|--------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | -.00005 | .06124 | .00267 | .00269 | F 267.31 | .00049 | .00062 |
| Stddev | .00007  | .10450 | .00045 | .00016 | 3.44     | .00053 | .00010 |
| %RSD   | 139.74  | 170.63 | 17.005 | 5.9858 | 1.2865   | 109.37 | 15.794 |

|    |         |         |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|---------|--------|
| #1 | -.00008 | .03670  | .00267 | .00286 | 270.91 | -.00009 | .00057 |
| #2 | -.00009 | .17583  | .00222 | .00255 | 266.96 | .00097  | .00056 |
| #3 | .00003  | -.02880 | .00312 | .00266 | 264.06 | .00058  | .00074 |

|        |        |         |         |           |        |        |         |
|--------|--------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .30905 | -.00001 | -.01369 | F -.16825 | .00800 | .00106 | -.00710 |
| Stddev | .03567 | .00041  | .00567  | .02553    | .00132 | .00084 | .00243  |
| %RSD   | 11.540 | 4292.4  | 41.442  | 15.177    | 16.493 | 79.315 | 34.138  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .29077 | .00045  | -.01880 | -.15735 | .00814 | .00187 | -.00990 |
| #2 | .28623 | -.00035 | -.00758 | -.19743 | .00661 | .00111 | -.00561 |
| #3 | .35015 | -.00013 | -.01468 | -.14998 | .00923 | .00019 | -.00580 |

Sample Name: PB117193TB      Acquired: 2/18/2019 15:48:50      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00527 | .0020  | .00010 | 5.0634 | <.00000 |
| Stddev | .00304  | .0011  | .00003 | .4241  | 1.0995  |
| %RSD   | 57.672  | 55.22  | 31.288 | 8.3766 | 31.702  |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00877 | .0015 | .00014 | 4.7239 | -2.2768 |
| #2 | -.00330 | .0032 | .00008 | 4.9275 | -4.4438 |
| #3 | -.00374 | .0012 | .00008 | 5.5388 | -3.6838 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3005.9 | 31321. | 3532.4 | 14.802 | 3004.6 |
| Stddev    | 3.1    | 67.    | 39.8   | 1.480  | 2.5    |
| %RSD      | .10173 | .21332 | 1.1276 | 9.9966 | .08359 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3008.1 | 31260. | 3505.1 | 15.005 | 3004.0 |
| #2 | 3002.4 | 31392. | 3514.0 | 16.170 | 3007.4 |
| #3 | 3007.1 | 31312. | 3578.1 | 13.232 | 3002.5 |

Sample Name: PB117194BL      Acquired: 2/18/2019 15:53:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00202 | -.00072 | .00033 | .00025 | -.00008 | -.01065 | -.00442 |
| Stddev | .00190  | .00017  | .00101 | .00307 | .00095  | .02046  | .00270  |
| %RSD   | 94.204  | 24.054  | 303.16 | 1247.6 | 1124.5  | 192.06  | 61.188  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00407 | -.00082 | .00083  | .00038  | .00099  | -.03349 | -.00726 |
| #2 | -.00031 | -.00052 | .00100  | -.00289 | -.00083 | .00601  | -.00414 |
| #3 | -.00168 | -.00082 | -.00083 | .00325  | -.00042 | -.00448 | -.00187 |

|        |        |         |         |        |         |         |        |
|--------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00005 | -.00010 | -.00584 | .00049 | -.00020 | -.00043 | .00076 |
| Stddev | .00005 | .00002  | .01477  | .00031 | .00028  | .00016  | .00061 |
| %RSD   | 107.68 | 19.585  | 253.06  | 64.015 | 135.29  | 36.885  | 80.001 |

|    |         |         |         |        |         |         |        |
|----|---------|---------|---------|--------|---------|---------|--------|
| #1 | .00005  | -.00008 | -.01704 | .00019 | -.00005 | -.00056 | .00127 |
| #2 | -.00001 | -.00011 | .01090  | .00081 | -.00003 | -.00025 | .00008 |
| #3 | .00009  | -.00012 | -.01138 | .00046 | -.00052 | -.00048 | .00093 |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00014 | .01143 | -.00038 | .00013 | -.07525 | .00038 | -.00082 |
| Stddev | .00001  | .01976 | .00047  | .00064 | .00418  | .00033 | .00004  |
| %RSD   | 10.510  | 172.91 | 123.72  | 476.76 | 5.5600  | 88.352 | 4.9898  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00015 | .02891  | -.00080 | .00066  | -.07081 | .00063  | -.00077 |
| #2 | -.00013 | -.01002 | -.00047 | .00032  | -.07912 | .00050  | -.00086 |
| #3 | -.00013 | .01540  | .00013  | -.00058 | -.07582 | -.00000 | -.00083 |

|        |        |         |         |           |         |        |         |
|--------|--------|---------|---------|-----------|---------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820    | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm       | ppm     | ppm    | ppm     |
| Avg    | .21753 | -.00019 | -.01291 | F -.16393 | -.00041 | .00024 | -.00562 |
| Stddev | .02177 | .00010  | .00357  | .01720    | .00116  | .00033 | .00268  |
| %RSD   | 10.007 | 52.268  | 27.664  | 10.490    | 283.81  | 136.95 | 47.627  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .23702 | -.00009 | -.01523 | -.14670 | .00075  | .00050  | -.00808 |
| #2 | .19404 | -.00029 | -.01471 | -.16399 | -.00041 | -.00013 | -.00602 |
| #3 | .22155 | -.00019 | -.00880 | -.18109 | -.00156 | .00035  | -.00277 |

Sample Name: PB117194BL      Acquired: 2/18/2019 15:53:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00411 | .0002  | -.00004 | F 2.7081 | F<.00000 |
| Stddev | .00337  | .0005  | .00005  | .1535    | .54606   |
| %RSD   | 82.001  | 188.9  | 116.48  | 5.6675   | 28.251   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00590 | -.0002 | -.00009 | 2.8628 | -1.9462 |
| #2 | -.00022 | .0007  | .00000  | 2.5559 | -1.3803 |
| #3 | -.00620 | .0003  | -.00003 | 2.7056 | -2.4722 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3209.9 | 33691. | 3557.8 | 15.024 | 3417.8 |
| Stddev    | 8.7    | 47.    | 30.1   | .724   | 7.2    |
| %RSD      | .27191 | .13962 | .84585 | 4.8212 | .20956 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3199.9 | 33640. | 3544.0 | 15.280 | 3411.6 |
| #2 | 3213.4 | 33733. | 3537.1 | 14.207 | 3416.3 |
| #3 | 3216.2 | 33700. | 3592.3 | 15.586 | 3425.7 |

Sample Name: PB117194BS      Acquired: 2/18/2019 15:57:52      Type: Unk  
Method: P4-ICP2(v2872)      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    | .79690 | 1.9920 | .97017 | 1.9698    | .83330 | 1.9679 | .19288 |
| Stddev | .00297 | .0019  | .00335 | .0026     | .00089 | .0320  | .00381 |
| %RSD   | .37214 | .09524 | .34563 | .13342    | .10729 | 1.6265 | 1.9765 |
| #1     | .80003 | 1.9921 | .96700 | 1.9702    | .83333 | 1.9310 | .19423 |
| #2     | .79414 | 1.9939 | .97368 | 1.9670    | .83238 | 1.9887 | .18858 |
| #3     | .79653 | 1.9901 | .96982 | 1.9722    | .83417 | 1.9839 | .19584 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677    | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .19784 | .19026 | 1.0054 | .41972    | .20310 | .31555 | 3.2818 |
| Stddev | .00072 | .00023 | .0127  | .00034    | .00084 | .00067 | .0250  |
| %RSD   | .36419 | .12185 | 1.2624 | .08180    | .41559 | .21347 | .76339 |
| #1     | .19702 | .19003 | .99397 | .41934    | .20222 | .31588 | 3.3105 |
| #2     | .19810 | .19025 | 1.0191 | .41981    | .20315 | .31600 | 3.2644 |
| #3     | .19839 | .19050 | 1.0031 | .42001    | .20391 | .31478 | 3.2704 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280    | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .21533 | 2.0692 | .48676 | .06877    | 2.7646 | .29729 | .18768 |
| Stddev | .00054 | .0652  | .00112 | .00032    | .0137  | .00205 | .00018 |
| %RSD   | .25267 | 3.1526 | .23026 | .46159    | .49399 | .68917 | .09387 |
| #1     | .21588 | 1.9947 | .48601 | .06881    | 2.7539 | .29687 | .18750 |
| #2     | .21531 | 2.1162 | .48805 | .06906    | 2.7600 | .29952 | .18786 |
| #3     | .21479 | 2.0966 | .48623 | .06843    | 2.7800 | .29549 | .18768 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.6652 | .42502 | .29767 | F -.18499 | .89142 | .67631 | .20746 |
| Stddev | .1098  | .00109 | .00801 | .00432    | .00289 | .00284 | .00066 |
| %RSD   | 1.1356 | .25579 | 2.6908 | 2.3335    | .32454 | .42021 | .31842 |
| #1     | 9.5386 | .42480 | .30548 | -.18040   | .89475 | .67379 | .20693 |
| #2     | 9.7227 | .42620 | .28948 | -.18562   | .88954 | .67939 | .20724 |
| #3     | 9.7343 | .42406 | .29804 | -.18896   | .88997 | .67575 | .20820 |

Sample Name: PB117194BS      Acquired: 2/18/2019 15:57:52      Type: Unk  
 Method: P4-ICP2(v2872)      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       | .19499 | 5.290  | .20192 | F 3.6774 | F 10.252 |
| Stddev    | .00217 | .007   | .00082 | .1945    | .828     |
| %RSD      | 1.1109 | .1392  | .40421 | 5.2900   | 8.0799   |
| #1        | .19257 | 5.298  | .20106 | 3.8693   | 9.4550   |
| #2        | .19565 | 5.283  | .20201 | 3.6828   | 11.109   |
| #3        | .19675 | 5.288  | .20269 | 3.4803   | 10.194   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3128.8 | 33223. | 3494.0 | 13.783   | 3319.6   |
| Stddev    | 7.0    | 127.   | 28.1   | .915     | 3.4      |
| %RSD      | .22411 | .38311 | .80375 | 6.6355   | .10163   |
| #1        | 3123.7 | 33212. | 3463.2 | 14.839   | 3318.5   |
| #2        | 3125.9 | 33102. | 3518.1 | 13.291   | 3316.8   |
| #3        | 3136.8 | 33356. | 3500.6 | 13.220   | 3323.3   |

Sample Name: PB117194TB      Acquired: 2/18/2019 16:01:58      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00151 | -.00035 | .00144 | -.00033 | -.00020 | .00225 | -.00927 |
| Stddev | .00284  | .00153  | .00107 | .00054  | .00009  | .00746 | .00691  |
| %RSD   | 187.95  | 438.84  | 74.331 | 161.02  | 46.849  | 331.65 | 74.543  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00034  | -.00004 | .00036 | .00001  | -.00010 | .00482  | -.00438 |
| #2 | -.00009 | .00100  | .00145 | -.00006 | -.00021 | -.00616 | -.01717 |
| #3 | -.00478 | -.00201 | .00250 | -.00096 | -.00028 | .00809  | -.00626 |

|        |         |         |        |        |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00005 | -.00025 | .00095 | .00144 | -.00018 | -.00095 | .00056 |
| Stddev | .00003  | .00002  | .01113 | .00037 | .00011  | .00040  | .00140 |
| %RSD   | 57.968  | 7.9802  | 1173.2 | 26.028 | 59.903  | 42.028  | 248.61 |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00009 | -.00026 | .00498  | .00153 | -.00026 | -.00059 | .00050  |
| #2 | -.00002 | -.00026 | .00949  | .00176 | -.00006 | -.00138 | .00200  |
| #3 | -.00005 | -.00023 | -.01163 | .00103 | -.00021 | -.00088 | -.00080 |

|        |         |         |        |        |          |        |        |
|--------|---------|---------|--------|--------|----------|--------|--------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | -.00011 | -.00637 | .00186 | .00247 | F 272.25 | .00032 | .00102 |
| Stddev | .00004  | .07944  | .00017 | .00047 | 4.02     | .00026 | .00003 |
| %RSD   | 35.040  | 1247.2  | 9.1732 | 19.006 | 1.4778   | 81.980 | 2.9373 |

|    |         |         |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|
| #1 | -.00007 | -.03950 | .00185 | .00202 | 276.66 | .00062 | .00098 |
| #2 | -.00013 | .08428  | .00169 | .00296 | 271.32 | .00013 | .00103 |
| #3 | -.00013 | -.06389 | .00203 | .00243 | 268.77 | .00021 | .00104 |

|        |        |         |        |           |        |        |         |
|--------|--------|---------|--------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm       | ppm    | ppm    | ppm     |
| Avg    | .28088 | -.00003 | .00130 | F -.16797 | .00700 | .00087 | -.00693 |
| Stddev | .00682 | .00018  | .01289 | .01920    | .00389 | .00084 | .00147  |
| %RSD   | 2.4282 | 605.48  | 990.09 | 11.433    | 55.541 | 96.131 | 21.194  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .28292 | -.00023 | -.01248 | -.17990 | .01085 | .00176 | -.00573 |
| #2 | .27327 | .00012  | .00332  | -.17819 | .00708 | .00010 | -.00857 |
| #3 | .28645 | .00001  | .01306  | -.14582 | .00307 | .00074 | -.00649 |

Sample Name: PB117194TB      Acquired: 2/18/2019 16:01:58      Type: Unk  
 Method: P4-ICP2(v2872)      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    | -.00708 | .0012  | .00002 | 5.4374 | <.00000 |
| Stddev | .00196  | .0013  | .00009 | .3062  | .36062  |
| %RSD   | 27.667  | 109.9  | 378.00 | 5.6310 | 8.7474  |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00933 | .0017  | .00004  | 5.1540 | -3.8592 |
| #2 | -.00620 | .0022  | .00010  | 5.7622 | -4.5336 |
| #3 | -.00572 | -.0003 | -.00008 | 5.3962 | -3.9750 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2985.3 | 31023. | 3519.9 | 13.710 | 2987.1 |
| Stddev    | 4.5    | 62.    | 52.1   | 1.281  | 4.4    |
| %RSD      | .15176 | .19951 | 1.4800 | 9.3456 | .14879 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2986.5 | 31048. | 3464.0 | 12.255 | 2982.5 |
| #2 | 2980.3 | 30952. | 3528.7 | 14.668 | 2991.4 |
| #3 | 2989.1 | 31068. | 3567.0 | 14.207 | 2987.5 |

Sample Name: K1505-01      Acquired: 2/18/2019 16:06:34      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00115 | -.00038 | .00183 | -.00101 | -.00234 | .04191 | -.01376 |
| Stddev | .00182 | .00101  | .00107 | .00238  | .00076  | .00723 | .00289  |
| %RSD   | 158.70 | 267.86  | 58.380 | 237.22  | 32.614  | 17.250 | 20.969  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00136  | -.00081 | .00061 | .00125  | -.00155 | .03373 | -.01668 |
| #2 | -.00077 | -.00110 | .00259 | -.00076 | -.00308 | .04456 | -.01091 |
| #3 | .00286  | .00078  | .00230 | -.00350 | -.00240 | .04744 | -.01370 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00000 | -.00000 | .09982 | .00150 | -.00014 | .00885 | .01227 |
| Stddev | .00004 | .00006  | .01478 | .00028 | .00016  | .00027 | .00086 |
| %RSD   | 1056.9 | 1328.3  | 14.810 | 18.622 | 118.94  | 3.0502 | 6.9881 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00003  | .00002  | .08319 | .00160 | -.00030 | .00859 | .01326 |
| #2 | -.00004 | -.00007 | .11146 | .00119 | -.00014 | .00913 | .01177 |
| #3 | .00002  | .00004  | .10482 | .00172 | .00003  | .00884 | .01177 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00082 | .00902 | .00145 | -.00024 | -.10873 | .00021 | .07404 |
| Stddev | .00002 | .01208 | .00019 | .00038  | .01954  | .00024 | .00059 |
| %RSD   | 2.6595 | 133.84 | 13.008 | 161.48  | 17.972  | 112.92 | .79782 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00084 | .02260  | .00165 | -.00026 | -.08620 | .00040  | .07345 |
| #2 | .00080 | -.00055 | .00127 | -.00061 | -.12116 | .00028  | .07463 |
| #3 | .00081 | .00502  | .00142 | .00016  | -.11882 | -.00006 | .07404 |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .20206 | -.00005 | .09385 | -.20752 | 2.8559 | -.00046 | -.00567 |
| Stddev | .03291 | .00005  | .00369 | .01968  | .0231  | .00067  | .00155  |
| %RSD   | 16.289 | 93.646  | 3.9300 | 9.4814  | .80918 | 146.79  | 27.287  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .23160 | .00000  | .08959 | -.23024 | 2.8814 | -.00103 | -.00697 |
| #2 | .16658 | -.00008 | .09619 | -.19610 | 2.8500 | -.00063 | -.00396 |
| #3 | .20799 | -.00006 | .09576 | -.19623 | 2.8363 | .00028  | -.00607 |

Sample Name: K1505-01      Acquired: 2/18/2019 16:06:34      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.01603 | .0019  | .00045 | .88132 | F<.00000 |
| Stddev | .00264  | .0009  | .00006 | .34064 | 1.0688   |
| %RSD   | 16.460  | 48.14  | 12.520 | 38.651 | 88.662   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01761 | .0026 | .00052 | .50139 | -.07724 |
| #2 | -.01298 | .0009 | .00042 | .98313 | -2.2029 |
| #3 | -.01749 | .0021 | .00042 | 1.1594 | -1.3365 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3360.1 | 35737. | 3807.8 | 16.861 | 3648.8 |
| Stddev    | 36.3   | 138.   | 3.3    | 1.099  | 31.0   |
| %RSD      | 1.0815 | .38732 | .08781 | 6.5188 | .85074 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3402.0 | 35880. | 3811.5 | 16.030 | 3681.7 |
| #2 | 3337.7 | 35727. | 3807.0 | 16.445 | 3620.0 |
| #3 | 3340.6 | 35604. | 3805.0 | 18.107 | 3644.7 |

Sample Name: K1505-01DUP      Acquired: 2/18/2019 16:11:00      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00150 | -.00047 | .00230 | -.00161 | -.00218 | .03916 | -.01326 |
| Stddev | .00308 | .00112  | .00085 | .00198  | .00021  | .01364 | .00279  |
| %RSD   | 205.46 | 240.05  | 36.937 | 123.52  | 9.6191  | 34.841 | 21.048  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00455  | .00082  | .00207 | -.00031 | -.00222 | .04200 | -.01648 |
| #2 | .00155  | -.00103 | .00323 | -.00062 | -.00237 | .02431 | -.01150 |
| #3 | -.00160 | -.00120 | .00158 | -.00389 | -.00196 | .05115 | -.01180 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | -.00003 | .06976 | .00149 | -.00015 | .00901 | .01344 |
| Stddev | .00005  | .00003  | .01747 | .00032 | .00016  | .00028 | .00246 |
| %RSD   | 202.61  | 99.096  | 25.040 | 21.367 | 109.52  | 3.1360 | 18.345 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00008 | -.00004 | .05158 | .00133 | -.00003 | .00874 | .01231 |
| #2 | .00003  | .00000  | .07127 | .00185 | -.00034 | .00899 | .01173 |
| #3 | -.00003 | -.00005 | .08642 | .00128 | -.00008 | .00930 | .01626 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00090 | .03421 | .00150 | -.00011 | -.17920 | .00037 | .06845 |
| Stddev | .00006 | .00632 | .00028 | .00023  | .01309  | .00008 | .00028 |
| %RSD   | 6.7195 | 18.490 | 18.586 | 210.84  | 7.3063  | 22.444 | .40450 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00089 | .03539 | .00144 | .00009  | -.18913 | .00034 | .06842 |
| #2 | .00096 | .03985 | .00180 | -.00006 | -.18410 | .00047 | .06818 |
| #3 | .00084 | .02737 | .00125 | -.00037 | -.16436 | .00031 | .06874 |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .21377 | -.00022 | .08391 | -.19156 | 2.8157 | -.00075 | -.00681 |
| Stddev | .02908 | .00009  | .00427 | .00693  | .0332  | .00043  | .00082  |
| %RSD   | 13.606 | 39.830  | 5.0910 | 3.6153  | 1.1784 | 58.111  | 12.041  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .20948 | -.00015 | .08601 | -.19360 | 2.8492 | -.00106 | -.00586 |
| #2 | .24476 | -.00020 | .07900 | -.18385 | 2.7829 | -.00093 | -.00730 |
| #3 | .18707 | -.00032 | .08673 | -.19724 | 2.8150 | -.00025 | -.00726 |

Sample Name: K1505-01DUP      Acquired: 2/18/2019 16:11:00      Type: Unk  
Method: P4-ICP2(v2872)      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       | -.01800 | .0014  | .00039 | 1.1223 | F<.00000 |
| Stddev    | .00255  | .0012  | .00006 | .2390  | .65456   |
| %RSD      | 14.172  | 87.11  | 15.026 | 21.299 | 58.152   |
| #1        | -.02059 | .0027  | .00045 | .84633 | -.37105  |
| #2        | -.01549 | .0005  | .00034 | 1.2652 | -1.4650  |
| #3        | -.01791 | .0009  | .00039 | 1.2553 | -1.5408  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3354.5  | 35582. | 3799.4 | 16.055 | 3641.8   |
| Stddev    | 22.7    | 33.    | 17.3   | 1.681  | 17.0     |
| %RSD      | .67587  | .09238 | .45459 | 10.470 | .46604   |
| #1        | 3380.5  | 35549. | 3780.3 | 17.989 | 3641.2   |
| #2        | 3339.2  | 35614. | 3814.0 | 15.239 | 3659.1   |
| #3        | 3343.8  | 35583. | 3804.0 | 14.939 | 3625.2   |

Sample Name: K1505-01LX5      Acquired: 2/18/2019 16:15:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00404 | -.00062 | .00058 | -.00101 | -.00099 | .01489 | -.00809 |
| Stddev | .00031 | .00226  | .00028 | .00198  | .00098  | .01144 | .00690  |
| %RSD   | 7.6131 | 362.16  | 47.516 | 196.05  | 99.323  | 76.860 | 85.372  |

|    |        |         |        |         |         |        |         |
|----|--------|---------|--------|---------|---------|--------|---------|
| #1 | .00395 | .00195  | .00090 | .00039  | -.00026 | .01741 | -.00818 |
| #2 | .00439 | -.00225 | .00037 | -.00014 | -.00060 | .02486 | -.01494 |
| #3 | .00379 | -.00157 | .00048 | -.00328 | -.00211 | .00239 | -.00114 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00005 | -.00007 | .01399 | .00061 | -.00018 | .00158 | .00313 |
| Stddev | .00004 | .00005  | .01079 | .00037 | .00013  | .00022 | .00171 |
| %RSD   | 65.936 | 78.849  | 77.151 | 61.650 | 69.758  | 13.769 | 54.662 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00004 | -.00010 | .00330 | .00054 | -.00030 | .00147 | .00178 |
| #2 | .00003 | -.00010 | .01379 | .00101 | -.00005 | .00143 | .00505 |
| #3 | .00009 | -.00001 | .02487 | .00027 | -.00020 | .00183 | .00255 |

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00008 | .01680 | .00048 | -.00021 | -.14989 | .00017 | .01501 |
| Stddev | .00004 | .02904 | .00034 | .00022  | .00831  | .00064 | .00013 |
| %RSD   | 54.566 | 172.87 | 71.132 | 108.90  | 5.5447  | 371.75 | .85855 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00006 | -.01673 | .00080 | -.00019 | -.14108 | .00061  | .01507 |
| #2 | .00013 | .03398  | .00012 | -.00044 | -.15099 | -.00056 | .01511 |
| #3 | .00005 | .03315  | .00052 | .00001  | -.15759 | .00047  | .01487 |

|        |        |         |        |         |        |         |         |
|--------|--------|---------|--------|---------|--------|---------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .22622 | -.00007 | .01366 | -.16239 | .62115 | -.00020 | -.00469 |
| Stddev | .02453 | .00008  | .00783 | .01243  | .00688 | .00066  | .00211  |
| %RSD   | 10.844 | 120.04  | 57.298 | 7.6567  | 1.1081 | 326.07  | 45.096  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .19931 | -.00015 | .02153 | -.15660 | .62899 | -.00067 | -.00665 |
| #2 | .24733 | -.00006 | .00588 | -.15390 | .61838 | .00055  | -.00497 |
| #3 | .23202 | .00001  | .01357 | -.17666 | .61609 | -.00048 | -.00245 |

Sample Name: K1505-01LX5      Acquired: 2/18/2019 16:15:25      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00875 | .0006  | .00014 | 2.7895 | F<.00000 |
| Stddev | .00090  | .0009  | .00004 | .0722  | .60925   |
| %RSD   | 10.256  | 146.7  | 25.664 | 2.5900 | 47.576   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00912 | .0016  | .00013 | 2.7083 | -.77550 |
| #2 | -.00772 | .0003  | .00012 | 2.8467 | -1.9572 |
| #3 | -.00939 | -.0001 | .00019 | 2.8136 | -1.1091 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3212.0 | 33683. | 3589.4 | 14.804 | 3422.1 |
| Stddev    | 3.4    | 20.    | 18.2   | .991   | 3.5    |
| %RSD      | .10611 | .05962 | .50735 | 6.6970 | .10281 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3208.3 | 33673. | 3570.5 | 15.666 | 3421.6 |
| #2 | 3212.6 | 33670. | 3606.8 | 15.025 | 3418.8 |
| #3 | 3215.0 | 33706. | 3591.0 | 13.720 | 3425.8 |

Sample Name: CCV04      Acquired: 2/18/2019 16:19:53      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14568      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1241 | 4.9421 | 4.9478 | 5.0745 | 5.1655 | 9.8138 | 9.4065 | .25583 |
| Stddev | .0356  | .0076  | .0078  | .0281  | .0332  | .0374  | .0200  | .00028 |
| %RSD   | .69507 | .15326 | .15688 | .55396 | .64259 | .38076 | .21307 | .10898 |
| #1     | 5.1103 | 4.9339 | 4.9500 | 5.0730 | 5.1515 | 9.8075 | 9.4259 | .25604 |
| #2     | 5.1645 | 4.9488 | 4.9541 | 5.1033 | 5.2034 | 9.8540 | 9.3859 | .25551 |
| #3     | 5.0973 | 4.9438 | 4.9391 | 5.0471 | 5.1416 | 9.7801 | 9.4076 | .25594 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5545 | 24.035 | 1.0029 | 2.5307 | 1.2544 | 5.0148 | 2.5596 | 24.201 |
| Stddev | .0055  | .046   | .0032  | .0047  | .0084  | .0161  | .0022  | .151   |
| %RSD   | .21340 | .19078 | .31602 | .18757 | .67381 | .32067 | .08527 | .62290 |
| #1     | 2.5576 | 24.070 | .99980 | 2.5316 | 1.2510 | 5.0313 | 2.5592 | 24.260 |
| #2     | 2.5577 | 24.051 | 1.0028 | 2.5350 | 1.2641 | 4.9992 | 2.5576 | 24.313 |
| #3     | 2.5482 | 23.983 | 1.0061 | 2.5256 | 1.2483 | 5.0138 | 2.5619 | 24.030 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5042 | 1.1846 | 22.606 | 2.4069 | 2.4712 | 23.403 | 4.8724 | 4.6658 |
| Stddev | .0050  | .0050  | .079   | .0053  | .0053  | .074   | .0368  | .0187  |
| %RSD   | .19761 | .42094 | .34820 | .21918 | .21543 | .31529 | .75452 | .40104 |
| #1     | 2.5082 | 1.1867 | 22.695 | 2.4042 | 2.4721 | 23.334 | 4.8534 | 4.6871 |
| #2     | 2.5058 | 1.1789 | 22.545 | 2.4035 | 2.4760 | 23.394 | 4.9148 | 4.6518 |
| #3     | 2.4987 | 1.1883 | 22.579 | 2.4130 | 2.4655 | 23.480 | 4.8490 | 4.6586 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7898 | 4.5331 | 4.7074 | 4.8486 | 4.6307 | 4.847  | 4.9352 | 5.4799 |
| Stddev | .0084  | .0157  | .0224  | .0255  | .0071  | .019   | .0024  | .2628  |
| %RSD   | .17490 | .34675 | .47579 | .52596 | .15243 | .3967  | .04850 | 4.7961 |
| #1     | 4.7910 | 4.5411 | 4.7090 | 4.8647 | 4.6227 | 4.831  | 4.9362 | 5.5874 |
| #2     | 4.7975 | 4.5150 | 4.7289 | 4.8620 | 4.6335 | 4.868  | 4.9324 | 5.1804 |
| #3     | 4.7809 | 4.5433 | 4.6842 | 4.8192 | 4.6359 | 4.842  | 4.9369 | 5.6720 |

Sample Name: CCV04      Acquired: 2/18/2019 16:19:53      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14568      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.0292 |
| Stddev | .5762    |
| %RSD   | 28.396   |

|    |        |
|----|--------|
| #1 | 2.6691 |
| #2 | 1.5513 |
| #3 | 1.8673 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3037.1 | 31735. | 3503.8 | 13.996 | 3025.0 |
| Stddev    | 23.1   | 29.    | 11.5   | .404   | 9.5    |
| %RSD      | .76131 | .09200 | .32722 | 2.8840 | .31486 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3044.7 | 31732. | 3490.9 | 14.147 | 3022.2 |
| #2 | 3011.1 | 31766. | 3512.8 | 14.302 | 3017.1 |
| #3 | 3055.5 | 31708. | 3507.8 | 13.538 | 3035.6 |

Sample Name: CCB04      Acquired: 2/18/2019 16:23:52      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14568      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |        |         |        |
|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00063 | .00057 | .00106 | .00093 | .00011 | -.00311 | .00433 |
| Stddev | .00182  | .00113 | .00080 | .00048 | .00155 | .00703  | .00193 |
| %RSD   | 288.84  | 198.78 | 75.348 | 51.135 | 1357.3 | 225.64  | 44.564 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00094 | .00187  | .00197 | .00101 | .00056  | -.00774 | .00547 |
| #2 | -.00227 | -.00017 | .00068 | .00137 | -.00161 | -.00658 | .00210 |
| #3 | .00132  | .00000  | .00052 | .00042 | .00139  | .00497  | .00542 |

|        |         |         |         |        |         |         |        |
|--------|---------|---------|---------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00003 | -.00009 | -.00951 | .00020 | -.00024 | -.00052 | .00033 |
| Stddev | .00004  | .00006  | .00286  | .00038 | .00012  | .00040  | .00261 |
| %RSD   | 117.27  | 63.648  | 30.087  | 191.21 | 51.513  | 77.374  | 778.56 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00001 | -.00005 | -.00738 | -.00023 | -.00011 | -.00089 | -.00265 |
| #2 | -.00001 | -.00006 | -.01277 | .00036  | -.00027 | -.00057 | .00148  |
| #3 | -.00007 | -.00015 | -.00839 | .00047  | -.00035 | -.00009 | .00217  |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00004 | .02573 | -.00008 | .00020 | -.17385 | .00011 | -.00081 |
| Stddev | .00007  | .00575 | .00015  | .00026 | .00509  | .00031 | .00005  |
| %RSD   | 160.88  | 22.365 | 187.55  | 130.37 | 2.9299  | 287.76 | 5.5971  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00006 | .02427 | -.00007 | .00036  | -.17909 | .00005  | -.00082 |
| #2 | .00003  | .03207 | -.00024 | .00034  | -.16892 | -.00017 | -.00085 |
| #3 | -.00011 | .02084 | .00006  | -.00010 | -.17352 | .00045  | -.00076 |

|        |        |        |        |           |        |        |         |
|--------|--------|--------|--------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm     |
| Avg    | .21069 | .00003 | .00366 | F -.16353 | .00211 | .00003 | -.00667 |
| Stddev | .00890 | .00004 | .00389 | .00815    | .00073 | .00054 | .00243  |
| %RSD   | 4.2255 | 142.02 | 106.31 | 4.9808    | 34.766 | 1948.0 | 36.478  |

|    |        |         |        |         |        |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|
| #1 | .20962 | -.00002 | .00032 | -.16948 | .00288 | -.00013 | -.00597 |
| #2 | .20238 | .00004  | .00272 | -.15425 | .00204 | .00063  | -.00938 |
| #3 | .22009 | .00007  | .00793 | -.16688 | .00142 | -.00042 | -.00467 |

Sample Name: CCB04      Acquired: 2/18/2019 16:23:52      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14568      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00675 | .0005  | .00020 | F 3.6615 | F<.00000 |
| Stddev | .00213  | .0013  | .00014 | .1575    | .65544   |
| %RSD   | 31.478  | 246.0  | 71.540 | 4.3020   | 50.474   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00758 | -.0005 | .00010 | 3.8433 | -2.0490 |
| #2 | -.00434 | .0001  | .00036 | 3.5760 | -1.0084 |
| #3 | -.00834 | .0020  | .00014 | 3.5653 | -.83829 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3136.9 | 32961. | 3510.0 | 14.620 | 3369.1 |
| Stddev    | 13.7   | 87.    | 10.2   | 1.255  | 8.9    |
| %RSD      | .43745 | .26352 | .29087 | 8.5873 | .26537 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3121.1 | 32898. | 3498.3 | 16.057 | 3364.5 |
| #2 | 3144.4 | 32926. | 3514.8 | 14.066 | 3379.4 |
| #3 | 3145.4 | 33060. | 3516.9 | 13.736 | 3363.3 |

Sample Name: K1505-01MS      Acquired: 2/18/2019 16:28:20      Type: Unk  
Method: P4-ICP2(v2872)      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    | .83311  | 2.0611 | 1.0077 | 2.0715 | .86922 | 2.0345 | .19138 | .20870 |
| Stddev | .00163  | .0204  | .0040  | .0087  | .00603 | .0272  | .00650 | .00064 |
| %RSD   | .19623  | .99006 | .39929 | .41835 | .69393 | 1.3384 | 3.3939 | .30508 |
| #1     | .83265  | 2.0385 | 1.0031 | 2.0617 | .86248 | 2.0156 | .19267 | .20797 |
| #2     | .83176  | 2.0782 | 1.0108 | 2.0750 | .87104 | 2.0222 | .19714 | .20908 |
| #3     | .83493  | 2.0667 | 1.0091 | 2.0779 | .87412 | 2.0657 | .18434 | .20906 |
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19632  | 1.1236 | .42133 | .20636 | .33820 | 3.2769 | .21760 | 2.1428 |
| Stddev | .00111  | .0177  | .00265 | .00178 | .00071 | .0383  | .00031 | .0309  |
| %RSD   | .56405  | 1.5788 | .63004 | .86297 | .20952 | 1.1692 | .14389 | 1.4437 |
| #1     | .19504  | 1.1328 | .42170 | .20430 | .33799 | 3.3179 | .21780 | 2.1207 |
| #2     | .19700  | 1.1349 | .41851 | .20739 | .33762 | 3.2710 | .21724 | 2.1295 |
| #3     | .19692  | 1.1032 | .42378 | .20739 | .33899 | 3.2420 | .21777 | 2.1781 |
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49667  | .07043 | 2.7303 | .29155 | .26693 | 9.6418 | .42024 | .38719 |
| Stddev | .00162  | .00033 | .0111  | .00061 | .00151 | .0694  | .00101 | .00958 |
| %RSD   | .32681  | .47005 | .40467 | .20893 | .56484 | .71997 | .24117 | 2.4748 |
| #1     | .49479  | .07081 | 2.7175 | .29089 | .26522 | 9.5616 | .41908 | .39823 |
| #2     | .49752  | .07027 | 2.7373 | .29166 | .26807 | 9.6812 | .42092 | .38234 |
| #3     | .49769  | .07021 | 2.7359 | .29210 | .26749 | 9.6825 | .42072 | .38101 |
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.20965 | 3.4660 | .68636 | .20165 | .18388 | 5.447  | .20067 | 1.7486 |
| Stddev | .00628  | .0374  | .00612 | .00213 | .00337 | .032   | .00046 | .0901  |
| %RSD   | 2.9943  | 1.0776 | .89209 | 1.0562 | 1.8347 | .5857  | .22926 | 5.1547 |
| #1     | -.21640 | 3.5072 | .68015 | .20389 | .18352 | 5.411  | .20014 | 1.6486 |
| #2     | -.20399 | 3.4343 | .69239 | .19965 | .18071 | 5.470  | .20098 | 1.8236 |
| #3     | -.20856 | 3.4566 | .68653 | .20141 | .18742 | 5.462  | .20089 | 1.7736 |

Sample Name: K1505-01MS      Acquired: 2/18/2019 16:28:20      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      11.669  
Stddev      .522  
%RSD      4.4696

#1      12.139  
#2      11.108  
#3      11.759

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3325.9 | 35450. | 3795.4 | 17.099 | 3544.7 |
| Stddev    | 5.9    | 163.   | 34.1   | .866   | 17.5   |
| %RSD      | .17787 | .46081 | .89721 | 5.0624 | .49469 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3332.7 | 35597. | 3762.0 | 16.257 | 3565.0 |
| #2 | 3323.1 | 35479. | 3794.3 | 17.986 | 3533.9 |
| #3 | 3322.0 | 35275. | 3830.0 | 17.055 | 3535.4 |

Sample Name: K1505-01MSD      Acquired: 2/18/2019 16:32:27      Type: Unk  
Method: P4-ICP2(v2872)      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    | .85337  | 2.0931 | 1.0267 | 2.1252 | .88944 | 2.0482 | .19206 | .21104 |
| Stddev | .00290  | .0102  | .0019  | .0176  | .00324 | .0367  | .00158 | .00061 |
| %RSD   | .34026  | .48632 | .18999 | .82913 | .36475 | 1.7939 | .82316 | .29027 |
| #1     | .85040  | 2.0817 | 1.0254 | 2.1137 | .88616 | 2.0099 | .19383 | .21062 |
| #2     | .85620  | 2.0960 | 1.0258 | 2.1455 | .89264 | 2.0516 | .19160 | .21076 |
| #3     | .85352  | 2.1014 | 1.0289 | 2.1163 | .88951 | 2.0831 | .19077 | .21175 |
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19953  | 1.1214 | .42339 | .20946 | .34484 | 3.2975 | .22006 | 2.1404 |
| Stddev | .00117  | .0050  | .00039 | .00104 | .00173 | .0158  | .00029 | .1013  |
| %RSD   | .58790  | .44822 | .09252 | .49819 | .50263 | .47977 | .13221 | 4.7344 |
| #1     | .19817  | 1.1173 | .42319 | .20832 | .34335 | 3.3124 | .22019 | 2.1523 |
| #2     | .20022  | 1.1270 | .42384 | .20969 | .34675 | 3.2994 | .22027 | 2.0336 |
| #3     | .20019  | 1.1199 | .42314 | .21037 | .34444 | 3.2809 | .21973 | 2.2352 |
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50447  | .07045 | 2.7316 | .29430 | .27456 | 9.6762 | .42697 | .38493 |
| Stddev | .00316  | .00045 | .0318  | .00078 | .00189 | .0474  | .00132 | .00507 |
| %RSD   | .62702  | .63533 | 1.1643 | .26461 | .68694 | .48967 | .31013 | 1.3171 |
| #1     | .50085  | .07082 | 2.7045 | .29342 | .27246 | 9.6265 | .42561 | .37920 |
| #2     | .50585  | .06995 | 2.7237 | .29458 | .27509 | 9.7208 | .42826 | .38884 |
| #3     | .50672  | .07058 | 2.7666 | .29491 | .27612 | 9.6814 | .42704 | .38674 |
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.21357 | 3.4661 | .69599 | .20323 | .18418 | 5.567  | .20224 | 2.1124 |
| Stddev | .00779  | .0193  | .00408 | .00336 | .00134 | .031   | .00104 | .1550  |
| %RSD   | 3.6484  | .55709 | .58665 | 1.6529 | .72948 | .5581  | .51588 | 7.3355 |
| #1     | -.20765 | 3.4884 | .69186 | .20507 | .18343 | 5.533  | .20108 | 2.0289 |
| #2     | -.22240 | 3.4553 | .69607 | .20526 | .18338 | 5.577  | .20254 | 2.0171 |
| #3     | -.21067 | 3.4547 | .70003 | .19935 | .18573 | 5.593  | .20310 | 2.2912 |

Sample Name: K1505-01MSD      Acquired: 2/18/2019 16:32:27      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.261 |
| Stddev | .618   |
| %RSD   | 5.4889 |

|    |        |
|----|--------|
| #1 | 10.587 |
| #2 | 11.395 |
| #3 | 11.802 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3236.2 | 34925. | 3736.6 | 15.709 | 3466.0 |
| Stddev    | 13.0   | 76.    | 24.7   | .424   | 8.2    |
| %RSD      | .40085 | .21773 | .66170 | 2.6967 | .23651 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3235.0 | 34932. | 3713.9 | 15.598 | 3475.1 |
| #2 | 3223.9 | 34997. | 3732.9 | 16.177 | 3463.9 |
| #3 | 3249.8 | 34846. | 3763.0 | 15.352 | 3459.1 |

Sample Name: K1505-01A      Acquired: 2/18/2019 16:36:31      Type: Unk  
Method: P4-ICP2(v2872)      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    | .85272 | 2.1032 | 1.0224 | 2.1297 | .89080 | 2.0888 | .20093 | .21476 |
| Stddev | .00568 | .0054  | .0019  | .0035  | .00344 | .0211  | .00304 | .00008 |
| %RSD   | .66569 | .25866 | .18165 | .16622 | .38582 | 1.0121 | 1.5109 | .03739 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85126 | 2.0976 | 1.0230 | 2.1263 | .89020 | 2.1132 | .20440 | .21469 |
| #2 | .84792 | 2.1035 | 1.0238 | 2.1334 | .88770 | 2.0773 | .19874 | .21485 |
| #3 | .85899 | 2.1084 | 1.0203 | 2.1296 | .89450 | 2.0760 | .19966 | .21474 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19986 | 1.1556 | .43378 | .20993 | .34548 | 3.3631 | .22463 | 2.1787 |
| Stddev | .00015 | .0158  | .00067 | .00036 | .00097 | .0132  | .00028 | .0527  |
| %RSD   | .07358 | 1.3672 | .15380 | .17201 | .28074 | .39164 | .12611 | 2.4173 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19979 | 1.1703 | .43324 | .21020 | .34630 | 3.3554 | .22485 | 2.1185 |
| #2 | .19976 | 1.1576 | .43453 | .20952 | .34441 | 3.3556 | .22431 | 2.2161 |
| #3 | .20003 | 1.1389 | .43357 | .21007 | .34574 | 3.3783 | .22474 | 2.2015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .50549 | .07238 | 2.7756 | .30033 | .27085 | 9.8135 | .42697 | .37828 |
| Stddev | .00144 | .00030 | .0199  | .00026 | .00058 | .0258  | .00065 | .01147 |
| %RSD   | .28467 | .42092 | .71764 | .08607 | .21272 | .26280 | .15292 | 3.0334 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50521 | .07262 | 2.7858 | .30004 | .27019 | 9.8356 | .42655 | .36592 |
| #2 | .50705 | .07204 | 2.7527 | .30044 | .27119 | 9.8199 | .42663 | .38032 |
| #3 | .50421 | .07249 | 2.7884 | .30052 | .27118 | 9.7852 | .42772 | .38860 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.20952 | 3.5271 | .69535 | .20653 | .18698 | 5.555  | .20685 | 2.8269 |
| Stddev | .01371  | .0182  | .00055 | .00295 | .00135 | .006   | .00080 | .1410  |
| %RSD   | 6.5443  | .51523 | .07978 | 1.4292 | .72088 | .1035  | .38663 | 4.9879 |

|    |         |        |        |        |        |       |        |        |
|----|---------|--------|--------|--------|--------|-------|--------|--------|
| #1 | -.21667 | 3.5062 | .69511 | .20324 | .18554 | 5.549 | .20646 | 2.9844 |
| #2 | -.21818 | 3.5358 | .69496 | .20737 | .18720 | 5.556 | .20632 | 2.7123 |
| #3 | -.19371 | 3.5393 | .69599 | .20896 | .18821 | 5.561 | .20777 | 2.7841 |

Sample Name: K1505-01A      Acquired: 2/18/2019 16:36:31      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.659 |
| Stddev | .208   |
| %RSD   | 1.7812 |

|    |        |
|----|--------|
| #1 | 11.782 |
| #2 | 11.775 |
| #3 | 11.419 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3260.1 | 34419. | 3687.6 | 16.034 | 3483.2 |
| Stddev    | 8.7    | 58.    | 6.9    | 1.732  | 3.1    |
| %RSD      | .26558 | .16910 | .18678 | 10.803 | .09026 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3261.1 | 34404. | 3690.8 | 15.048 | 3486.0 |
| #2 | 3268.3 | 34369. | 3692.2 | 15.020 | 3483.8 |
| #3 | 3251.1 | 34483. | 3679.7 | 18.034 | 3479.8 |

Sample Name: K1520-01      Acquired: 2/18/2019 16:40:36      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00002 | .00091 | .01673 | -.00238 | -.00201 | .05716 | -.00219 |
| Stddev | .00162  | .00222 | .00041 | .00086  | .00119  | .01779 | .00890  |
| %RSD   | 9337.7  | 243.05 | 2.4653 | 36.147  | 59.043  | 31.132 | 406.67  |

|    |         |         |        |         |         |        |         |
|----|---------|---------|--------|---------|---------|--------|---------|
| #1 | .00182  | -.00049 | .01627 | -.00148 | -.00120 | .04981 | .00153  |
| #2 | -.00066 | .00348  | .01706 | -.00320 | -.00337 | .04422 | .00425  |
| #3 | -.00121 | -.00024 | .01687 | -.00246 | -.00146 | .07745 | -.01235 |

|        |        |         |        |        |          |        |        |
|--------|--------|---------|--------|--------|----------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286   | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .00001 | -.00005 | 8.9015 | .00100 | -.00000  | .12018 | .34566 |
| Stddev | .00003 | .00009  | .0874  | .00037 | .00022   | .00048 | .00347 |
| %RSD   | 210.33 | 175.25  | .98226 | 36.631 | 2026100. | .39784 | 1.0030 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | -.00001 | -.00003 | 8.8901 | .00108 | -.00006 | .11978 | .34946 |
| #2 | .00001  | .00003  | 8.8203 | .00131 | -.00018 | .12006 | .34268 |
| #3 | .00004  | -.00015 | 8.9941 | .00060 | .00024  | .12071 | .34482 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01531 | 3.0680 | .00121 | .00024 | 52.598 | .00001 | .06051 |
| Stddev | .00023 | .0239  | .00028 | .00050 | .538   | .00024 | .00025 |
| %RSD   | 1.4851 | .77844 | 23.513 | 203.84 | 1.0227 | 2046.7 | .41945 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .01518 | 3.0606 | .00150 | -.00028 | 52.953 | .00014  | .06021 |
| #2 | .01557 | 3.0488 | .00120 | .00070  | 51.979 | -.00026 | .06065 |
| #3 | .01517 | 3.0948 | .00093 | .00031  | 52.862 | .00016  | .06066 |

|        |        |        |        |        |          |        |         |
|--------|--------|--------|--------|--------|----------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     |
| Avg    | 24.354 | .00034 | .04302 | 3.2427 | F 17.364 | .00101 | -.00348 |
| Stddev | .196   | .00024 | .00776 | .0272  | .156     | .00043 | .00263  |
| %RSD   | .80556 | 71.936 | 18.050 | .83897 | .89626   | 42.043 | 75.473  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | 24.457 | .00059 | .03728 | 3.2628 | 17.398 | .00118 | -.00544 |
| #2 | 24.127 | .00010 | .03992 | 3.2117 | 17.194 | .00133 | -.00050 |
| #3 | 24.476 | .00032 | .05185 | 3.2536 | 17.500 | .00053 | -.00451 |

Sample Name: K1520-01      Acquired: 2/18/2019 16:40:36      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.01679 | .6590  | .03960 | 3.2669 | F<.00000 |
| Stddev | .00315  | .0010  | .00034 | .1707  | .44859   |
| %RSD   | 18.745  | .1478  | .84985 | 5.2255 | 25.867   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01450 | .6579 | .03975 | 3.4640 | -2.1218 |
| #2 | -.02038 | .6595 | .03921 | 3.1730 | -1.2428 |
| #3 | -.01548 | .6596 | .03983 | 3.1638 | -1.8381 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3154.6 | 33341. | 3716.2 | 15.881 | 3307.6 |
| Stddev    | 20.6   | 141.   | 28.8   | .445   | 9.8    |
| %RSD      | .65292 | .42397 | .77586 | 2.7998 | .29667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3174.2 | 33320. | 3713.8 | 15.975 | 3310.6 |
| #2 | 3156.5 | 33212. | 3746.1 | 16.271 | 3296.7 |
| #3 | 3133.2 | 33492. | 3688.6 | 15.397 | 3315.6 |

Sample Name: K1508-03      Acquired: 2/18/2019 16:51:31      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-S      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .01105  | -.04132 | .22255 | -.08667 | -.01118 | 104.26 | .81132  | .00688  |
| Stddev | .00272  | .00169  | .00128 | .00111  | .00078  | .53    | .02222  | .00016  |
| %RSD   | 24.656  | 4.0794  | .57546 | 1.2814  | 6.9687  | .51280 | 2.7387  | 2.3204  |
| #1     | .01244  | -.04315 | .22183 | -.08641 | -.01112 | 104.35 | .81629  | .00706  |
| #2     | .00791  | -.03983 | .22180 | -.08789 | -.01044 | 104.74 | .83063  | .00680  |
| #3     | .01280  | -.04097 | .22403 | -.08572 | -.01199 | 103.69 | .78704  | .00677  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00247 | 58.463  | .16135 | .12078  | .31441  | 187.71 | 6.5030  | 63.825  |
| Stddev | .00044  | 1.481   | .00085 | .00025  | .00100  | 3.74   | .0202   | 1.727   |
| %RSD   | 17.773  | 2.5336  | .52394 | .20660  | .31964  | 1.9931 | .31128  | 2.7064  |
| #1     | -.00254 | 58.782  | .16232 | .12106  | .31541  | 187.14 | 6.4891  | 63.984  |
| #2     | -.00287 | 59.758  | .16075 | .12068  | .31442  | 191.70 | 6.4936  | 65.467  |
| #3     | -.00200 | 56.848  | .16097 | .12059  | .31340  | 184.28 | 6.5262  | 62.023  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .23888  | -.00252 | 14.336 | .23301  | .76872  | 16.466 | .00251  | -.03700 |
| Stddev | .00117  | .00165  | .398   | .00170  | .00075  | .367   | .00040  | .00490  |
| %RSD   | .48801  | 65.536  | 2.7753 | .72762  | .09757  | 2.2283 | 15.902  | 13.241  |
| #1     | .23966  | -.00233 | 14.377 | .23380  | .76845  | 16.481 | .00297  | -.03240 |
| #2     | .23944  | -.00097 | 14.711 | .23106  | .76957  | 16.825 | .00233  | -.03646 |
| #3     | .23754  | -.00425 | 13.919 | .23416  | .76815  | 16.091 | .00224  | -.04215 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .80033  | 2.4737  | .02387 | 2.2956  | .26588  | 5.706  | -.00611 | <.00000 |
| Stddev | .01240  | .0477   | .00067 | .0615   | .00532  | .011   | .00150  | .22059  |
| %RSD   | 1.5495  | 1.9277  | 2.8165 | 2.6792  | 1.9998  | .1972  | 24.633  | 18.786  |
| #1     | .81453  | 2.4848  | .02314 | 2.3106  | .26734  | 5.712  | -.00506 | -1.2257 |
| #2     | .79484  | 2.5149  | .02400 | 2.3483  | .27031  | 5.713  | -.00543 | -.93246 |
| #3     | .79162  | 2.4214  | .02446 | 2.2280  | .25999  | 5.693  | -.00783 | -1.3646 |

Sample Name: K1508-03      Acquired: 2/18/2019 16:51:31      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-S      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 467.32 |
| Stddev | 3.43     |
| %RSD   | .73297   |

|    |        |
|----|--------|
| #1 | 470.35 |
| #2 | 467.99 |
| #3 | 463.60 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3357.8 | 35538. | 4121.3 | 14.194 | 2903.8 |
| Stddev    | 1.2    | 26.    | 91.4   | 2.099  | 2.4    |
| %RSD      | .03495 | .07452 | 2.2184 | 14.789 | .08211 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3356.8 | 35511. | 4113.8 | 12.419 | 2904.0 |
| #2 | 3359.1 | 35540. | 4033.9 | 13.652 | 2901.3 |
| #3 | 3357.5 | 35564. | 4216.3 | 16.511 | 2906.1 |

Sample Name: K1508-03DUP      Acquired: 2/18/2019 16:56:04      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-SDUP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00887  | -.04260 | .22011 | -.08843 | -.00963 | 107.07 | .86796  | .00703  |
| Stddev | .00236  | .00118  | .00310 | .00471  | .00338  | .52    | .01229  | .00026  |
| %RSD   | 26.582  | 2.7761  | 1.4067 | 5.3234  | 35.068  | .48765 | 1.4163  | 3.6915  |
| #1     | .00899  | -.04138 | .21692 | -.08882 | -.01268 | 106.48 | .87660  | .00719  |
| #2     | .01116  | -.04268 | .22033 | -.09293 | -.00600 | 107.28 | .87340  | .00673  |
| #3     | .00645  | -.04374 | .22310 | -.08354 | -.01022 | 107.46 | .85389  | .00717  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00311 | 68.545  | .16271 | .12246  | .31443  | 195.38 | 6.6767  | 71.887  |
| Stddev | .00018  | .581    | .00044 | .00062  | .00090  | 1.92   | .0111   | .740    |
| %RSD   | 5.6447  | .84723  | .27130 | .50686  | .28554  | .98409 | .16563  | 1.0296  |
| #1     | -.00302 | 68.825  | .16321 | .12211  | .31410  | 195.42 | 6.6679  | 72.326  |
| #2     | -.00332 | 68.932  | .16236 | .12317  | .31544  | 197.29 | 6.6891  | 72.302  |
| #3     | -.00301 | 67.877  | .16257 | .12209  | .31373  | 193.44 | 6.6730  | 71.032  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .24518  | -.00161 | 15.345 | .23400  | .78898  | 16.782 | .00176  | -.02968 |
| Stddev | .00082  | .00022  | .171   | .00133  | .00128  | .180   | .00021  | .00064  |
| %RSD   | .33502  | 13.927  | 1.1125 | .56932  | .16246  | 1.0698 | 11.955  | 2.1618  |
| #1     | .24575  | -.00139 | 15.499 | .23386  | .79039  | 16.910 | .00167  | -.02936 |
| #2     | .24555  | -.00161 | 15.375 | .23540  | .78867  | 16.859 | .00199  | -.02927 |
| #3     | .24424  | -.00184 | 15.161 | .23275  | .78789  | 16.576 | .00160  | -.03042 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .80940  | 2.3986  | .02310 | 2.3282  | .28178  | 5.973  | -.00714 | <.00000 |
| Stddev | .02775  | .0677   | .00080 | .0121   | .00183  | .027   | .00159  | .09705  |
| %RSD   | 3.4290  | 2.8240  | 3.4776 | .52185  | .64951  | .4533  | 22.269  | 7.7523  |
| #1     | .77759  | 2.4551  | .02353 | 2.3421  | .28031  | 5.948  | -.00659 | -1.2003 |
| #2     | .82189  | 2.4172  | .02218 | 2.3194  | .28383  | 6.002  | -.00893 | -1.1915 |
| #3     | .82871  | 2.3235  | .02360 | 2.3231  | .28120  | 5.969  | -.00590 | -1.3638 |

Sample Name: K1508-03DUP      Acquired: 2/18/2019 16:56:04      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-12-SDUP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 475.01  
 Stddev      1.93  
 %RSD      .40563

#1      477.19  
 #2      474.29  
 #3      473.54

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3355.4 | 35635. | 4054.2 | 14.495 | 2880.3 |
| Stddev    | 3.2    | 72.    | 53.6   | 1.234  | 2.4    |
| %RSD      | .09676 | .20134 | 1.3220 | 8.5153 | .08165 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3358.6 | 35669. | 4015.6 | 15.718 | 2877.7 |
| #2 | 3355.4 | 35552. | 4031.7 | 13.249 | 2882.4 |
| #3 | 3352.1 | 35683. | 4115.4 | 14.517 | 2880.8 |

Sample Name: K1508-03LX5      Acquired: 2/18/2019 17:00:39      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00254  | -.00889 | .04225 | -.02324 | -.00269 | 23.768 | .19187  | .00136  |
| Stddev | .00307  | .00160  | .00154 | .00123  | .00154  | .095   | .00241  | .00012  |
| %RSD   | 120.90  | 17.997  | 3.6503 | 5.2895  | 57.406  | .40095 | 1.2557  | 8.4777  |
| #1     | .00303  | -.00850 | .04398 | -.02242 | -.00418 | 23.704 | .19327  | .00124  |
| #2     | .00534  | -.00752 | .04102 | -.02466 | -.00109 | 23.877 | .19325  | .00136  |
| #3     | -.00075 | -.01065 | .04174 | -.02265 | -.00280 | 23.722 | .18908  | .00147  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00236 | 15.279  | .03713 | .02474  | .07269  | 51.993 | 1.5969  | 16.437  |
| Stddev | .00006  | .105    | .00017 | .00018  | .00032  | .085   | .0056   | .105    |
| %RSD   | 2.5401  | .68567  | .46918 | .71767  | .44474  | .16363 | .34950  | .63939  |
| #1     | -.00237 | 15.349  | .03699 | .02484  | .07288  | 51.918 | 1.5905  | 16.558  |
| #2     | -.00229 | 15.330  | .03707 | .02485  | .07232  | 52.085 | 1.6009  | 16.376  |
| #3     | -.00241 | 15.159  | .03733 | .02454  | .07287  | 51.977 | 1.5993  | 16.376  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .04874  | .00075  | 3.3500 | .05353  | .15158  | 4.0294 | .00053  | .00213  |
| Stddev | .00044  | .00027  | .0149  | .00046  | .00065  | .0316  | .00018  | .00552  |
| %RSD   | .89713  | 35.516  | .44393 | .86517  | .42729  | .78496 | 34.279  | 259.46  |
| #1     | .04849  | .00076  | 3.3586 | .05324  | .15232  | 4.0112 | .00032  | -.00286 |
| #2     | .04848  | .00048  | 3.3328 | .05407  | .15132  | 4.0111 | .00060  | .00806  |
| #3     | .04924  | .00101  | 3.3585 | .05330  | .15110  | 4.0659 | .00065  | .00119  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .04000  | .57173  | .00550 | .53677  | .05771  | 1.167  | -.00937 | 3.4711  |
| Stddev | .01767  | .00658  | .00030 | .00082  | .00257  | .002   | .00043  | .0728   |
| %RSD   | 44.189  | 1.1501  | 5.4807 | .15291  | 4.4611  | .1548  | 4.6028  | 2.0961  |
| #1     | .02006  | .56827  | .00550 | .53643  | .05625  | 1.169  | -.00920 | 3.5261  |
| #2     | .04620  | .57931  | .00580 | .53771  | .06069  | 1.165  | -.00986 | 3.3886  |
| #3     | .05373  | .56760  | .00520 | .53618  | .05621  | 1.167  | -.00904 | 3.4986  |

Sample Name: K1508-03LX5      Acquired: 2/18/2019 17:00:39      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 95.138 |
| Stddev | .382     |
| %RSD   | .40196   |

|    |        |
|----|--------|
| #1 | 94.703 |
| #2 | 95.425 |
| #3 | 95.285 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3161.7 | 33233. | 3657.9 | 14.926 | 3153.9 |
| Stddev    | 10.3   | 169.   | 25.7   | .356   | 11.9   |
| %RSD      | .32496 | .50875 | .70315 | 2.3820 | .37737 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3154.8 | 33205. | 3643.2 | 14.607 | 3145.3 |
| #2 | 3156.7 | 33080. | 3642.9 | 15.309 | 3148.8 |
| #3 | 3173.5 | 33414. | 3687.6 | 14.861 | 3167.4 |

Sample Name: K1508-03MS      Acquired: 2/18/2019 17:04:59      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-SMS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .76733 | 2.0714 | 1.3096 | 1.6378 | .21924 | 128.67  | 1.0321 | .20303  |
| Stddev | .00273 | .0087  | .0021  | .0121  | .00022 | .13     | .0067  | .00025  |
| %RSD   | .35564 | .42023 | .15656 | .73867 | .10144 | .10315  | .65112 | .12193  |
| #1     | .76419 | 2.0814 | 1.3082 | 1.6278 | .21941 | 128.56  | 1.0397 | .20294  |
| #2     | .76864 | 2.0671 | 1.3087 | 1.6344 | .21931 | 128.82  | 1.0300 | .20331  |
| #3     | .76916 | 2.0657 | 1.3120 | 1.6513 | .21899 | 128.64  | 1.0268 | .20284  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21079 | 45.624 | .54143 | .35319 | .59812 | 196.64  | 6.7708 | 65.906  |
| Stddev | .00024 | .085   | .00257 | .00074 | .00115 | 1.12    | .0626  | .350    |
| %RSD   | .11192 | .18622 | .47544 | .20827 | .19307 | .57122  | .92448 | .53046  |
| #1     | .21066 | 45.540 | .53856 | .35404 | .59744 | 197.90  | 6.6994 | 66.293  |
| #2     | .21107 | 45.710 | .54353 | .35278 | .59746 | 195.75  | 6.8162 | 65.614  |
| #3     | .21065 | 45.622 | .54218 | .35275 | .59945 | 196.28  | 6.7967 | 65.810  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .78899 | .06264 | 18.422 | .51090 | 1.3137 | 27.259  | .33312 | .33831  |
| Stddev | .00279 | .00090 | .089   | .00134 | .0084  | .142    | .00249 | .01397  |
| %RSD   | .35346 | 1.4338 | .48057 | .26282 | .63639 | .52132  | .74655 | 4.1295  |
| #1     | .79124 | .06356 | 18.508 | .51087 | 1.3213 | 27.393  | .33170 | .35442  |
| #2     | .78986 | .06260 | 18.331 | .51226 | 1.3153 | 27.110  | .33167 | .33081  |
| #3     | .78587 | .06177 | 18.426 | .50957 | 1.3047 | 27.273  | .33599 | .32968  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | 1.0289 | 2.6453 | .73456 | 2.5430 | .49942 | F 12.19 | .17031 | <.00000 |
| Stddev | .0366  | .0135  | .00529 | .0027  | .00677 | .04     | .00113 | .21269  |
| %RSD   | 3.5573 | .50950 | .72064 | .10709 | 1.3557 | .3053   | .66484 | 28.338  |
| #1     | 1.0466 | 2.6511 | .73965 | 2.5434 | .49354 | 12.23   | .16951 | -.86105 |
| #2     | .98686 | 2.6299 | .72909 | 2.5454 | .49791 | 12.19   | .16981 | -.50535 |
| #3     | 1.0534 | 2.6550 | .73495 | 2.5401 | .50682 | 12.15   | .17160 | -.88525 |

Sample Name: K1508-03MS      Acquired: 2/18/2019 17:04:59      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-SMS      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 480.94 |
| Stddev | 2.72     |
| %RSD   | .56523   |

|    |        |
|----|--------|
| #1 | 479.05 |
| #2 | 479.71 |
| #3 | 484.05 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3378.5 | 35837. | 4038.0 | 14.627 | 2890.8 |
| Stddev    | 2.5    | 59.    | 10.3   | .172   | 13.3   |
| %RSD      | .07334 | .16363 | .25614 | 1.1767 | .45907 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3378.8 | 35852. | 4027.1 | 14.449 | 2879.4 |
| #2 | 3380.8 | 35772. | 4047.6 | 14.641 | 2887.6 |
| #3 | 3375.9 | 35886. | 4039.3 | 14.792 | 2905.4 |

Sample Name: K1508-03MSD      Acquired: 2/18/2019 17:09:26      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-SMSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .77358 | 2.0738 | 1.3088 | 1.6486 | .22076 | 127.77  | 1.0326 | .20523  |
| Stddev | .00644 | .0073  | .0010  | .0086  | .00137 | .45     | .0166  | .00063  |
| %RSD   | .83279 | .35038 | .07988 | .52260 | .62154 | .35241  | 1.6039 | .30882  |
| #1     | .77083 | 2.0771 | 1.3096 | 1.6417 | .21923 | 128.27  | 1.0429 | .20452  |
| #2     | .76896 | 2.0788 | 1.3092 | 1.6459 | .22116 | 127.38  | 1.0413 | .20574  |
| #3     | .78094 | 2.0655 | 1.3076 | 1.6582 | .22189 | 127.68  | 1.0135 | .20544  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21170 | 45.359 | .54603 | .35441 | .59971 | 196.87  | 6.7618 | 65.812  |
| Stddev | .00064 | .445   | .00301 | .00063 | .00226 | 2.94    | .0656  | .830    |
| %RSD   | .30006 | .98095 | .55097 | .17641 | .37751 | 1.4939  | .97055 | 1.2617  |
| #1     | .21109 | 45.718 | .54915 | .35390 | .59728 | 198.09  | 6.8332 | 66.156  |
| #2     | .21165 | 45.497 | .54315 | .35422 | .60011 | 199.01  | 6.7041 | 66.415  |
| #3     | .21235 | 44.861 | .54579 | .35510 | .60175 | 193.52  | 6.7482 | 64.865  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .78984 | .06311 | 18.282 | .51352 | 1.3317 | 27.343  | .33379 | .34666  |
| Stddev | .00141 | .00068 | .253   | .00095 | .0034  | .285    | .00127 | .00978  |
| %RSD   | .17828 | 1.0765 | 1.3827 | .18501 | .25270 | 1.0408  | .38147 | 2.8223  |
| #1     | .78840 | .06236 | 18.410 | .51351 | 1.3354 | 27.445  | .33334 | .34107  |
| #2     | .78991 | .06328 | 18.446 | .51257 | 1.3308 | 27.563  | .33280 | .35796  |
| #3     | .79121 | .06368 | 17.991 | .51447 | 1.3289 | 27.022  | .33522 | .34096  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .99717 | 2.6612 | .73706 | 2.5390 | .49557 | F 12.15 | .17078 | <.00000 |
| Stddev | .02521 | .0393  | .00064 | .0147  | .00225 | .02     | .00158 | .12871  |
| %RSD   | 2.5285 | 1.4751 | .08725 | .58077 | .45399 | .1630   | .92263 | 22.340  |
| #1     | 1.0227 | 2.6743 | .73778 | 2.5551 | .49562 | 12.17   | .17259 | -.43031 |
| #2     | .97227 | 2.6922 | .73685 | 2.5358 | .49780 | 12.14   | .16978 | -.67387 |
| #3     | .99655 | 2.6170 | .73654 | 2.5262 | .49330 | 12.14   | .16996 | -.62428 |

Sample Name: K1508-03MSD      Acquired: 2/18/2019 17:09:26      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-12-SMSD      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 480.79 |
| Stddev | 2.00     |
| %RSD   | .41497   |

|    |        |
|----|--------|
| #1 | 482.75 |
| #2 | 478.77 |
| #3 | 480.85 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3374.0 | 35598. | 4014.5 | 14.119 | 2892.7 |
| Stddev    | 10.9   | 122.   | 58.4   | .503   | 14.7   |
| %RSD      | .32169 | .34164 | 1.4553 | 3.5650 | .50894 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3361.5 | 35457. | 3985.2 | 14.585 | 2878.8 |
| #2 | 3380.9 | 35661. | 3976.6 | 14.186 | 2891.2 |
| #3 | 3379.7 | 35674. | 4081.8 | 13.585 | 2908.1 |

Sample Name: K1508-03A      Acquired: 2/18/2019 17:13:55      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7948      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |         |        |         |
|--------|--------|--------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .77772 | 2.0812 | 1.3107 | 1.6581 | .22287 | 127.03  | 1.0186 | .20475  |
| Stddev | .00293 | .0116  | .0054  | .0057  | .00047 | .90     | .0196  | .00087  |
| %RSD   | .37724 | .55691 | .41126 | .34239 | .21102 | .70565  | 1.9244 | .42528  |
| #1     | .77967 | 2.0904 | 1.3143 | 1.6546 | .22301 | 126.00  | 1.0412 | .20380  |
| #2     | .77435 | 2.0682 | 1.3045 | 1.6647 | .22327 | 127.63  | 1.0072 | .20550  |
| #3     | .77915 | 2.0849 | 1.3133 | 1.6551 | .22235 | 127.46  | 1.0073 | .20494  |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .21214 | 45.008 | .54445 | .35458 | .60228 | 195.98  | 6.7625 | 65.522  |
| Stddev | .00028 | .148   | .00044 | .00097 | .00155 | 1.96    | .0130  | .475    |
| %RSD   | .13140 | .32903 | .08154 | .27399 | .25669 | 1.0012  | .19196 | .72451  |
| #1     | .21231 | 45.174 | .54395 | .35546 | .60404 | 198.18  | 6.7612 | 66.062  |
| #2     | .21182 | 44.888 | .54478 | .35354 | .60163 | 194.40  | 6.7503 | 65.174  |
| #3     | .21228 | 44.963 | .54463 | .35475 | .60116 | 195.37  | 6.7761 | 65.328  |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .78865 | .06287 | 18.116 | .51109 | 1.3512 | 27.166  | .33577 | .38167  |
| Stddev | .00133 | .00005 | .176   | .00082 | .0029  | .248    | .00052 | .00468  |
| %RSD   | .16837 | .08516 | .97009 | .15949 | .21416 | .91200  | .15368 | 1.2269  |
| #1     | .78761 | .06293 | 18.318 | .51017 | 1.3481 | 27.448  | .33518 | .38046  |
| #2     | .78819 | .06285 | 18.028 | .51172 | 1.3517 | 26.984  | .33606 | .38684  |
| #3     | .79014 | .06283 | 18.001 | .51137 | 1.3538 | 27.065  | .33608 | .37772  |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774  | Sr4077 | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .99889 | 2.6532 | .73592 | 2.5397 | .49488 | F 12.15 | .16922 | <.00000 |
| Stddev | .02087 | .0396  | .00449 | .0201  | .00192 | .03     | .00156 | .07940  |
| %RSD   | 2.0891 | 1.4932 | .61004 | .79180 | .38798 | .2079   | .92373 | 15.689  |
| #1     | 1.0143 | 2.6984 | .73669 | 2.5512 | .49295 | 12.15   | .17082 | -.53655 |
| #2     | .97515 | 2.6244 | .73110 | 2.5164 | .49490 | 12.12   | .16913 | -.41595 |
| #3     | 1.0072 | 2.6368 | .73998 | 2.5513 | .49679 | 12.17   | .16770 | -.56572 |

Sample Name: K1508-03A      Acquired: 2/18/2019 17:13:55      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7948      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 484.21 |
| Stddev | 2.63     |
| %RSD   | .54298   |

|    |        |
|----|--------|
| #1 | 487.07 |
| #2 | 483.69 |
| #3 | 481.89 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3362.9 | 35540. | 4024.5 | 14.002 | 2891.4 |
| Stddev    | 5.4    | 29.    | 64.5   | .454   | 6.1    |
| %RSD      | .16002 | .08157 | 1.6024 | 3.2409 | .21269 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3362.5 | 35538. | 3950.1 | 13.775 | 2892.8 |
| #2 | 3368.4 | 35512. | 4064.2 | 13.707 | 2896.7 |
| #3 | 3357.7 | 35570. | 4059.3 | 14.525 | 2884.6 |

Sample Name: CCV05      Acquired: 2/18/2019 17:42:16      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14569      Custom ID2:      Custom ID3:  
Comment:

|        |        |          |        |        |        |        |        |          |
|--------|--------|----------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1231 | 4.8771   | 4.9165 | 4.9806 | 5.1442 | 9.6719 | 9.1808 | .25702   |
| Stddev | .0170  | .0044    | .0119  | .0272  | .0180  | .0442  | .0172  | .00132   |
| %RSD   | .33262 | .09016   | .24235 | .54518 | .35034 | .45654 | .18775 | .51318   |
| #1     | 5.1388 | 4.8817   | 4.9284 | 4.9980 | 5.1556 | 9.6712 | 9.1621 | .25625   |
| #2     | 5.1256 | 4.8768   | 4.9167 | 4.9945 | 5.1535 | 9.6281 | 9.1844 | .25627   |
| #3     | 5.1050 | 4.8729   | 4.9045 | 4.9493 | 5.1234 | 9.7164 | 9.1960 | .25854   |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5324 | 23.868   | 1.0003 | 2.5269 | 1.2328 | 5.1080 | 2.5684 | 24.250   |
| Stddev | .0087  | .056     | .0030  | .0102  | .0045  | .0425  | .0045  | .062     |
| %RSD   | .34181 | .23294   | .29628 | .40283 | .36216 | .83198 | .17589 | .25440   |
| #1     | 2.5413 | 23.884   | .99913 | 2.5357 | 1.2365 | 5.1535 | 2.5671 | 24.310   |
| #2     | 2.5319 | 23.807   | .99812 | 2.5293 | 1.2341 | 5.0694 | 2.5646 | 24.251   |
| #3     | 2.5240 | 23.914   | 1.0037 | 2.5158 | 1.2279 | 5.1010 | 2.5734 | 24.187   |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4552 | 1.1519   | 24.191 | 2.3548 | 2.4516 | 24.321 | 4.7232 | 4.5708   |
| Stddev | .0071  | .0010    | .080   | .0063  | .0081  | .076   | .0207  | .0223    |
| %RSD   | .28941 | .08607   | .32880 | .26668 | .32975 | .31271 | .43810 | .48749   |
| #1     | 2.4623 | 1.1507   | 24.275 | 2.3520 | 2.4581 | 24.409 | 4.7300 | 4.5937   |
| #2     | 2.4551 | 1.1525   | 24.117 | 2.3504 | 2.4543 | 24.281 | 4.7396 | 4.5492   |
| #3     | 2.4481 | 1.1525   | 24.181 | 2.3620 | 2.4426 | 24.273 | 4.6999 | 4.5694   |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7391 | F 4.4404 | 4.5706 | 4.7906 | 4.5247 | 4.762  | 4.9038 | F 5.9425 |
| Stddev | .0199  | .0189    | .0155  | .0185  | .0121  | .012   | .0129  | .1967    |
| %RSD   | .41925 | .42545   | .33882 | .38614 | .26719 | .2423  | .26378 | 3.3094   |
| #1     | 4.7476 | 4.4553   | 4.5853 | 4.7955 | 4.5108 | 4.754  | 4.8889 | 6.1457   |
| #2     | 4.7164 | 4.4191   | 4.5720 | 4.7701 | 4.5311 | 4.757  | 4.9124 | 5.7531   |
| #3     | 4.7532 | 4.4466   | 4.5544 | 4.8061 | 4.5322 | 4.776  | 4.9100 | 5.9287   |

Sample Name: CCV05      Acquired: 2/18/2019 17:42:16      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14569      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5096  
Stddev      .2862  
%RSD      11.403

#1      2.2679  
#2      2.4353  
#3      2.8256

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3030.7 | 31504. | 3482.3 | 14.470 | 3031.0 |
| Stddev    | 18.4   | 77.    | 16.0   | 1.327  | 15.5   |
| %RSD      | .60844 | .24460 | .45884 | 9.1681 | .50983 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3015.4 | 31469. | 3465.6 | 14.107 | 3016.6 |
| #2 | 3025.5 | 31592. | 3497.5 | 13.363 | 3029.1 |
| #3 | 3051.2 | 31450. | 3483.7 | 15.940 | 3047.3 |

Sample Name: CCB05      Acquired: 2/18/2019 17:46:16      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14569      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |         |         |         |
|--------|--------|--------|--------|---------|---------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00142 | .00142 | .00100 | -.00269 | -.00138 | -.01187 | -.00655 |
| Stddev | .00057 | .00094 | .00160 | .00054  | .00165  | .00989  | .00753  |
| %RSD   | 40.476 | 66.058 | 160.70 | 20.114  | 119.04  | 83.313  | 114.97  |

|    |        |        |         |         |         |         |         |
|----|--------|--------|---------|---------|---------|---------|---------|
| #1 | .00177 | .00247 | .00177  | -.00207 | .00052  | -.00685 | .00035  |
| #2 | .00076 | .00111 | .00206  | -.00296 | -.00227 | -.00550 | -.01457 |
| #3 | .00172 | .00068 | -.00085 | -.00305 | -.00240 | -.02326 | -.00542 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00006 | -.00006 | -.00382 | -.00000 | -.00020 | -.00049 | .00342 |
| Stddev | .00004  | .00010  | .01021  | .00033  | .00021  | .00019  | .00076 |
| %RSD   | 68.451  | 156.82  | 267.14  | 35467.  | 105.50  | 38.069  | 22.099 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00010 | .00003  | -.01043 | -.00035 | -.00022 | -.00037 | .00353 |
| #2 | -.00005 | -.00016 | .00794  | .00031  | .00002  | -.00070 | .00262 |
| #3 | -.00002 | -.00006 | -.00897 | .00004  | -.00040 | -.00039 | .00412 |

|        |         |         |        |        |         |        |         |
|--------|---------|---------|--------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00005 | -.01003 | .00029 | .00077 | -.19442 | .00046 | -.00060 |
| Stddev | .00006  | .03480  | .00011 | .00021 | .01161  | .00014 | .00007  |
| %RSD   | 110.40  | 346.97  | 36.632 | 27.215 | 5.9727  | 30.310 | 11.997  |

|    |         |         |        |        |         |        |         |
|----|---------|---------|--------|--------|---------|--------|---------|
| #1 | -.00004 | .01125  | .00022 | .00076 | -.18241 | .00061 | -.00068 |
| #2 | -.00012 | -.05020 | .00024 | .00098 | -.20558 | .00040 | -.00056 |
| #3 | -.00000 | .00885  | .00041 | .00056 | -.19527 | .00036 | -.00055 |

|        |        |        |         |           |        |        |         |
|--------|--------|--------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .15098 | .00015 | -.00151 | F -.16089 | .00336 | .00058 | -.00423 |
| Stddev | .03825 | .00009 | .00646  | .00487    | .00080 | .00031 | .00163  |
| %RSD   | 25.333 | 60.684 | 427.58  | 3.0276    | 23.709 | 54.210 | 38.436  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .18021 | .00026 | .00322  | -.15937 | .00420 | .00093 | -.00497 |
| #2 | .10769 | .00014 | -.00887 | -.15696 | .00262 | .00035 | -.00237 |
| #3 | .16503 | .00007 | .00112  | -.16634 | .00324 | .00044 | -.00537 |

Sample Name: CCB05      Acquired: 2/18/2019 17:46:16      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14569      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00798 | .0007  | .00036 | F 4.0308 | F<.00000 |
| Stddev | .00135  | .0006  | .00012 | .1162    | .23591   |
| %RSD   | 16.901  | 92.39  | 33.353 | 2.8831   | 25.387   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00741 | .0001 | .00048 | 3.9305 | -.86036 |
| #2 | -.00951 | .0006 | .00035 | 4.1581 | -.73550 |
| #3 | -.00700 | .0013 | .00024 | 4.0036 | -1.1920 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3155.9 | 33168. | 3537.6 | 14.167 | 3413.1 |
| Stddev    | 21.8   | 80.    | 41.5   | .411   | 14.5   |
| %RSD      | .68964 | .24077 | 1.1741 | 2.9015 | .42358 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3144.6 | 33208. | 3499.1 | 13.991 | 3405.2 |
| #2 | 3142.0 | 33076. | 3532.2 | 14.636 | 3404.4 |
| #3 | 3181.0 | 33220. | 3581.6 | 13.873 | 3429.8 |

Sample Name: K1508-07      Acquired: 2/18/2019 17:50:44      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-D      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00263  | -.03642 | .07166 | -.07093 | -.00783 | 71.858 | .42290  | .00527  |
| Stddev | .00073  | .00132  | .00068 | .00192  | .00123  | .056   | .00238  | .00013  |
| %RSD   | 27.622  | 3.6159  | .94248 | 2.7102  | 15.711  | .07859 | .56177  | 2.4698  |
| #1     | .00303  | -.03631 | .07196 | -.06930 | -.00759 | 71.818 | .42021  | .00539  |
| #2     | .00179  | -.03516 | .07088 | -.07305 | -.00674 | 71.923 | .42473  | .00513  |
| #3     | .00307  | -.03779 | .07213 | -.07044 | -.00916 | 71.833 | .42375  | .00530  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00447 | 21.736  | .12509 | .09607  | .20245  | 169.42 | 6.1028  | 40.931  |
| Stddev | .00025  | .105    | .00030 | .00019  | .00099  | .80    | .0102   | .042    |
| %RSD   | 5.6463  | .48354  | .23670 | .20251  | .48670  | .47007 | .16766  | .10362  |
| #1     | -.00420 | 21.652  | .12543 | .09614  | .20165  | 169.77 | 6.1146  | 40.887  |
| #2     | -.00469 | 21.701  | .12491 | .09623  | .20215  | 169.99 | 6.0973  | 40.971  |
| #3     | -.00453 | 21.854  | .12493 | .09585  | .20355  | 168.51 | 6.0966  | 40.935  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .17720  | .00040  | 5.1195 | .18831  | .59669  | 12.716 | .00131  | .00193  |
| Stddev | .00046  | .00044  | .0175  | .00055  | .00223  | .084   | .00016  | .00957  |
| %RSD   | .26079  | 110.80  | .34225 | .29126  | .37338  | .65960 | 11.884  | 496.60  |
| #1     | .17773  | .00034  | 5.1019 | .18787  | .59592  | 12.640 | .00142  | .00950  |
| #2     | .17695  | .00087  | 5.1195 | .18812  | .59920  | 12.806 | .00137  | .00511  |
| #3     | .17691  | -.00001 | 5.1370 | .18892  | .59495  | 12.701 | .00113  | -.00883 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00526 | 4.1443  | .01002 | 2.0852  | .17597  | 8.074  | -.07765 | <.00000 |
| Stddev | .01989  | .0192   | .00052 | .0052   | .00080  | .027   | .00083  | .11535  |
| %RSD   | 378.01  | .46348  | 5.1692 | .25102  | .45578  | .3353  | 1.0713  | 8.0128  |
| #1     | -.00185 | 4.1582  | .00942 | 2.0904  | .17545  | 8.086  | -.07820 | -1.3452 |
| #2     | .01270  | 4.1522  | .01026 | 2.0800  | .17690  | 8.093  | -.07806 | -1.4054 |
| #3     | -.02664 | 4.1224  | .01037 | 2.0850  | .17557  | 8.043  | -.07669 | -1.5682 |

Sample Name: K1508-07      Acquired: 2/18/2019 17:50:44      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-12-D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 404.06 |
| Stddev | 1.47     |
| %RSD   | .36483   |

|    |        |
|----|--------|
| #1 | 402.71 |
| #2 | 403.84 |
| #3 | 405.63 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3535.2 | 37200. | 4105.5 | 14.744 | 3055.2 |
| Stddev    | 5.3    | 119.   | 4.2    | .721   | 10.0   |
| %RSD      | .14930 | .31930 | .10323 | 4.8913 | .32707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3529.3 | 37079. | 4100.8 | 15.246 | 3050.1 |
| #2 | 3539.4 | 37207. | 4106.8 | 15.068 | 3048.7 |
| #3 | 3537.0 | 37316. | 4109.0 | 13.917 | 3066.7 |

Sample Name: K1508-11      Acquired: 2/18/2019 17:55:13      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-S      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00243  | -.03041 | .09821 | -.10582 | -.01166 | 182.57 | .74871  | .00928  |
| Stddev | .00696  | .00173  | .00242 | .00369  | .00400  | .55    | .01184  | .00013  |
| %RSD   | 285.92  | 5.6910  | 2.4638 | 3.4916  | 34.292  | .30026 | 1.5816  | 1.4007  |
| #1     | .00993  | -.03168 | .09664 | -.10772 | -.01545 | 182.31 | .73532  | .00941  |
| #2     | .00120  | -.03112 | .10100 | -.10817 | -.01204 | 182.20 | .75780  | .00927  |
| #3     | -.00383 | -.02844 | .09700 | -.10156 | -.00748 | 183.20 | .75302  | .00915  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00492 | 19.700  | .20080 | .13859  | .23877  | 219.27 | 6.2997  | 67.617  |
| Stddev | .00017  | .211    | .00167 | .00112  | .00074  | 1.60   | .0251   | .469    |
| %RSD   | 3.4770  | 1.0720  | .83019 | .80581  | .30813  | .72894 | .39820  | .69420  |
| #1     | -.00499 | 19.459  | .20221 | .13747  | .23954  | 217.55 | 6.2708  | 67.092  |
| #2     | -.00504 | 19.852  | .19896 | .13970  | .23807  | 220.71 | 6.3163  | 67.764  |
| #3     | -.00472 | 19.789  | .20123 | .13861  | .23870  | 219.56 | 6.3119  | 67.996  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .28241  | -.00149 | 12.794 | .26022  | .68776  | 20.177 | .00170  | -.04474 |
| Stddev | .00103  | .00008  | .123   | .00162  | .00197  | .223   | .00033  | .00490  |
| %RSD   | .36536  | 5.6694  | .96341 | .62118  | .28657  | 1.1051 | 19.391  | 10.942  |
| #1     | .28225  | -.00140 | 12.658 | .26139  | .68550  | 19.934 | .00200  | -.03974 |
| #2     | .28352  | -.00156 | 12.898 | .25837  | .68864  | 20.371 | .00175  | -.04497 |
| #3     | .28147  | -.00150 | 12.827 | .26089  | .68914  | 20.227 | .00135  | -.04952 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .44403  | 7.1334  | .01484 | 1.8949  | .32380  | 6.660  | -.04199 | <.00000 |
| Stddev | .01965  | .0691   | .00038 | .0152   | .00215  | .023   | .00151  | .36714  |
| %RSD   | 4.4246  | .96843  | 2.5691 | .80084  | .66463  | .3387  | 3.5873  | 37.909  |
| #1     | .42381  | 7.1684  | .01495 | 1.9110  | .32373  | 6.661  | -.04058 | -.57348 |
| #2     | .46305  | 7.1779  | .01441 | 1.8929  | .32168  | 6.682  | -.04357 | -1.2993 |
| #3     | .44523  | 7.0538  | .01515 | 1.8809  | .32599  | 6.637  | -.04181 | -1.0326 |

Sample Name: K1508-11      Acquired: 2/18/2019 17:55:13      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-S      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 535.21  
Stddev      3.46  
%RSD      .64677

#1      531.26  
#2      537.75  
#3      536.60

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3390.3 | 35150. | 3997.1 | 14.007 | 2908.4 |
| Stddev    | 9.7    | 179.   | 13.1   | 1.260  | 11.2   |
| %RSD      | .28674 | .50981 | .32816 | 8.9925 | .38353 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3389.2 | 34959. | 4009.8 | 12.935 | 2921.1 |
| #2 | 3400.6 | 35314. | 3983.6 | 13.691 | 2904.0 |
| #3 | 3381.2 | 35177. | 3997.9 | 15.395 | 2900.2 |

Sample Name: K1508-15      Acquired: 2/18/2019 17:59:48      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-D      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00403  | -.04028 | .07997 | -.07900 | -.00998 | 113.34 | .41387  | .00598  |
| Stddev | .00340  | .00078  | .00218 | .00387  | .00119  | .48    | .00614  | .00007  |
| %RSD   | 84.300  | 1.9324  | 2.7278 | 4.8974  | 11.900  | .42097 | 1.4828  | 1.2186  |
| #1     | .00133  | -.04117 | .08177 | -.07931 | -.00874 | 112.83 | .41371  | .00595  |
| #2     | .00785  | -.03980 | .08060 | -.07498 | -.01009 | 113.40 | .42008  | .00593  |
| #3     | .00291  | -.03985 | .07754 | -.08270 | -.01111 | 113.78 | .40781  | .00606  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00450 | 14.556  | .13716 | .09914  | .19966  | 178.40 | 5.9753  | 41.337  |
| Stddev | .00028  | .127    | .00128 | .00047  | .00049  | 1.61   | .0076   | .189    |
| %RSD   | 6.2908  | .87163  | .92979 | .47845  | .24335  | .90010 | .12674  | .45841  |
| #1     | -.00418 | 14.460  | .13569 | .09928  | .19924  | 176.66 | 5.9666  | 41.185  |
| #2     | -.00471 | 14.700  | .13780 | .09952  | .20020  | 179.81 | 5.9804  | 41.549  |
| #3     | -.00461 | 14.509  | .13799 | .09861  | .19955  | 178.73 | 5.9789  | 41.277  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .19131  | .00011  | 7.3422 | .21631  | .47558  | 12.917 | .00101  | -.01798 |
| Stddev | .00124  | .00063  | .0659  | .00222  | .00268  | .128   | .00019  | .00552  |
| %RSD   | .64564  | 581.86  | .89695 | 1.0260  | .56255  | .98706 | 19.017  | 30.705  |
| #1     | .19119  | -.00001 | 7.2888 | .21377  | .47856  | 12.774 | .00111  | -.02284 |
| #2     | .19260  | .00079  | 7.4158 | .21729  | .47340  | 13.020 | .00114  | -.01913 |
| #3     | .19014  | -.00045 | 7.3221 | .21786  | .47476  | 12.956 | .00079  | -.01198 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .29225  | 7.5300  | .01151 | 2.3392  | .18251  | 7.815  | -.09844 | <.00000 |
| Stddev | .00876  | .1510   | .00035 | .0077   | .00268  | .004   | .00151  | .17717  |
| %RSD   | 2.9967  | 2.0055  | 3.0385 | .32765  | 1.4710  | .0560  | 1.5315  | 8.5775  |
| #1     | .28243  | 7.6188  | .01177 | 2.3315  | .18220  | 7.819  | -.09676 | -1.8783 |
| #2     | .29926  | 7.6155  | .01165 | 2.3468  | .18533  | 7.815  | -.09969 | -2.2305 |
| #3     | .29505  | 7.3556  | .01111 | 2.3391  | .17999  | 7.810  | -.09886 | -2.0876 |

Sample Name: K1508-15      Acquired: 2/18/2019 17:59:48      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-13-D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 435.31 |
| Stddev | 1.81     |
| %RSD   | .41548   |

|    |        |
|----|--------|
| #1 | 433.27 |
| #2 | 436.74 |
| #3 | 435.91 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3531.3 | 36995. | 4149.6 | 15.419 | 3027.9 |
| Stddev    | 7.0    | 50.    | 33.7   | .896   | 9.9    |
| %RSD      | .19725 | .13501 | .81122 | 5.8122 | .32818 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3530.0 | 37044. | 4171.1 | 14.391 | 3027.9 |
| #2 | 3525.1 | 36944. | 4110.8 | 16.035 | 3018.0 |
| #3 | 3538.9 | 36998. | 4166.8 | 15.831 | 3037.9 |

Sample Name: K1511-01      Acquired: 2/18/2019 18:04:23      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: STONES      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |          |         |        |         |         |
|--------|---------|---------|--------|----------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960   | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm      | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.01585 | -.23355 | .02050 | -.09285  | -.00889 | 133.56 | .81783  | .00154  |
| Stddev | .00088  | .00166  | .00275 | .00341   | .00340  | .42    | .00734  | .00008  |
| %RSD   | 5.5821  | .70947  | 13.400 | 3.6769   | 38.218  | .31309 | .89699  | 5.1700  |
| #1     | -.01685 | -.23503 | .02090 | -.09202  | -.01246 | 133.55 | .81167  | .00157  |
| #2     | -.01520 | -.23386 | .02303 | -.09660  | -.00570 | 133.15 | .81588  | .00160  |
| #3     | -.01548 | -.23176 | .01757 | -.08992  | -.00851 | 133.98 | .82595  | .00145  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286   | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm      | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00181 | 26.586  | .41423 | .12896   | .05048  | 196.48 | 4.3002  | 103.54  |
| Stddev | .00029  | .120    | .00264 | .00005   | .00102  | 1.73   | .0049   | .19     |
| %RSD   | 15.724  | .45251  | .63845 | .03763   | 2.0149  | .88289 | .11425  | .18517  |
| #1     | -.00154 | 26.453  | .41145 | .12898   | .05128  | 194.88 | 4.2961  | 103.32  |
| #2     | -.00211 | 26.619  | .41451 | .12901   | .05082  | 198.33 | 4.2990  | 103.67  |
| #3     | -.00178 | 26.687  | .41672 | .12891   | .04933  | 196.24 | 4.3056  | 103.63  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924   | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm      | ppm     | ppm    | ppm     | ppm     |
| Avg    | .26063  | -.00606 | 1.3706 | .56470   | .55202  | 99.670 | -.00264 | -.01221 |
| Stddev | .00110  | .00011  | .0129  | .00267   | .00406  | .680   | .00016  | .00898  |
| %RSD   | .42379  | 1.7535  | .93815 | .47232   | .73581  | .68265 | 5.9396  | 73.526  |
| #1     | .26131  | -.00595 | 1.3651 | .56304   | .55097  | 98.949 | -.00272 | -.00614 |
| #2     | .25936  | -.00608 | 1.3614 | .56328   | .54859  | 99.758 | -.00274 | -.02252 |
| #3     | .26122  | -.00616 | 1.3852 | .56778   | .55650  | 100.30 | -.00246 | -.00796 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361   | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm      | ppm     | ppm    | ppm     | ppm     |
| Avg    | .35126  | 1.3760  | .03180 | F 13.404 | .34935  | 7.827  | -.17182 | <.00000 |
| Stddev | .02387  | .0187   | .00031 | .049     | .00237  | .012   | .00195  | .04990  |
| %RSD   | 6.7942  | 1.3554  | .97066 | .36206   | .67794  | .1498  | 1.1357  | 1.9670  |
| #1     | .32378  | 1.3565  | .03163 | 13.368   | .34876  | 7.821  | -.17004 | -2.5769 |
| #2     | .36678  | 1.3936  | .03216 | 13.385   | .34733  | 7.819  | -.17391 | -2.5528 |
| #3     | .36321  | 1.3779  | .03162 | 13.459   | .35196  | 7.840  | -.17151 | -2.4810 |

Sample Name: K1511-01      Acquired: 2/18/2019 18:04:23      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: STONES      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 517.14  
 Stddev      5.25  
 %RSD      1.0146

#1      513.81  
 #2      514.42  
 #3      523.19

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3617.2 | 37728. | 4346.8 | 14.348 | 2829.0 |
| Stddev    | 4.0    | 26.    | 18.8   | .498   | 11.8   |
| %RSD      | .11191 | .07002 | .43241 | 3.4719 | .41559 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3614.8 | 37711. | 4367.8 | 14.736 | 2836.2 |
| #2 | 3614.9 | 37714. | 4331.6 | 13.786 | 2835.4 |
| #3 | 3621.8 | 37758. | 4341.0 | 14.522 | 2815.5 |

Sample Name: K1515-01      Acquired: 2/18/2019 18:08:50      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .09438 | -.01423 | .26730 | -.06576 | -.00506 | 156.13 | .65738 | .00747 |
| Stddev | .00342 | .00308  | .00187 | .00377  | .00008  | .81    | .00924 | .00007 |
| %RSD   | 3.6243 | 21.656  | .70058 | 5.7382  | 1.6565  | .51916 | 1.4058 | .97918 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .09323 | -.01289 | .26919 | -.06165 | -.00516 | 156.55 | .64934 | .00756 |
| #2 | .09168 | -.01776 | .26726 | -.06907 | -.00502 | 156.64 | .65534 | .00743 |
| #3 | .09822 | -.01205 | .26545 | -.06656 | -.00501 | 155.19 | .66748 | .00744 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00294 | 21.374 | .23306 | .03230 | .16818 | 154.65 | 1.3003 | 16.231 |
| Stddev | .00009  | .167   | .00149 | .00025 | .00014 | .89    | .0013  | .103   |
| %RSD   | 3.1373  | .77915 | .64137 | .76207 | .08305 | .57517 | .09915 | .63481 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00294 | 21.285 | .23463 | .03246 | .16805 | 154.73 | 1.3017 | 16.215 |
| #2 | -.00285 | 21.271 | .23288 | .03243 | .16833 | 153.73 | 1.2991 | 16.136 |
| #3 | -.00303 | 21.566 | .23166 | .03202 | .16815 | 155.50 | 1.3001 | 16.341 |

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .08395 | -.00032 | .19957 | .33117 | .47315 | 7.2520 | .00272 | -.04833 |
| Stddev | .00109 | .00037  | .01436 | .00256 | .00050 | .0221  | .00029 | .00795  |
| %RSD   | 1.3039 | 115.24  | 7.1979 | .77387 | .10540 | .30504 | 10.661 | 16.443  |

|    |        |         |        |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|--------|---------|
| #1 | .08504 | .00005  | .18777 | .33413 | .47357 | 7.2301 | .00240 | -.05595 |
| #2 | .08286 | -.00032 | .21557 | .32986 | .47260 | 7.2515 | .00279 | -.04894 |
| #3 | .08395 | -.00069 | .19537 | .32954 | .47327 | 7.2743 | .00297 | -.04009 |

|        |        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077  | U_3670  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.8501 | 2.6238 | .01655 | .80267 | .08297 | 9.467  | -.07625 | <.00000 |
| Stddev | .0229  | .0144  | .00103 | .00159 | .00265 | .002   | .00085  | .26867  |
| %RSD   | 1.2369 | .54933 | 6.2033 | .19825 | 3.1978 | .0217  | 1.1137  | 19.733  |

|    |        |        |        |        |        |       |         |         |
|----|--------|--------|--------|--------|--------|-------|---------|---------|
| #1 | 1.8383 | 2.6327 | .01753 | .80370 | .08577 | 9.467 | -.07619 | -1.0882 |
| #2 | 1.8354 | 2.6317 | .01548 | .80346 | .08265 | 9.465 | -.07543 | -1.3712 |
| #3 | 1.8764 | 2.6072 | .01662 | .80083 | .08049 | 9.469 | -.07713 | -1.6253 |

Sample Name: K1515-01      Acquired: 2/18/2019 18:08:50      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-1      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 377.38  
Stddev      .80  
%RSD      .21177

#1      377.47  
#2      376.54  
#3      378.13

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3577.0 | 37333. | 4241.1 | 15.867 | 3063.7 |
| Stddev    | 9.8    | 193.   | 18.6   | 1.427  | 9.8    |
| %RSD      | .27534 | .51810 | .43906 | 8.9939 | .32029 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3579.2 | 37129. | 4237.9 | 17.436 | 3063.5 |
| #2 | 3566.3 | 37355. | 4261.2 | 15.520 | 3054.0 |
| #3 | 3585.6 | 37514. | 4224.3 | 14.646 | 3073.6 |

Sample Name: K1515-02      Acquired: 2/18/2019 18:13:11      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .10879  | -.01661 | .29428 | -.07016 | -.00836 | 180.92  | .73849  | .00836  |
| Stddev | .00194  | .00131  | .00038 | .00112  | .00183  | .64     | .00596  | .00016  |
| %RSD   | 1.7824  | 7.8681  | .13029 | 1.5990  | 21.910  | .35279  | .80759  | 1.9568  |
| #1     | .10939  | -.01745 | .29471 | -.07129 | -.00952 | 181.48  | .74071  | .00832  |
| #2     | .11035  | -.01728 | .29398 | -.07015 | -.00625 | 180.23  | .74303  | .00854  |
| #3     | .10662  | -.01511 | .29414 | -.06905 | -.00931 | 181.06  | .73173  | .00822  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00213 | 21.269  | .25303 | .03622  | .18606  | 164.40  | 1.4295  | 18.486  |
| Stddev | .00024  | .085    | .00121 | .00026  | .00111  | .44     | .0033   | .071    |
| %RSD   | 11.409  | .40076  | .47961 | .72914  | .59617  | .26601  | .23333  | .38486  |
| #1     | -.00241 | 21.193  | .25201 | .03595  | .18731  | 164.56  | 1.4308  | 18.438  |
| #2     | -.00194 | 21.253  | .25437 | .03625  | .18568  | 164.73  | 1.4321  | 18.454  |
| #3     | -.00205 | 21.361  | .25270 | .03647  | .18519  | 163.90  | 1.4258  | 18.568  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09646  | -.00089 | .27209 | .36255  | .52515  | 8.3375  | .00303  | -.05352 |
| Stddev | .00057  | .00004  | .01331 | .00166  | .00102  | .0755   | .00042  | .01373  |
| %RSD   | .58603  | 4.0590  | 4.8906 | .45883  | .19362  | .90540  | 13.934  | 25.660  |
| #1     | .09583  | -.00086 | .27150 | .36337  | .52403  | 8.3890  | .00312  | -.06798 |
| #2     | .09661  | -.00088 | .28568 | .36364  | .52539  | 8.2509  | .00257  | -.04065 |
| #3     | .09693  | -.00093 | .25909 | .36064  | .52602  | 8.3726  | .00340  | -.05193 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.0618  | 2.7341  | .03314 | .92260  | .10169  | F 10.90 | -.08854 | <.00000 |
| Stddev | .0367   | .0125   | .00028 | .00087  | .00137  | .05     | .00064  | .15953  |
| %RSD   | 1.7777  | .45642  | .83041 | .09474  | 1.3427  | .4598   | .72751  | 7.3154  |
| #1     | 2.0967  | 2.7305  | .03305 | .92182  | .10043  | 10.84   | -.08867 | -2.1425 |
| #2     | 2.0236  | 2.7480  | .03345 | .92245  | .10314  | 10.93   | -.08911 | -2.3558 |
| #3     | 2.0651  | 2.7238  | .03292 | .92355  | .10150  | 10.93   | -.08784 | -2.0437 |

Sample Name: K1515-02      Acquired: 2/18/2019 18:13:11      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-2      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 423.14  
Stddev      3.85  
%RSD      .90918

#1      418.78  
#2      426.07  
#3      424.56

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3648.0 | 37804. | 4320.9 | 14.977 | 3041.9 |
| Stddev    | 1.3    | 100.   | 16.9   | .421   | 4.6    |
| %RSD      | .03610 | .26549 | .38997 | 2.8122 | .15142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3646.6 | 37706. | 4308.6 | 15.460 | 3047.2 |
| #2 | 3649.3 | 37800. | 4314.1 | 14.792 | 3039.3 |
| #3 | 3648.1 | 37907. | 4340.1 | 14.681 | 3039.0 |

Sample Name: K1515-03      Acquired: 2/18/2019 18:17:40      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .09880  | -.01614 | .26706 | -.07655 | -.00867 | 167.53  | .68231  | .00744  |
| Stddev | .00275  | .00120  | .00088 | .00368  | .00121  | .58     | .00480  | .00012  |
| %RSD   | 2.7833  | 7.4168  | .32975 | 4.8063  | 13.950  | .34485  | .70335  | 1.6149  |
| #1     | .09988  | -.01559 | .26609 | -.07561 | -.01000 | 167.95  | .68716  | .00734  |
| #2     | .09568  | -.01533 | .26726 | -.07344 | -.00838 | 166.87  | .68219  | .00757  |
| #3     | .10085  | -.01752 | .26781 | -.08062 | -.00763 | 167.76  | .67757  | .00741  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00260 | 21.572  | .24861 | .04236  | .24555  | 171.43  | 1.4049  | 19.638  |
| Stddev | .00015  | .159    | .00124 | .00051  | .00123  | 1.04    | .0006   | .179    |
| %RSD   | 5.8552  | .73801  | .49883 | 1.2085  | .50222  | .60404  | .03987  | .91371  |
| #1     | -.00259 | 21.622  | .24999 | .04241  | .24552  | 172.59  | 1.4044  | 19.517  |
| #2     | -.00245 | 21.700  | .24828 | .04285  | .24680  | 171.07  | 1.4055  | 19.844  |
| #3     | -.00275 | 21.394  | .24757 | .04183  | .24434  | 170.61  | 1.4046  | 19.552  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .10666  | -.00090 | .28126 | .35463  | .51098  | 8.0242  | .00305  | -.05223 |
| Stddev | .00022  | .00041  | .00890 | .00196  | .00146  | .0568   | .00047  | .00418  |
| %RSD   | .20651  | 45.406  | 3.1627 | .55224  | .28590  | .70832  | 15.389  | 7.9998  |
| #1     | .10692  | -.00105 | .29148 | .35593  | .50990  | 8.0445  | .00354  | -.05630 |
| #2     | .10657  | -.00043 | .27526 | .35559  | .51264  | 8.0681  | .00300  | -.05244 |
| #3     | .10651  | -.00120 | .27703 | .35238  | .51040  | 7.9600  | .00261  | -.04795 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 1.9082  | 2.9168  | .02213 | 1.0324  | .09656  | F 10.05 | -.09696 | <.00000 |
| Stddev | .0223   | .0095   | .00130 | .0127   | .00224  | .02     | .00115  | .55351  |
| %RSD   | 1.1710  | .32538  | 5.8878 | 1.2295  | 2.3212  | .1734   | 1.1886  | 26.441  |
| #1     | 1.8840  | 2.9270  | .02250 | 1.0195  | .09554  | 10.04   | -.09829 | -1.6312 |
| #2     | 1.9126  | 2.9154  | .02068 | 1.0448  | .09500  | 10.07   | -.09616 | -2.7068 |
| #3     | 1.9281  | 2.9081  | .02320 | 1.0328  | .09913  | 10.05   | -.09645 | -1.9421 |

Sample Name: K1515-03      Acquired: 2/18/2019 18:17:40      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-3      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 438.67  
 Stddev      2.38  
 %RSD      .54330

#1      437.64  
 #2      441.40  
 #3      436.98

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3618.7 | 37543. | 4272.1 | 15.330 | 3049.3 |
| Stddev    | 9.1    | 213.   | 37.6   | .780   | 2.0    |
| %RSD      | .25269 | .56760 | .87924 | 5.0871 | .06470 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3608.2 | 37332. | 4237.4 | 14.556 | 3048.7 |
| #2 | 3624.6 | 37758. | 4266.9 | 16.116 | 3047.8 |
| #3 | 3623.4 | 37539. | 4312.0 | 15.318 | 3051.5 |

Sample Name: K1515-04      Acquired: 2/18/2019 18:22:08      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .09947  | -.01209 | .30199 | -.06099 | -.00668 | 167.60  | .70963  | .00823  |
| Stddev | .00245  | .00139  | .00173 | .00275  | .00268  | 3.41    | .00180  | .00029  |
| %RSD   | 2.4673  | 11.469  | .57208 | 4.5039  | 40.089  | 2.0349  | .25312  | 3.4887  |
| #1     | .09957  | -.01359 | .30337 | -.05795 | -.00861 | 166.07  | .70764  | .00795  |
| #2     | .09696  | -.01185 | .30255 | -.06171 | -.00362 | 165.22  | .71010  | .00822  |
| #3     | .10187  | -.01085 | .30006 | -.06330 | -.00779 | 171.51  | .71114  | .00853  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00232 | 17.635  | .22858 | .03187  | .17834  | 146.39  | 1.3803  | 16.523  |
| Stddev | .00017  | .106    | .00554 | .00035  | .00065  | .96     | .0288   | .026    |
| %RSD   | 7.5280  | .60360  | 2.4253 | 1.0969  | .36636  | .65237  | 2.0891  | .15643  |
| #1     | -.00212 | 17.552  | .22504 | .03222  | .17829  | 145.30  | 1.3633  | 16.494  |
| #2     | -.00243 | 17.755  | .22574 | .03189  | .17902  | 147.09  | 1.3639  | 16.540  |
| #3     | -.00242 | 17.599  | .23497 | .03152  | .17772  | 146.78  | 1.4136  | 16.536  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09061  | -.00057 | .18487 | .32534  | .51836  | 7.5402  | .00220  | -.03130 |
| Stddev | .00060  | .00028  | .01651 | .00853  | .00254  | .0129   | .00013  | .00849  |
| %RSD   | .66762  | 50.258  | 8.9309 | 2.6209  | .49026  | .17057  | 5.7143  | 27.116  |
| #1     | .09129  | -.00067 | .17401 | .32074  | .52127  | 7.5381  | .00234  | -.02281 |
| #2     | .09042  | -.00024 | .17673 | .32009  | .51661  | 7.5540  | .00211  | -.03130 |
| #3     | .09012  | -.00078 | .20387 | .33518  | .51718  | 7.5286  | .00214  | -.03979 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.0090  | 3.4029  | .02181 | .83305  | .09270  | F 11.24 | -.08607 | <.00000 |
| Stddev | .0411   | .0488   | .00107 | .00481  | .00035  | .03     | .00071  | .38093  |
| %RSD   | 2.0458  | 1.4336  | 4.8875 | .57738  | .37559  | .2751   | .81963  | 26.533  |
| #1     | 2.0500  | 3.3531  | .02077 | .83631  | .09236  | 11.28   | -.08526 | -1.5337 |
| #2     | 2.0091  | 3.4052  | .02290 | .82753  | .09306  | 11.22   | -.08652 | -1.7580 |
| #3     | 1.9678  | 3.4506  | .02176 | .83532  | .09269  | 11.23   | -.08645 | -1.0153 |

Sample Name: K1515-04      Acquired: 2/18/2019 18:22:08      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 368.32 |
| Stddev | 3.29     |
| %RSD   | .89298   |

|    |        |
|----|--------|
| #1 | 367.38 |
| #2 | 365.60 |
| #3 | 371.98 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3651.8 | 37384. | 4299.7 | 15.875 | 3077.6 |
| Stddev    | 2.1    | 687.   | 14.4   | .506   | 7.1    |
| %RSD      | .05807 | 1.8372 | .33512 | 3.1889 | .23180 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3654.0 | 37672. | 4308.2 | 16.377 | 3069.4 |
| #2 | 3649.7 | 37881. | 4283.0 | 15.364 | 3082.4 |
| #3 | 3651.7 | 36601. | 4307.8 | 15.884 | 3081.0 |

Sample Name: K1515-05      Acquired: 2/18/2019 18:26:29      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .09410  | -.01370 | .28534 | -.06494 | -.00615 | 161.63  | .67739  | .00763  |
| Stddev | .00528  | .00227  | .00417 | .00063  | .00065  | .70     | .00301  | .00010  |
| %RSD   | 5.6096  | 16.582  | 1.4600 | .97040  | 10.580  | .43535  | .44431  | 1.3414  |
| #1     | .08920  | -.01441 | .28121 | -.06513 | -.00548 | 160.99  | .67525  | .00762  |
| #2     | .09969  | -.01553 | .28954 | -.06545 | -.00678 | 162.39  | .67608  | .00753  |
| #3     | .09342  | -.01116 | .28526 | -.06424 | -.00619 | 161.53  | .68083  | .00773  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00231 | 23.953  | .22657 | .03156  | .17349  | 146.66  | 1.2441  | 17.514  |
| Stddev | .00010  | .067    | .00158 | .00034  | .00094  | 1.09    | .0015   | .175    |
| %RSD   | 4.2321  | .28036  | .69830 | 1.0767  | .53952  | .74604  | .11755  | .99830  |
| #1     | -.00242 | 23.920  | .22486 | .03125  | .17380  | 146.92  | 1.2442  | 17.338  |
| #2     | -.00225 | 23.908  | .22799 | .03151  | .17424  | 145.46  | 1.2426  | 17.517  |
| #3     | -.00226 | 24.030  | .22686 | .03192  | .17244  | 147.61  | 1.2455  | 17.687  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .08724  | -.00023 | .19907 | .31591  | .48374  | 7.4227  | .00311  | -.03691 |
| Stddev | .00014  | .00024  | .01381 | .00059  | .00150  | .0678   | .00021  | .01487  |
| %RSD   | .16407  | 103.68  | 6.9359 | .18747  | .30955  | .91408  | 6.8388  | 40.292  |
| #1     | .08740  | -.00043 | .18909 | .31644  | .48477  | 7.3458  | .00303  | -.05299 |
| #2     | .08720  | -.00028 | .21483 | .31602  | .48444  | 7.4482  | .00335  | -.03406 |
| #3     | .08712  | .00003  | .19329 | .31527  | .48203  | 7.4741  | .00295  | -.02366 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.2586  | 3.1341  | .01777 | .82480  | .08975  | F 10.58 | -.06256 | <.00000 |
| Stddev | .0101   | .0373   | .00008 | .00672  | .00093  | .01     | .00134  | .08636  |
| %RSD   | .44655  | 1.1915  | .43781 | .81467  | 1.0399  | .1289   | 2.1427  | 6.9581  |
| #1     | 2.2471  | 3.1441  | .01774 | .81904  | .08889  | 10.57   | -.06367 | -1.3122 |
| #2     | 2.2624  | 3.0928  | .01771 | .82317  | .09074  | 10.59   | -.06107 | -1.1450 |
| #3     | 2.2662  | 3.1654  | .01786 | .83218  | .08963  | 10.59   | -.06294 | -1.2664 |

Sample Name: K1515-05      Acquired: 2/18/2019 18:26:29      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-5      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 360.99  
 Stddev      .11  
 %RSD      .03048

#1      361.09  
 #2      360.88  
 #3      361.01

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3643.0 | 37713. | 4302.0 | 15.957 | 3073.3 |
| Stddev    | 9.8    | 91.    | 36.7   | 1.426  | 4.8    |
| %RSD      | .27014 | .24072 | .85311 | 8.9363 | .15608 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3637.1 | 37613. | 4271.7 | 15.939 | 3070.2 |
| #2 | 3654.4 | 37734. | 4342.8 | 14.540 | 3078.8 |
| #3 | 3637.7 | 37791. | 4291.5 | 17.392 | 3070.8 |

Sample Name: K1515-06      Acquired: 2/18/2019 18:30:51      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .10028  | -.01170 | .37686 | -.06705 | -.00756 | 155.65  | .66746  | .00761  |
| Stddev | .00400  | .00320  | .00161 | .00548  | .00308  | .91     | .00461  | .00012  |
| %RSD   | 3.9873  | 27.380  | .42706 | 8.1791  | 40.781  | .58581  | .69115  | 1.5513  |
| #1     | .10223  | -.01249 | .37547 | -.06295 | -.01096 | 155.83  | .66725  | .00747  |
| #2     | .10293  | -.00817 | .37862 | -.07328 | -.00496 | 154.66  | .66296  | .00765  |
| #3     | .09568  | -.01443 | .37647 | -.06493 | -.00675 | 156.46  | .67218  | .00770  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00219 | 22.826  | .23408 | .03332  | .19222  | 155.06  | 1.3355  | 16.984  |
| Stddev | .00035  | .108    | .00116 | .00042  | .00064  | 2.37    | .0029   | .139    |
| %RSD   | 15.986  | .47296  | .49611 | 1.2467  | .33136  | 1.5265  | .21931  | .82057  |
| #1     | -.00258 | 22.872  | .23420 | .03317  | .19151  | 157.79  | 1.3338  | 16.917  |
| #2     | -.00190 | 22.703  | .23287 | .03379  | .19274  | 153.66  | 1.3338  | 16.891  |
| #3     | -.00209 | 22.903  | .23518 | .03300  | .19239  | 153.73  | 1.3389  | 17.145  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .08675  | -.00069 | .45707 | .33559  | .49446  | 7.3146  | .00328  | -.05424 |
| Stddev | .00045  | .00031  | .00785 | .00307  | .00220  | .0423   | .00016  | .00130  |
| %RSD   | .51520  | 45.568  | 1.7177 | .91464  | .44519  | .57888  | 4.7241  | 2.3996  |
| #1     | .08638  | -.00037 | .44848 | .33367  | .49574  | 7.2801  | .00334  | -.05545 |
| #2     | .08725  | -.00069 | .45886 | .33397  | .49572  | 7.3019  | .00340  | -.05287 |
| #3     | .08662  | -.00100 | .46387 | .33913  | .49191  | 7.3618  | .00311  | -.05441 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.3886  | 2.1422  | .01797 | .81701  | .08448  | F 10.28 | -.06200 | <.00000 |
| Stddev | .0135   | .0230   | .00045 | .00308  | .00213  | .03     | .00265  | .34320  |
| %RSD   | .56379  | 1.0747  | 2.4832 | .37718  | 2.5178  | .2601   | 4.2748  | 17.279  |
| #1     | 2.3767  | 2.1640  | .01766 | .81789  | .08244  | 10.31   | -.06502 | -1.5993 |
| #2     | 2.4032  | 2.1181  | .01848 | .81359  | .08668  | 10.29   | -.06006 | -2.1059 |
| #3     | 2.3859  | 2.1444  | .01777 | .81956  | .08432  | 10.25   | -.06093 | -2.2537 |

Sample Name: K1515-06      Acquired: 2/18/2019 18:30:51      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-6      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 391.77  
Stddev      1.41  
%RSD      .36115

#1      392.10  
#2      390.22  
#3      392.99

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3664.0 | 38123. | 4299.9 | 15.861 | 3091.3 |
| Stddev    | 19.0   | 168.   | 24.1   | 1.161  | 15.2   |
| %RSD      | .51908 | .44007 | .56139 | 7.3180 | .49291 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3654.0 | 37982. | 4272.9 | 16.011 | 3082.9 |
| #2 | 3652.0 | 38309. | 4319.5 | 16.940 | 3082.1 |
| #3 | 3685.9 | 38079. | 4307.1 | 14.633 | 3108.9 |

Sample Name: CCV06      Acquired: 2/18/2019 18:35:19      Type: Unk  
Method: P4-ICP2(v2872)      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    | 5.1788 | 4.9089   | 4.9696 | 5.0048 | 5.1671   | 9.7281 | 9.1256 | .25992   |
| Stddev | .0197  | .0107    | .0257  | .0269  | .0402    | .1069  | .1179  | .00075   |
| %RSD   | .38114 | .21756   | .51770 | .53801 | .77719   | 1.0991 | 1.2914 | .28735   |
| #1     | 5.1747 | 4.9151   | 4.9984 | 4.9935 | 5.1646   | 9.6360 | 9.2051 | .26035   |
| #2     | 5.1615 | 4.9149   | 4.9618 | 4.9854 | 5.1283   | 9.8453 | 8.9902 | .25906   |
| #3     | 5.2003 | 4.8965   | 4.9488 | 5.0355 | 5.2085   | 9.7030 | 9.1814 | .26035   |
| Elem   | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5618 | 24.096   | 1.0263 | 2.5582 | 1.2416   | 5.2261 | 2.6087 | 24.558   |
| Stddev | .0119  | .193     | .0025  | .0098  | .0043    | .0562  | .0054  | .206     |
| %RSD   | .46412 | .80082   | .24401 | .38329 | .34450   | 1.0757 | .20614 | .84052   |
| #1     | 2.5753 | 23.946   | 1.0276 | 2.5693 | 1.2402   | 5.2664 | 2.6118 | 24.366   |
| #2     | 2.5568 | 24.029   | 1.0234 | 2.5545 | 1.2381   | 5.1619 | 2.6025 | 24.531   |
| #3     | 2.5532 | 24.314   | 1.0278 | 2.5507 | 1.2464   | 5.2500 | 2.6119 | 24.776   |
| Elem   | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.4750 | 1.1738   | 23.859 | 2.3791 | 2.4739   | 24.042 | 4.7692 | 4.5927   |
| Stddev | .0124  | .0023    | .261   | .0085  | .0105    | .175   | .0190  | .0184    |
| %RSD   | .50300 | .19621   | 1.0944 | .35586 | .42309   | .72992 | .39758 | .40093   |
| #1     | 2.4878 | 1.1757   | 24.007 | 2.3849 | 2.4855   | 24.222 | 4.7609 | 4.5810   |
| #2     | 2.4742 | 1.1744   | 23.557 | 2.3694 | 2.4710   | 23.872 | 4.7559 | 4.5831   |
| #3     | 2.4629 | 1.1712   | 24.011 | 2.3831 | 2.4652   | 24.032 | 4.7909 | 4.6139   |
| Elem   | S_1820 | Si2881   | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.6982 | F 4.4862 | 4.6300 | 4.8272 | F 4.4732 | 4.781  | 4.9041 | F 6.7408 |
| Stddev | .0165  | .0404    | .0199  | .0185  | .0526    | .008   | .0554  | .1195    |
| %RSD   | .35165 | .90082   | .42867 | .38264 | 1.1753   | .1749  | 1.1295 | 1.7729   |
| #1     | 4.7151 | 4.5139   | 4.6516 | 4.8080 | 4.5028   | 4.786  | 4.9346 | 6.8771   |
| #2     | 4.6820 | 4.4398   | 4.6256 | 4.8287 | 4.4125   | 4.785  | 4.8402 | 6.6916   |
| #3     | 4.6976 | 4.5049   | 4.6127 | 4.8448 | 4.5042   | 4.771  | 4.9375 | 6.6538   |

Sample Name: CCV06      Acquired: 2/18/2019 18:35:19      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.6038 |
| Stddev | 1.0430   |
| %RSD   | 40.055   |

|    |        |
|----|--------|
| #1 | 3.5882 |
| #2 | 2.7126 |
| #3 | 1.5108 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3015.4 | 31057. | 3461.2 | 12.539 | 3021.9 |
| Stddev    | 19.3   | 104.   | 42.1   | .801   | 16.3   |
| %RSD      | .63900 | .33599 | 1.2170 | 6.3848 | .53825 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3015.0 | 30940. | 3426.8 | 12.985 | 3003.3 |
| #2 | 3034.8 | 31140. | 3508.2 | 11.615 | 3033.2 |
| #3 | 2996.3 | 31090. | 3448.5 | 13.018 | 3029.3 |

Sample Name: CCB06      Acquired: 2/18/2019 18:39:19      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00047 | -.00010 | .00124 | .00042 | -.00117 | -.00246 | -.00264 |
| Stddev | .00269 | .00067  | .00073 | .00076 | .00096  | .00473  | .00089  |
| %RSD   | 569.48 | 668.11  | 58.813 | 182.14 | 81.660  | 192.36  | 33.698  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00051 | -.00054 | .00073 | -.00038 | -.00027 | .00131  | -.00180 |
| #2 | .00352  | -.00043 | .00207 | .00051  | -.00107 | -.00777 | -.00358 |
| #3 | -.00160 | .00067  | .00091 | .00114  | -.00218 | -.00091 | -.00254 |

|        |         |         |         |         |         |         |        |
|--------|---------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00001 | -.00002 | -.00544 | -.00001 | -.00005 | -.00081 | .00346 |
| Stddev | .00010  | .00007  | .01415  | .00037  | .00011  | .00014  | .00262 |
| %RSD   | 732.06  | 283.72  | 260.00  | 2641.1  | 225.34  | 17.170  | 75.785 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00012 | -.00006 | -.02082 | -.00037 | .00007  | -.00093 | .00481 |
| #2 | .00007  | -.00007 | .00702  | .00036  | -.00008 | -.00085 | .00513 |
| #3 | .00001  | .00006  | -.00252 | -.00003 | -.00013 | -.00066 | .00044 |

|        |         |         |         |        |         |        |         |
|--------|---------|---------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00002 | -.06354 | -.00043 | .00046 | -.20605 | .00065 | -.00066 |
| Stddev | .00002  | .09753  | .00031  | .00039 | .00583  | .00025 | .00005  |
| %RSD   | 67.523  | 153.49  | 71.980  | 85.459 | 2.8281  | 37.927 | 6.9442  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00001 | .04521  | -.00038 | .00030 | -.20270 | .00055 | -.00061 |
| #2 | -.00002 | -.14325 | -.00015 | .00091 | -.20267 | .00047 | -.00070 |
| #3 | -.00004 | -.09258 | -.00077 | .00018 | -.21278 | .00093 | -.00068 |

|        |        |        |         |           |        |         |         |
|--------|--------|--------|---------|-----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm     | ppm     |
| Avg    | .18187 | .00013 | -.00372 | F -.17052 | .00120 | -.00003 | -.00462 |
| Stddev | .05368 | .00008 | .00752  | .01344    | .00125 | .00052  | .00309  |
| %RSD   | 29.517 | 57.343 | 202.26  | 7.8819    | 103.80 | 1497.5  | 66.893  |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .24051 | .00021 | -.00790 | -.16784 | .00037 | .00043  | -.00110 |
| #2 | .16997 | .00014 | -.00823 | -.18510 | .00264 | -.00060 | -.00688 |
| #3 | .13514 | .00005 | .00497  | -.15863 | .00060 | .00006  | -.00590 |

Sample Name: CCB06      Acquired: 2/18/2019 18:39:19      Type: Unk  
Method: P4-ICP2(v2872)      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       | -.00701 | .0017  | .00045 | F 4.2703 | F<.00000 |
| Stddev    | .00268  | .0013  | .00017 | .2469    | .16590   |
| %RSD      | 38.280  | 77.40  | 39.027 | 5.7809   | 7.0457   |
| #1        | -.00394 | .0002  | .00065 | 3.9853   | -2.4644  |
| #2        | -.00818 | .0020  | .00032 | 4.4103   | -2.1638  |
| #3        | -.00890 | .0027  | .00038 | 4.4154   | -2.4358  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3195.2  | 33269. | 3522.2 | 15.060   | 3433.8   |
| Stddev    | 17.3    | 55.    | 42.8   | 1.221    | 24.3     |
| %RSD      | .54054  | .16452 | 1.2162 | 8.1045   | .70767   |
| #1        | 3176.3  | 33327. | 3474.7 | 14.745   | 3408.2   |
| #2        | 3210.2  | 33219. | 3534.0 | 16.407   | 3456.6   |
| #3        | 3199.2  | 33260. | 3557.9 | 14.027   | 3436.7   |

Sample Name: K1515-07      Acquired: 2/18/2019 18:43:48      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .10326  | -.01145 | .27618 | -.07367 | -.00851 | 177.55  | .72625  | .00801  |
| Stddev | .00178  | .00194  | .00347 | .00187  | .00290  | 1.91    | .00430  | .00018  |
| %RSD   | 1.7216  | 16.978  | 1.2571 | 2.5345  | 34.100  | 1.0766  | .59247  | 2.2160  |
| #1     | .10193  | -.01020 | .27685 | -.07577 | -.00655 | 176.32  | .72776  | .00791  |
| #2     | .10258  | -.01045 | .27243 | -.07305 | -.00713 | 176.58  | .72140  | .00790  |
| #3     | .10528  | -.01369 | .27927 | -.07220 | -.01184 | 179.75  | .72960  | .00822  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00291 | 25.970  | .25990 | .03676  | .17286  | 172.43  | 1.4080  | 18.511  |
| Stddev | .00009  | .115    | .00264 | .00021  | .00050  | .76     | .0016   | .136    |
| %RSD   | 3.2078  | .44368  | 1.0174 | .57591  | .29136  | .43857  | .11508  | .73429  |
| #1     | -.00297 | 25.838  | .25748 | .03689  | .17246  | 172.69  | 1.4076  | 18.372  |
| #2     | -.00296 | 26.020  | .25950 | .03652  | .17343  | 173.03  | 1.4066  | 18.518  |
| #3     | -.00280 | 26.051  | .26272 | .03689  | .17271  | 171.58  | 1.4098  | 18.644  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09333  | -.00118 | .40246 | .38095  | .52114  | 7.7692  | .00310  | -.05117 |
| Stddev | .00032  | .00031  | .00654 | .00163  | .00014  | .0597   | .00031  | .01436  |
| %RSD   | .34183  | 26.435  | 1.6241 | .42815  | .02659  | .76786  | 10.030  | 28.063  |
| #1     | .09331  | -.00102 | .39658 | .38187  | .52121  | 7.8210  | .00343  | -.03814 |
| #2     | .09302  | -.00098 | .40131 | .37907  | .52098  | 7.7040  | .00305  | -.04880 |
| #3     | .09365  | -.00154 | .40950 | .38192  | .52123  | 7.7825  | .00281  | -.06656 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.1009  | 2.4979  | .03363 | .84149  | .10502  | F 10.07 | -.07790 | <.00000 |
| Stddev | .0330   | .0540   | .00116 | .00358  | .00277  | .02     | .00152  | .10333  |
| %RSD   | 1.5708  | 2.1605  | 3.4403 | .42504  | 2.6361  | .1654   | 1.9459  | 4.7718  |
| #1     | 2.0780  | 2.5445  | .03409 | .83807  | .10271  | 10.07   | -.07907 | -2.2696 |
| #2     | 2.0861  | 2.5104  | .03449 | .84119  | .10426  | 10.09   | -.07845 | -2.1636 |
| #3     | 2.1388  | 2.4387  | .03231 | .84521  | .10809  | 10.06   | -.07619 | -2.0629 |

Sample Name: K1515-07      Acquired: 2/18/2019 18:43:48      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-7      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 442.91  
Stddev      .84  
%RSD      .18874

#1      442.60  
#2      443.85  
#3      442.27

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3665.4 | 37976. | 4289.4 | 15.373 | 3076.8 |
| Stddev    | 6.3    | 185.   | 13.1   | .775   | 2.4    |
| %RSD      | .17299 | .48610 | .30489 | 5.0440 | .07678 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3670.8 | 38083. | 4284.5 | 16.265 | 3079.3 |
| #2 | 3667.0 | 38081. | 4279.5 | 14.991 | 3076.5 |
| #3 | 3658.4 | 37763. | 4304.3 | 14.862 | 3074.6 |

Sample Name: K1515-08      Acquired: 2/18/2019 18:48:18      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .09453  | -.01173 | .34239 | -.07040 | -.00840 | 162.58 | .68135  | .00776  |
| Stddev | .00234  | .00047  | .00169 | .00192  | .00295  | .11    | .00321  | .00004  |
| %RSD   | 2.4797  | 3.9744  | .49475 | 2.7200  | 35.076  | .06868 | .47171  | .49698  |
| #1     | .09694  | -.01182 | .34044 | -.07262 | -.00637 | 162.49 | .68042  | .00779  |
| #2     | .09438  | -.01215 | .34341 | -.06933 | -.01178 | 162.71 | .67870  | .00771  |
| #3     | .09226  | -.01123 | .34333 | -.06927 | -.00704 | 162.54 | .68492  | .00777  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00286 | 22.393  | .24405 | .03353  | .17599  | 162.12 | 1.3975  | 17.094  |
| Stddev | .00023  | .079    | .00094 | .00015  | .00072  | 1.09   | .0013   | .081    |
| %RSD   | 8.1895  | .35416  | .38497 | .45316  | .40833  | .67386 | .09095  | .47484  |
| #1     | -.00297 | 22.322  | .24500 | .03354  | .17517  | 162.87 | 1.3984  | 17.106  |
| #2     | -.00259 | 22.379  | .24312 | .03368  | .17633  | 160.87 | 1.3979  | 17.007  |
| #3     | -.00301 | 22.478  | .24403 | .03337  | .17648  | 162.63 | 1.3960  | 17.168  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .08637  | -.00058 | .26671 | .34779  | .47456  | 7.3882 | .00308  | -.03703 |
| Stddev | .00038  | .00057  | .00301 | .00220  | .00055  | .0621  | .00027  | .00214  |
| %RSD   | .43924  | 98.652  | 1.1278 | .63362  | .11547  | .84039 | 8.8166  | 5.7918  |
| #1     | .08613  | -.00001 | .26488 | .35011  | .47497  | 7.3652 | .00336  | -.03460 |
| #2     | .08681  | -.00115 | .27018 | .34572  | .47478  | 7.3409 | .00305  | -.03863 |
| #3     | .08618  | -.00058 | .26507 | .34754  | .47394  | 7.4586 | .00282  | -.03788 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | 1.9497  | 2.4145  | .02015 | .82981  | .09153  | 9.853  | -.08524 | <.00000 |
| Stddev | .0215   | .0285   | .00060 | .00526  | .00287  | .011   | .00128  | .42215  |
| %RSD   | 1.1033  | 1.1824  | 2.9614 | .63395  | 3.1400  | .1157  | 1.5051  | 21.404  |
| #1     | 1.9710  | 2.4414  | .01969 | .82709  | .09484  | 9.861  | -.08665 | -2.2974 |
| #2     | 1.9280  | 2.3846  | .01992 | .82646  | .08969  | 9.858  | -.08414 | -1.4952 |
| #3     | 1.9502  | 2.4175  | .02082 | .83587  | .09006  | 9.840  | -.08492 | -2.1243 |

Sample Name: K1515-08      Acquired: 2/18/2019 18:48:18      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 409.68 |
| Stddev | 3.34     |
| %RSD   | .81433   |

|    |        |
|----|--------|
| #1 | 413.52 |
| #2 | 408.01 |
| #3 | 407.51 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3664.9 | 37650. | 4277.9 | 15.632 | 3104.4 |
| Stddev    | 1.7    | 123.   | 10.2   | .646   | 6.9    |
| %RSD      | .04672 | .32777 | .23905 | 4.1298 | .22182 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3663.6 | 37573. | 4282.0 | 16.375 | 3097.4 |
| #2 | 3666.8 | 37585. | 4285.4 | 15.312 | 3104.6 |
| #3 | 3664.2 | 37792. | 4266.2 | 15.209 | 3111.2 |

Sample Name: K1515-09      Acquired: 2/18/2019 18:52:47      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-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    | .10396  | -.01490 | .25976 | -.08338 | -.00810 | 204.74 | .76859  | .00834  |
| Stddev | .00372  | .00278  | .00170 | .00375  | .00106  | .71    | .00465  | .00018  |
| %RSD   | 3.5804  | 18.662  | .65601 | 4.4913  | 13.134  | .34829 | .60461  | 2.1095  |
| #1     | .10065  | -.01207 | .26116 | -.08711 | -.00930 | 204.09 | .77347  | .00818  |
| #2     | .10799  | -.01499 | .25787 | -.08342 | -.00727 | 205.50 | .76421  | .00831  |
| #3     | .10324  | -.01763 | .26026 | -.07962 | -.00773 | 204.62 | .76811  | .00853  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00352 | 20.470  | .28573 | .03726  | .16604  | 185.47 | 1.4356  | 20.073  |
| Stddev | .00008  | .054    | .00118 | .00019  | .00124  | .91    | .0018   | .111    |
| %RSD   | 2.1945  | .26618  | .41399 | .50050  | .74388  | .49046 | .12441  | .55402  |
| #1     | -.00353 | 20.531  | .28571 | .03747  | .16740  | 185.74 | 1.4340  | 20.116  |
| #2     | -.00344 | 20.426  | .28455 | .03715  | .16499  | 184.45 | 1.4375  | 19.947  |
| #3     | -.00360 | 20.452  | .28692 | .03715  | .16572  | 186.21 | 1.4353  | 20.157  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .09821  | -.00158 | .30392 | .41274  | .49720  | 8.6857 | .00319  | -.05930 |
| Stddev | .00076  | .00037  | .01037 | .00178  | .00248  | .0590  | .00019  | .00402  |
| %RSD   | .77661  | 23.684  | 3.4123 | .43086  | .49785  | .67985 | 5.8094  | 6.7827  |
| #1     | .09747  | -.00197 | .29259 | .41264  | .49631  | 8.6198 | .00307  | -.05466 |
| #2     | .09899  | -.00122 | .30624 | .41102  | .50000  | 8.7338 | .00340  | -.06153 |
| #3     | .09817  | -.00155 | .31294 | .41457  | .49529  | 8.7034 | .00310  | -.06171 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | 1.9598  | 2.7723  | .02062 | .89271  | .11889  | 9.323  | -.11454 | <.00000 |
| Stddev | .0681   | .0472   | .00222 | .00438  | .00209  | .037   | .00102  | .36240  |
| %RSD   | 3.4764  | 1.7040  | 10.773 | .49039  | 1.7600  | .3965  | .89366  | 16.344  |
| #1     | 1.9558  | 2.8133  | .01934 | .89529  | .11647  | 9.355  | -.11523 | -2.0101 |
| #2     | 1.8937  | 2.7207  | .01935 | .88765  | .12014  | 9.283  | -.11337 | -2.0061 |
| #3     | 2.0298  | 2.7830  | .02319 | .89518  | .12006  | 9.332  | -.11503 | -2.6358 |

Sample Name: K1515-09      Acquired: 2/18/2019 18:52:47      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 465.31 |
| Stddev | 3.60     |
| %RSD   | .77352   |

|    |        |
|----|--------|
| #1 | 461.97 |
| #2 | 469.12 |
| #3 | 464.84 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3623.2 | 37209. | 4253.4 | 15.572 | 3062.1 |
| Stddev    | 2.6    | 171.   | 38.2   | 1.133  | 5.6    |
| %RSD      | .07039 | .46002 | .89731 | 7.2729 | .18198 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3620.6 | 37025. | 4213.6 | 15.421 | 3065.8 |
| #2 | 3625.7 | 37240. | 4289.7 | 16.773 | 3055.7 |
| #3 | 3623.1 | 37363. | 4256.9 | 14.523 | 3064.9 |

Sample Name: K1515-10      Acquired: 2/18/2019 18:57:16      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-10      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .10249  | -.01221 | .31917 | -.06318 | -.00629 | 166.48  | .73113  | .00834  |
| Stddev | .00149  | .00188  | .00257 | .00340  | .00207  | .80     | .00209  | .00010  |
| %RSD   | 1.4548  | 15.427  | .80602 | 5.3884  | 33.009  | .47961  | .28533  | 1.2397  |
| #1     | .10273  | -.01178 | .32173 | -.06242 | -.00390 | 167.40  | .73208  | .00834  |
| #2     | .10089  | -.01427 | .31918 | -.06691 | -.00765 | 166.00  | .72874  | .00823  |
| #3     | .10385  | -.01058 | .31659 | -.06023 | -.00731 | 166.05  | .73258  | .00844  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00204 | 26.760  | .23441 | .03483  | .19246  | 152.85  | 1.3754  | 17.588  |
| Stddev | .00032  | .136    | .00099 | .00021  | .00130  | 2.09    | .0023   | .123    |
| %RSD   | 15.582  | .50695  | .42131 | .61426  | .67368  | 1.3691  | .16617  | .69737  |
| #1     | -.00229 | 26.759  | .23553 | .03501  | .19131  | 153.40  | 1.3777  | 17.449  |
| #2     | -.00168 | 26.626  | .23403 | .03460  | .19387  | 150.54  | 1.3731  | 17.681  |
| #3     | -.00216 | 26.897  | .23367 | .03488  | .19219  | 154.61  | 1.3754  | 17.634  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09402  | -.00019 | .34247 | .33343  | .53347  | 7.5520  | .00300  | -.03511 |
| Stddev | .00116  | .00009  | .01447 | .00257  | .00038  | .0497   | .00030  | .01240  |
| %RSD   | 1.2389  | 44.465  | 4.2252 | .76951  | .07062  | .65784  | 10.088  | 35.305  |
| #1     | .09525  | -.00029 | .32627 | .33639  | .53329  | 7.4953  | .00271  | -.02681 |
| #2     | .09294  | -.00013 | .34703 | .33206  | .53322  | 7.5882  | .00331  | -.04936 |
| #3     | .09386  | -.00016 | .35411 | .33183  | .53391  | 7.5724  | .00296  | -.02917 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.4843  | 3.1520  | .02024 | .81199  | .09257  | F 11.55 | -.06499 | <.00000 |
| Stddev | .0462   | .0145   | .00085 | .00162  | .00147  | .02     | .00273  | .20433  |
| %RSD   | 1.8582  | .45870  | 4.1755 | .19930  | 1.5913  | .2020   | 4.2010  | 9.5789  |
| #1     | 2.4571  | 3.1511  | .01928 | .81093  | .09222  | 11.53   | -.06602 | -1.9055 |
| #2     | 2.5376  | 3.1379  | .02087 | .81385  | .09130  | 11.54   | -.06189 | -2.1929 |
| #3     | 2.4583  | 3.1668  | .02057 | .81118  | .09419  | 11.57   | -.06704 | -2.3009 |

Sample Name: K1515-10      Acquired: 2/18/2019 18:57:16      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-10      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 388.35  
 Stddev      1.34  
 %RSD      .34615

#1      389.51  
 #2      386.88  
 #3      388.66

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3766.5 | 38703. | 4355.4 | 15.075 | 3100.0 |
| Stddev    | 3.7    | 216.   | 7.5    | 1.729  | 4.7    |
| %RSD      | .09703 | .55862 | .17142 | 11.470 | .15174 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3770.1 | 38457. | 4360.8 | 14.070 | 3102.4 |
| #2 | 3766.6 | 38787. | 4358.5 | 17.072 | 3103.1 |
| #3 | 3762.8 | 38864. | 4346.9 | 14.084 | 3094.6 |

Sample Name: K1515-11      Acquired: 2/18/2019 19:01:40      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-11      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .10042  | -.01387 | .27986 | -.07238 | -.00998 | 178.83  | .74496  | .00847  |
| Stddev | .00259  | .00418  | .00338 | .00120  | .00107  | 3.11    | .05298  | .00010  |
| %RSD   | 2.5788  | 30.118  | 1.2061 | 1.6558  | 10.683  | 1.7391  | 7.1114  | 1.1709  |
| #1     | .10339  | -.01865 | .28339 | -.07269 | -.00908 | 177.22  | .71137  | .00851  |
| #2     | .09868  | -.01195 | .27951 | -.07106 | -.00971 | 176.86  | .71748  | .00854  |
| #3     | .09919  | -.01099 | .27666 | -.07339 | -.01116 | 182.42  | .80603  | .00835  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00338 | 25.673  | .26777 | .03989  | .18844  | 178.00  | 1.5754  | 20.434  |
| Stddev | .00083  | 1.456   | .00080 | .00044  | .00287  | 7.14    | .0028   | 1.231   |
| %RSD   | 24.470  | 5.6717  | .30036 | 1.0925  | 1.5212  | 4.0139  | .17653  | 6.0232  |
| #1     | -.00270 | 24.665  | .26685 | .03976  | .19123  | 173.32  | 1.5749  | 19.563  |
| #2     | -.00314 | 25.012  | .26819 | .04038  | .18859  | 174.47  | 1.5729  | 19.896  |
| #3     | -.00430 | 27.343  | .26828 | .03954  | .18551  | 186.23  | 1.5784  | 21.842  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .10121  | -.00050 | .30451 | .37987  | .51277  | 8.6430  | .00301  | -.05598 |
| Stddev | .00077  | .00122  | .03422 | .00050  | .00069  | .3780   | .00012  | .00700  |
| %RSD   | .76015  | 245.78  | 11.239 | .13158  | .13362  | 4.3740  | 3.8825  | 12.498  |
| #1     | .10206  | -.00098 | .28159 | .37935  | .51318  | 8.3770  | .00312  | -.05403 |
| #2     | .10100  | -.00140 | .28809 | .37991  | .51315  | 8.4762  | .00303  | -.05017 |
| #3     | .10056  | .00089  | .34385 | .38035  | .51198  | 9.0757  | .00289  | -.06375 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.1889  | 3.0205  | .01895 | .87291  | .11040  | F 10.52 | -.08653 | <.00000 |
| Stddev | .0305   | .0985   | .00078 | .04622  | .00635  | .02     | .00156  | .35811  |
| %RSD   | 1.3949  | 3.2608  | 4.1191 | 5.2946  | 5.7519  | .2007   | 1.8028  | 17.292  |
| #1     | 2.1779  | 2.9556  | .01941 | .84529  | .10450  | 10.51   | -.08578 | -1.7367 |
| #2     | 2.2234  | 2.9720  | .01805 | .84718  | .10957  | 10.51   | -.08548 | -2.4489 |
| #3     | 2.1655  | 3.1338  | .01938 | .92627  | .11712  | 10.55   | -.08832 | -2.0271 |

Sample Name: K1515-11      Acquired: 2/18/2019 19:01:40      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-11      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 439.40 |
| Stddev | 3.21     |
| %RSD   | .72943   |

|    |        |
|----|--------|
| #1 | 440.21 |
| #2 | 442.12 |
| #3 | 435.87 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3668.3 | 37682. | 4183.3 | 13.617 | 3068.7 |
| Stddev    | 15.5   | 156.   | 166.5  | 1.503  | 7.0    |
| %RSD      | .42344 | .41407 | 3.9810 | 11.035 | .22728 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3651.4 | 37574. | 4290.7 | 12.560 | 3069.3 |
| #2 | 3682.0 | 37861. | 4267.8 | 15.337 | 3075.3 |
| #3 | 3671.5 | 37611. | 3991.5 | 12.953 | 3061.4 |

Sample Name: K1515-12      Acquired: 2/18/2019 19:06:09      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-12      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .11086  | -.01451 | .28968 | -.08836 | -.00883 | 179.41  | .72996  | .00937  |
| Stddev | .00236  | .00232  | .00224 | .00164  | .00097  | 1.81    | .00435  | .00002  |
| %RSD   | 2.1291  | 16.024  | .77260 | 1.8596  | 10.953  | 1.0070  | .59527  | .24955  |
| #1     | .11277  | -.01448 | .28716 | -.08975 | -.00788 | 177.35  | .73488  | .00938  |
| #2     | .11161  | -.01684 | .29145 | -.08879 | -.00878 | 180.73  | .72668  | .00939  |
| #3     | .10822  | -.01219 | .29043 | -.08655 | -.00981 | 180.15  | .72831  | .00935  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00346 | 41.622  | .27491 | .04718  | .18268  | 209.33  | 1.7148  | 31.061  |
| Stddev | .00027  | .114    | .00233 | .00063  | .00105  | 1.70    | .0039   | .099    |
| %RSD   | 7.7513  | .27431  | .84930 | 1.3326  | .57618  | .80979  | .22537  | .31875  |
| #1     | -.00368 | 41.630  | .27222 | .04658  | .18226  | 211.26  | 1.7112  | 30.965  |
| #2     | -.00353 | 41.732  | .27636 | .04783  | .18190  | 208.59  | 1.7189  | 31.163  |
| #3     | -.00316 | 41.504  | .27616 | .04713  | .18388  | 208.12  | 1.7142  | 31.055  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09670  | -.00216 | .30165 | .43040  | .50832  | 8.3321  | .00408  | -.07553 |
| Stddev | .00014  | .00054  | .01159 | .00124  | .00089  | .0130   | .00017  | .00931  |
| %RSD   | .14493  | 24.826  | 3.8434 | .28883  | .17449  | .15599  | 4.1032  | 12.326  |
| #1     | .09657  | -.00156 | .31255 | .42949  | .50750  | 8.3271  | .00424  | -.06676 |
| #2     | .09668  | -.00233 | .30293 | .43181  | .50819  | 8.3468  | .00410  | -.08530 |
| #3     | .09685  | -.00259 | .28947 | .42989  | .50926  | 8.3223  | .00391  | -.07453 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.0397  | 2.4668  | .02190 | .85504  | .11108  | F 10.30 | -.13019 | <.00000 |
| Stddev | .0077   | .0651   | .00118 | .00042  | .00153  | .00     | .00170  | .16967  |
| %RSD   | .37580  | 2.6405  | 5.4048 | .04902  | 1.3795  | .0056   | 1.3029  | 8.2127  |
| #1     | 2.0446  | 2.5369  | .02055 | .85513  | .10997  | 10.30   | -.13215 | -2.1413 |
| #2     | 2.0437  | 2.4553  | .02278 | .85458  | .11283  | 10.30   | -.12931 | -2.1848 |
| #3     | 2.0309  | 2.4081  | .02236 | .85540  | .11043  | 10.30   | -.12912 | -1.8716 |

Sample Name: K1515-12      Acquired: 2/18/2019 19:06:09      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-12      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 539.72  
 Stddev      3.31  
 %RSD      .61326

#1      536.31  
 #2      539.95  
 #3      542.91

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3622.8 | 37120. | 4217.4 | 15.335 | 3029.2 |
| Stddev    | 6.6    | 38.    | 57.8   | .481   | 1.5    |
| %RSD      | .18159 | .10357 | 1.3714 | 3.1368 | .05116 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3626.8 | 37117. | 4152.4 | 14.781 | 3030.8 |
| #2 | 3615.2 | 37083. | 4236.7 | 15.638 | 3027.7 |
| #3 | 3626.4 | 37160. | 4263.2 | 15.587 | 3029.1 |

Sample Name: K1515-13      Acquired: 2/18/2019 19:10:36      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-13      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09821  | -.01672 | .28343 | -.07154 | -.00849 | 177.71  | .73357  | .00806  |
| Stddev | .00255  | .00193  | .00334 | .00039  | .00306  | .67     | .00251  | .00007  |
| %RSD   | 2.5967  | 11.567  | 1.1794 | .53943  | 36.075  | .37580  | .34280  | .88147  |
| #1     | .10034  | -.01495 | .28067 | -.07135 | -.01185 | 176.96  | .73236  | .00799  |
| #2     | .09539  | -.01878 | .28247 | -.07199 | -.00587 | 178.23  | .73646  | .00807  |
| #3     | .09891  | -.01644 | .28715 | -.07129 | -.00774 | 177.96  | .73189  | .00813  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00328 | 26.222  | .26861 | .03812  | .19090  | 173.89  | 1.3942  | 19.295  |
| Stddev | .00027  | .138    | .00031 | .00021  | .00085  | .78     | .0034   | .105    |
| %RSD   | 8.1311  | .52721  | .11461 | .56368  | .44582  | .44941  | .24049  | .54383  |
| #1     | -.00298 | 26.070  | .26851 | .03835  | .19168  | 173.01  | 1.3930  | 19.351  |
| #2     | -.00341 | 26.258  | .26896 | .03806  | .19000  | 174.51  | 1.3980  | 19.173  |
| #3     | -.00346 | 26.339  | .26837 | .03794  | .19103  | 174.17  | 1.3916  | 19.359  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .10074  | -.00067 | .46932 | .38118  | .53329  | 8.6769  | .00249  | -.04159 |
| Stddev | .00125  | .00042  | .00263 | .00025  | .00111  | .0207   | .00020  | .00126  |
| %RSD   | 1.2398  | 63.149  | .56016 | .06651  | .20825  | .23897  | 7.8929  | 3.0281  |
| #1     | .10054  | -.00041 | .46685 | .38147  | .53333  | 8.6552  | .00271  | -.04014 |
| #2     | .10208  | -.00116 | .46904 | .38100  | .53439  | 8.6966  | .00240  | -.04246 |
| #3     | .09961  | -.00044 | .47208 | .38109  | .53217  | 8.6789  | .00235  | -.04215 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 1.9493  | 2.6846  | .02030 | .96322  | .10215  | F 10.26 | -.07056 | <.00000 |
| Stddev | .0285   | .0245   | .00100 | .00661  | .00180  | .03     | .00066  | .27661  |
| %RSD   | 1.4608  | .91185  | 4.9211 | .68577  | 1.7606  | .2920   | .93873  | 14.228  |
| #1     | 1.9603  | 2.7123  | .02051 | .95836  | .10017  | 10.25   | -.07006 | -1.8811 |
| #2     | 1.9170  | 2.6756  | .02119 | .96056  | .10367  | 10.29   | -.07131 | -1.7044 |
| #3     | 1.9707  | 2.6659  | .01922 | .97074  | .10263  | 10.23   | -.07030 | -2.2468 |

Sample Name: K1515-13      Acquired: 2/18/2019 19:10:36      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-13      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 431.98  
Stddev      2.17  
%RSD      .50187

#1      433.80  
#2      429.58  
#3      432.56

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3667.8 | 37742. | 4242.9 | 14.399 | 3079.3 |
| Stddev    | 7.2    | 189.   | 10.6   | .754   | 8.7    |
| %RSD      | .19641 | .49966 | .24968 | 5.2352 | .28328 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3659.5 | 37772. | 4247.7 | 13.536 | 3081.1 |
| #2 | 3671.4 | 37540. | 4230.8 | 14.732 | 3069.8 |
| #3 | 3672.5 | 37914. | 4250.3 | 14.929 | 3087.0 |

Sample Name: K1515-14      Acquired: 2/18/2019 19:15:06      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7948      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |         |         |         |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09927  | -.01228 | .29065 | -.06790 | -.00894 | 169.43  | .71134  | .00826  |
| Stddev | .00144  | .00063  | .00126 | .00597  | .00240  | .64     | .01306  | .00004  |
| %RSD   | 1.4540  | 5.1458  | .43372 | 8.7866  | 26.868  | .37860  | 1.8357  | .45184  |
| #1     | .09942  | -.01286 | .29014 | -.07474 | -.01139 | 168.70  | .69626  | .00828  |
| #2     | .10063  | -.01161 | .28972 | -.06376 | -.00660 | 169.89  | .71926  | .00822  |
| #3     | .09776  | -.01237 | .29208 | -.06521 | -.00881 | 169.71  | .71848  | .00829  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00272 | 30.155  | .25263 | .03727  | .20110  | 165.68  | 1.5769  | 19.057  |
| Stddev | .00026  | .241    | .00126 | .00024  | .00073  | 1.38    | .0009   | .167    |
| %RSD   | 9.4869  | .80055  | .50010 | .64873  | .36225  | .83401  | .05715  | .87454  |
| #1     | -.00244 | 29.898  | .25332 | .03710  | .20150  | 164.09  | 1.5770  | 18.865  |
| #2     | -.00276 | 30.192  | .25117 | .03754  | .20154  | 166.54  | 1.5760  | 19.135  |
| #3     | -.00295 | 30.376  | .25340 | .03716  | .20026  | 166.42  | 1.5778  | 19.170  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .09554  | -.00093 | .42362 | .35551  | .52417  | 8.0789  | .00303  | -.04961 |
| Stddev | .00046  | .00070  | .00643 | .00323  | .00194  | .0536   | .00017  | .00415  |
| %RSD   | .47826  | 75.279  | 1.5180 | .90947  | .36955  | .66395  | 5.5451  | 8.3635  |
| #1     | .09589  | -.00155 | .41635 | .35641  | .52628  | 8.0306  | .00285  | -.05392 |
| #2     | .09502  | -.00017 | .42854 | .35192  | .52376  | 8.1367  | .00304  | -.04929 |
| #3     | .09570  | -.00106 | .42598 | .35819  | .52247  | 8.0696  | .00319  | -.04564 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | 2.3222  | 3.1978  | .02044 | .86603  | .09903  | F 10.78 | -.05692 | <.00000 |
| Stddev | .0443   | .0184   | .00098 | .00551  | .00296  | .04     | .00115  | .53610  |
| %RSD   | 1.9070  | .57653  | 4.7903 | .63573  | 2.9890  | .3529   | 2.0186  | 19.999  |
| #1     | 2.3637  | 3.1915  | .02028 | .86003  | .09699  | 10.82   | -.05559 | -3.0308 |
| #2     | 2.3273  | 3.1833  | .02149 | .87085  | .09769  | 10.77   | -.05765 | -2.0635 |
| #3     | 2.2755  | 3.2186  | .01955 | .86721  | .10243  | 10.75   | -.05751 | -2.9478 |

Sample Name: K1515-14      Acquired: 2/18/2019 19:15:06      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7948      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 421.93 |
| Stddev | 4.51     |
| %RSD   | 1.0695   |

|    |        |
|----|--------|
| #1 | 424.67 |
| #2 | 416.72 |
| #3 | 424.39 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3729.0 | 38349. | 4336.8 | 15.103 | 3102.5 |
| Stddev    | 2.7    | 100.   | 37.1   | .535   | 3.2    |
| %RSD      | .07198 | .25984 | .85614 | 3.5455 | .10437 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3726.2 | 38454. | 4379.6 | 15.629 | 3100.2 |
| #2 | 3731.5 | 38256. | 4316.9 | 15.123 | 3100.9 |
| #3 | 3729.4 | 38336. | 4313.9 | 14.558 | 3106.2 |

Sample Name: K1515-15      Acquired: 2/18/2019 19:19:35      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-15      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .08777  | -.01107 | .25242 | -.05773 | -.00713 | 152.58 | .62338  | .00749  |
| Stddev | .00254  | .00197  | .00183 | .00124  | .00279  | .54    | .00329  | .00001  |
| %RSD   | 2.8949  | 17.794  | .72421 | 2.1552  | 39.087  | .35434 | .52820  | .07894  |
| #1     | .09010  | -.01234 | .25213 | -.05830 | -.01033 | 151.96 | .61974  | .00750  |
| #2     | .08815  | -.00880 | .25075 | -.05859 | -.00573 | 152.82 | .62423  | .00748  |
| #3     | .08506  | -.01207 | .25437 | -.05630 | -.00531 | 152.96 | .62616  | .00749  |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00367 | 19.859  | .24292 | .03026  | .16217  | 152.21 | 1.2919  | 16.097  |
| Stddev | .00019  | .033    | .00285 | .00023  | .00011  | .54    | .0010   | .097    |
| %RSD   | 5.2777  | .16459  | 1.1728 | .74715  | .07076  | .35217 | .07623  | .60114  |
| #1     | -.00382 | 19.823  | .24569 | .03012  | .16210  | 152.83 | 1.2929  | 16.001  |
| #2     | -.00373 | 19.886  | .24000 | .03052  | .16230  | 151.89 | 1.2909  | 16.195  |
| #3     | -.00345 | 19.869  | .24306 | .03015  | .16210  | 151.92 | 1.2920  | 16.094  |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .08686  | -.00029 | .17057 | .32093  | .45042  | 7.4749 | .00192  | -.02834 |
| Stddev | .00048  | .00026  | .01272 | .00278  | .00195  | .0478  | .00042  | .01150  |
| %RSD   | .55831  | 90.773  | 7.4601 | .86779  | .43192  | .63881 | 21.959  | 40.583  |
| #1     | .08644  | -.00053 | .15656 | .32348  | .45180  | 7.4518 | .00239  | -.03768 |
| #2     | .08674  | -.00001 | .17376 | .31796  | .45125  | 7.5298 | .00181  | -.01549 |
| #3     | .08739  | -.00032 | .18140 | .32135  | .44819  | 7.4431 | .00157  | -.03185 |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | 1.7783  | 2.8572  | .01622 | .76759  | .08421  | 9.616  | -.08818 | <.00000 |
| Stddev | .0205   | .0771   | .00076 | .00471  | .00255  | .036   | .00113  | .18464  |
| %RSD   | 1.1522  | 2.6972  | 4.6748 | .61324  | 3.0305  | .3711  | 1.2785  | 12.901  |
| #1     | 1.8010  | 2.9419  | .01628 | .76622  | .08323  | 9.654  | -.08946 | -1.5602 |
| #2     | 1.7611  | 2.8384  | .01694 | .76373  | .08710  | 9.584  | -.08733 | -1.2198 |
| #3     | 1.7728  | 2.7912  | .01543 | .77284  | .08228  | 9.609  | -.08776 | -1.5138 |

Sample Name: K1515-15      Acquired: 2/18/2019 19:19:35      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TS-15      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 362.79 |
| Stddev | 3.03     |
| %RSD   | .83503   |

|    |        |
|----|--------|
| #1 | 365.71 |
| #2 | 359.66 |
| #3 | 362.99 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3666.3 | 37716. | 4232.7 | 15.400 | 3118.0 |
| Stddev    | 4.3    | 96.    | 10.4   | 1.068  | 7.2    |
| %RSD      | .11792 | .25456 | .24632 | 6.9348 | .22966 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3661.7 | 37605. | 4221.1 | 16.303 | 3110.7 |
| #2 | 3670.3 | 37765. | 4235.9 | 15.676 | 3125.0 |
| #3 | 3667.1 | 37777. | 4241.2 | 14.222 | 3118.3 |

Sample Name: K1519-01      Acquired: 2/18/2019 19:23:57      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-14      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00114 | -.00007 | .00306 | -.00240 | -.00167 | .01763 | .01348 |
| Stddev | .00251  | .00080  | .00048 | .00101  | .00202  | .00636 | .00613 |
| %RSD   | 220.00  | 1225.3  | 15.717 | 42.188  | 121.49  | 36.082 | 45.458 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00089  | .00051  | .00347 | -.00335 | -.00216 | .02150 | .01637 |
| #2 | -.00036 | .00027  | .00253 | -.00134 | .00056  | .01029 | .00644 |
| #3 | -.00394 | -.00098 | .00317 | -.00250 | -.00340 | .02109 | .01763 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00003 | -.00027 | 23.927 | .00068 | -.00023 | -.00043 | .02204 |
| Stddev | .00003 | .00006  | .312   | .00014 | .00022  | .00030  | .00264 |
| %RSD   | 104.76 | 20.629  | 1.3034 | 20.659 | 95.501  | 69.774  | 11.957 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00001 | -.00032 | 23.624 | .00084 | -.00032 | -.00015 | .02505 |
| #2 | .00005  | -.00021 | 23.912 | .00056 | .00002  | -.00039 | .02014 |
| #3 | .00005  | -.00028 | 24.247 | .00064 | -.00040 | -.00075 | .02093 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .09159 | 3.4195 | -.00003 | .00028 | 31.343 | .00213 | .00175 |
| Stddev | .00100 | .0372  | .00032  | .00069 | .397   | .00039 | .00003 |
| %RSD   | 1.0922 | 1.0894 | 996.25  | 242.10 | 1.2671 | 18.154 | 1.9330 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .09059 | 3.4001 | .00014  | .00008  | 30.950 | .00169 | .00177 |
| #2 | .09161 | 3.3960 | -.00040 | -.00027 | 31.335 | .00228 | .00177 |
| #3 | .09259 | 3.4625 | .00016  | .00105  | 31.744 | .00243 | .00171 |

|        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.7824 | .00093 | .02353 | 4.0373 | 2.0170 | -.00120 | -.00559 |
| Stddev | .0206  | .00003 | .00766 | .0326  | .0427  | .00044  | .00121  |
| %RSD   | 1.1564 | 2.7000 | 32.542 | .80779 | 2.1175 | 36.389  | 21.661  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 1.8061 | .00095 | .01542 | 4.0050 | 1.9974 | -.00075 | -.00518 |
| #2 | 1.7685 | .00091 | .02453 | 4.0702 | 1.9875 | -.00124 | -.00695 |
| #3 | 1.7726 | .00095 | .03063 | 4.0366 | 2.0660 | -.00163 | -.00463 |

Sample Name: K1519-01      Acquired: 2/18/2019 19:23:57      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TS-14      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |          |
|--------|---------|--------|--------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg    | -.01247 | .0383  | .13814 | 4.3959 | F<.00000 |
| Stddev | .00317  | .0018  | .00136 | .2879  | 1.1451   |
| %RSD   | 25.421  | 4.686  | .98374 | 6.5488 | 67.601   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01602 | .0395 | .13673 | 4.3654 | -2.2757 |
| #2 | -.00992 | .0390 | .13824 | 4.6979 | -2.4313 |
| #3 | -.01148 | .0362 | .13944 | 4.1245 | -.37473 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3164.2 | 32836. | 3573.1 | 15.274 | 3345.4 |
| Stddev    | 19.9   | 93.    | 18.5   | .592   | 3.5    |
| %RSD      | .62839 | .28209 | .51669 | 3.8729 | .10610 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3150.8 | 32940. | 3579.0 | 14.999 | 3349.2 |
| #2 | 3187.0 | 32762. | 3587.9 | 15.953 | 3344.9 |
| #3 | 3154.8 | 32807. | 3552.4 | 14.870 | 3342.2 |

Sample Name: CCV07      Acquired: 2/18/2019 19:28:22      Type: Unk  
Method: P4-ICP2(v2872)      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    | 5.0630 | 4.8795 | 4.9471 | 4.9139 | 5.0680   | 9.4302 | 9.1268 | .25723   |
| Stddev | .0186  | .0107  | .0020  | .0043  | .0106    | .0577  | .0371  | .00047   |
| %RSD   | .36726 | .21928 | .03978 | .08650 | .20982   | .61168 | .40679 | .18251   |
| #1     | 5.0698 | 4.8695 | 4.9493 | 4.9182 | 5.0703   | 9.3825 | 9.0968 | .25768   |
| #2     | 5.0420 | 4.8908 | 4.9457 | 4.9140 | 5.0773   | 9.4138 | 9.1153 | .25675   |
| #3     | 5.0772 | 4.8784 | 4.9462 | 4.9097 | 5.0564   | 9.4943 | 9.1683 | .25725   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247   | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.5556 | 24.130 | 1.0214 | 2.5399 | 1.2255   | 5.3135 | 2.5884 | 24.528   |
| Stddev | .0031  | .089   | .0036  | .0059  | .0010    | .0169  | .0065  | .100     |
| %RSD   | .11995 | .36693 | .35297 | .23256 | .07714   | .31786 | .25098 | .40894   |
| #1     | 2.5558 | 24.157 | 1.0240 | 2.5429 | 1.2266   | 5.3206 | 2.5948 | 24.414   |
| #2     | 2.5585 | 24.031 | 1.0173 | 2.5436 | 1.2252   | 5.2943 | 2.5818 | 24.563   |
| #3     | 2.5524 | 24.201 | 1.0230 | 2.5330 | 1.2248   | 5.3258 | 2.5886 | 24.605   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 2.4715 | 1.1655 | 24.054 | 2.3751 | 2.4563   | 24.306 | 4.7353 | 4.5673   |
| Stddev | .0021  | .0051  | .228   | .0065  | .0046    | .224   | .0039  | .0382    |
| %RSD   | .08523 | .43703 | .94832 | .27320 | .18573   | .92085 | .08300 | .83726   |
| #1     | 2.4732 | 1.1711 | 23.850 | 2.3763 | 2.4603   | 24.073 | 4.7328 | 4.5553   |
| #2     | 2.4721 | 1.1610 | 24.013 | 2.3681 | 2.4571   | 24.327 | 4.7333 | 4.5365   |
| #3     | 2.4692 | 1.1645 | 24.300 | 2.3810 | 2.4513   | 24.520 | 4.7399 | 4.6101   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707   | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | 4.5981 | 4.5819 | 4.6411 | 4.7997 | F 4.4694 | 4.735  | 4.9041 | F 6.2439 |
| Stddev | .0285  | .0178  | .0073  | .0066  | .0274    | .012   | .0171  | .1024    |
| %RSD   | .61927 | .38911 | .15789 | .13649 | .61380   | .2533  | .34901 | 1.6399   |
| #1     | 4.6169 | 4.5845 | 4.6371 | 4.8061 | 4.4486   | 4.737  | 4.8944 | 6.2958   |
| #2     | 4.6120 | 4.5629 | 4.6495 | 4.7930 | 4.4591   | 4.746  | 4.8940 | 6.1259   |
| #3     | 4.5653 | 4.5982 | 4.6365 | 4.7999 | 4.5005   | 4.722  | 4.9239 | 6.3099   |

Sample Name: CCV07      Acquired: 2/18/2019 19:28:22      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.5515 |
| Stddev | 1.1575   |
| %RSD   | 45.364   |

|    |        |
|----|--------|
| #1 | 1.8041 |
| #2 | 1.9656 |
| #3 | 3.8848 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3074.8 | 31546. | 3419.8 | 13.597 | 3048.0 |
| Stddev    | 6.0    | 105.   | 6.4    | .418   | 1.2    |
| %RSD      | .19357 | .33209 | .18591 | 3.0706 | .03780 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3073.1 | 31429. | 3415.0 | 14.013 | 3046.8 |
| #2 | 3081.4 | 31630. | 3427.0 | 13.600 | 3048.2 |
| #3 | 3069.9 | 31580. | 3417.5 | 13.178 | 3049.1 |

Sample Name: CCB07      Acquired: 2/18/2019 19:32:22      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00002 | .00033 | .00083 | -.00073 | .00070 | .00119 | -.00292 |
| Stddev | .00229 | .00180 | .00121 | .00113  | .00099 | .01179 | .00415  |
| %RSD   | 11209. | 541.56 | 145.58 | 153.59  | 141.86 | 994.77 | 142.08  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00267  | .00131  | .00203  | -.00187 | -.00023 | .01017  | -.00692 |
| #2 | -.00118 | .00143  | .00085  | -.00072 | .00174  | .00555  | -.00320 |
| #3 | -.00142 | -.00174 | -.00039 | .00039  | .00057  | -.01217 | .00136  |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00001 | -.00006 | -.00050 | -.00044 | -.00005 | -.00010 | .00578 |
| Stddev | .00001 | .00003  | .01477  | .00029  | .00014  | .00053  | .00319 |
| %RSD   | 61.033 | 55.247  | 2930.3  | 66.027  | 270.14  | 528.89  | 55.216 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00000 | -.00002 | -.01754 | -.00040 | -.00001 | -.00052 | .00431 |
| #2 | .00002 | -.00008 | .00858  | -.00076 | .00006  | .00050  | .00944 |
| #3 | .00002 | -.00007 | .00745  | -.00018 | -.00020 | -.00028 | .00359 |

|        |        |        |        |        |         |         |         |
|--------|--------|--------|--------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00000 | .01578 | .00014 | .00039 | -.21061 | -.00009 | -.00066 |
| Stddev | .00006 | .01417 | .00051 | .00031 | .00701  | .00053  | .00014  |
| %RSD   | 1984.2 | 89.797 | 358.94 | 79.757 | 3.3285  | 565.56  | 20.945  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00006  | -.00055 | -.00044 | .00053 | -.20309 | .00050  | -.00053 |
| #2 | -.00006 | .02309  | .00050  | .00060 | -.21176 | -.00030 | -.00064 |
| #3 | .00001  | .02480  | .00036  | .00003 | -.21697 | -.00048 | -.00081 |

|        |        |        |         |           |        |        |         |
|--------|--------|--------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .12694 | .00016 | -.00335 | F -.17765 | .00520 | .00068 | -.00155 |
| Stddev | .06105 | .00019 | .00744  | .00810    | .00352 | .00082 | .00052  |
| %RSD   | 48.094 | 122.18 | 222.24  | 4.5577    | 67.651 | 120.00 | 33.372  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .10715 | .00007 | -.01061 | -.17647 | .00202 | .00162 | -.00215 |
| #2 | .19543 | .00002 | .00427  | -.17021 | .00897 | .00024 | -.00128 |
| #3 | .07823 | .00037 | -.00371 | -.18627 | .00460 | .00018 | -.00122 |

Sample Name: CCB07      Acquired: 2/18/2019 19:32:22      Type: Unk  
Method: P4-ICP2(v2872)      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       | -.00902 | .0016  | .00039 | F 3.6561 | F<.00000 |
| Stddev    | .00120  | .0018  | .00007 | .2761    | .86363   |
| %RSD      | 13.349  | 111.4  | 19.164 | 7.5527   | 63.773   |
| #1        | -.00830 | .0020  | .00047 | 3.9648   | -2.3207  |
| #2        | -.01040 | .0032  | .00034 | 3.5707   | -1.0838  |
| #3        | -.00834 | -.0004 | .00035 | 3.4327   | -.65819  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3234.0  | 33423. | 3474.4 | 16.002   | 3473.6   |
| Stddev    | 17.0    | 84.    | 13.2   | .371     | 2.0      |
| %RSD      | .52573  | .25202 | .38033 | 2.3207   | .05876   |
| #1        | 3244.1  | 33337. | 3472.4 | 16.216   | 3471.7   |
| #2        | 3243.5  | 33426. | 3488.5 | 15.573   | 3473.5   |
| #3        | 3214.4  | 33505. | 3462.3 | 16.216   | 3475.8   |

Sample Name: K1519-01DUP      Acquired: 2/18/2019 19:36:50      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00277 | .00087 | .00247 | .00215 | -.00229 | .00627 | .00724 |
| Stddev | .00135  | .00233 | .00093 | .00304 | .00136  | .01687 | .00309 |
| %RSD   | 48.876  | 267.01 | 37.683 | 141.09 | 59.515  | 269.09 | 42.693 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00252 | -.00105 | .00351 | -.00065 | -.00291 | -.00805 | .00553 |
| #2 | -.00423 | .00346  | .00220 | .00538  | -.00072 | .00200  | .00539 |
| #3 | -.00156 | .00021  | .00171 | .00174  | -.00322 | .02486  | .01081 |

|        |         |         |        |        |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00005 | -.00021 | 23.003 | .00150 | -.00018 | -.00044 | .00972 |
| Stddev | .00001  | .00009  | .083   | .00025 | .00004  | .00035  | .00126 |
| %RSD   | 12.560  | 42.939  | .35981 | 16.835 | 22.150  | 79.728  | 12.979 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00005 | -.00025 | 22.923 | .00176 | -.00017 | -.00039 | .00912 |
| #2 | -.00005 | -.00027 | 22.999 | .00150 | -.00022 | -.00011 | .00887 |
| #3 | -.00004 | -.00011 | 23.088 | .00125 | -.00014 | -.00080 | .01117 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08930 | 3.4228 | .00059 | -.00006 | 30.171 | .00124 | .00552 |
| Stddev | .00062 | .0209  | .00048 | .00025  | .635   | .00014 | .00011 |
| %RSD   | .69859 | .61007 | 82.192 | 438.48  | 2.1056 | 11.656 | 2.0368 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .08874 | 3.4244 | .00114 | -.00021 | 30.575 | .00132 | .00564 |
| #2 | .08918 | 3.4012 | .00025 | -.00019 | 29.438 | .00107 | .00551 |
| #3 | .08997 | 3.4429 | .00037 | .00023  | 30.498 | .00131 | .00542 |

|        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 1.7598 | .00101 | .02548 | 3.7495 | 1.9282 | -.00039 | -.00865 |
| Stddev | .0170  | .00024 | .00603 | .0101  | .0263  | .00038  | .00222  |
| %RSD   | .96658 | 23.770 | 23.661 | .26807 | 1.3650 | 97.495  | 25.711  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 1.7519 | .00114 | .02844 | 3.7611 | 1.9437 | -.00002 | -.00623 |
| #2 | 1.7793 | .00116 | .02946 | 3.7435 | 1.8978 | -.00077 | -.01060 |
| #3 | 1.7482 | .00073 | .01855 | 3.7440 | 1.9430 | -.00037 | -.00912 |

Sample Name: K1519-01DUP      Acquired: 2/18/2019 19:36:50      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00886 | .0350  | .13322 | 4.1959 | F<.00000 |
| Stddev | .00166  | .0002  | .00071 | .3240  | .62740   |
| %RSD   | 18.781  | .6978  | .53046 | 7.7227 | 18.907   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00754 | .0348 | .13358 | 4.3456 | -2.6617 |
| #2 | -.01073 | .0353 | .13240 | 4.4180 | -3.3817 |
| #3 | -.00832 | .0350 | .13366 | 3.8241 | -3.9117 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3200.2 | 33254. | 3561.2 | 15.752 | 3376.4 |
| Stddev    | 16.9   | 35.    | 53.6   | .432   | 3.5    |
| %RSD      | .52692 | .10525 | 1.5059 | 2.7412 | .10429 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3209.7 | 33214. | 3512.3 | 16.056 | 3380.0 |
| #2 | 3210.2 | 33267. | 3618.5 | 15.941 | 3376.2 |
| #3 | 3180.8 | 33280. | 3552.7 | 15.257 | 3373.0 |

Sample Name: K1519-01LX5      Acquired: 2/18/2019 19:41:16      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00015 | -.00006 | .00166 | -.00057 | -.00184 | -.00730 | .00067 |
| Stddev | .00068 | .00196  | .00122 | .00347  | .00190  | .00962  | .00370 |
| %RSD   | 462.63 | 3548.4  | 73.648 | 610.33  | 103.24  | 131.75  | 552.40 |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00034  | -.00041 | .00228 | -.00383 | -.00360 | -.00344 | .00469  |
| #2 | -.00061 | -.00182 | .00025 | .00308  | -.00210 | -.01825 | -.00260 |
| #3 | .00071  | .00206  | .00244 | -.00096 | .00017  | -.00021 | -.00008 |

|        |        |         |        |        |         |         |        |
|--------|--------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00006 | -.00015 | 4.9850 | .00024 | -.00024 | -.00039 | .00599 |
| Stddev | .00006 | .00008  | .0406  | .00044 | .00026  | .00042  | .00301 |
| %RSD   | 96.928 | 51.490  | .81456 | 183.51 | 109.66  | 106.86  | 50.302 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00000 | -.00007 | 4.9662 | .00020  | -.00045 | -.00022 | .00251 |
| #2 | .00007  | -.00022 | 4.9573 | -.00018 | .00005  | -.00008 | .00764 |
| #3 | .00012  | -.00015 | 5.0316 | .00070  | -.00032 | -.00086 | .00781 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01930 | .68556 | -.00028 | .00085 | 6.3062 | .00064 | .00016 |
| Stddev | .00015 | .02799 | .00031  | .00014 | .0489  | .00040 | .00004 |
| %RSD   | .77943 | 4.0821 | 112.23  | 16.083 | .77536 | 61.489 | 27.248 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | .01919 | .71736 | -.00005 | .00077 | 6.2618 | .00066 | .00013 |
| #2 | .01925 | .66470 | -.00015 | .00101 | 6.2982 | .00024 | .00020 |
| #3 | .01947 | .67462 | -.00064 | .00078 | 6.3586 | .00103 | .00013 |

|        |        |        |         |        |        |         |         |
|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .49381 | .00001 | -.00877 | .67170 | .42973 | -.00022 | -.00751 |
| Stddev | .03798 | .00035 | .00852  | .01619 | .00076 | .00052  | .00176  |
| %RSD   | 7.6902 | 2457.8 | 97.088  | 2.4101 | .17639 | 239.06  | 23.417  |

|    |        |         |         |        |        |         |         |
|----|--------|---------|---------|--------|--------|---------|---------|
| #1 | .45543 | .00028  | -.00333 | .67621 | .42986 | .00015  | -.00637 |
| #2 | .53137 | -.00038 | -.01859 | .68515 | .42892 | .00001  | -.00953 |
| #3 | .49464 | .00014  | -.00440 | .65373 | .43042 | -.00081 | -.00662 |

Sample Name: K1519-01LX5      Acquired: 2/18/2019 19:41:16      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.01194 | .0093  | .02896 | 4.3725 | F<.00000 |
| Stddev | .00245  | .0003  | .00009 | .0691  | .33808   |
| %RSD   | 20.494  | 3.188  | .32193 | 1.5795 | 24.866   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.01252 | .0096 | .02892 | 4.4306 | -1.7075 |
| #2 | -.01405 | .0094 | .02890 | 4.2962 | -1.3388 |
| #3 | -.00926 | .0090 | .02907 | 4.3908 | -1.0323 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3220.6 | 33254. | 3536.8 | 14.554 | 3459.6 |
| Stddev    | 12.6   | 123.   | 6.1    | .769   | 16.5   |
| %RSD      | .39046 | .37026 | .17122 | 5.2806 | .47796 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3209.1 | 33200. | 3538.0 | 14.212 | 3444.6 |
| #2 | 3218.7 | 33394. | 3530.2 | 14.015 | 3456.9 |
| #3 | 3234.0 | 33166. | 3542.1 | 15.434 | 3477.4 |

Sample Name: K1519-01MS      Acquired: 2/18/2019 19:45:44      Type: Unk  
Method: P4-ICP2(v2872)      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    | .79316 | 1.8926 | .94058 | 1.9076 | .81601 | 1.8887 | .19965 | .19706 | .18643 |
| Stddev | .00499 | .0066  | .00127 | .0114  | .00742 | .0079  | .00783 | .00020 | .00038 |
| %RSD   | .62935 | .34946 | .13456 | .59773 | .90949 | .41689 | 3.9206 | .10204 | .20517 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78883 | 1.8852 | .93924 | 1.9010 | .81460 | 1.8861 | .20809 | .19725 | .18656 |
| #2 | .79203 | 1.8948 | .94176 | 1.9010 | .80939 | 1.8976 | .19262 | .19685 | .18600 |
| #3 | .79862 | 1.8979 | .94072 | 1.9207 | .82403 | 1.8825 | .19825 | .19707 | .18673 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.356 | .41229 | .19750 | .29614 | 3.2332 | .29533 | 5.6067 | .46451 | .06553 |
| Stddev | .204   | .00067 | .00029 | .00151 | .0438  | .00052 | .0614  | .00087 | .00049 |
| %RSD   | .80286 | .16231 | .14834 | .51076 | 1.3547 | .17696 | 1.0943 | .18641 | .75223 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.203 | .41164 | .19731 | .29523 | 3.2512 | .29527 | 5.5738 | .46453 | .06569 |
| #2 | 25.278 | .41226 | .19736 | .29530 | 3.1832 | .29484 | 5.5688 | .46363 | .06591 |
| #3 | 25.587 | .41298 | .19784 | .29788 | 3.2651 | .29588 | 5.6775 | .46536 | .06497 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 34.494 | .28724 | .18786 | 10.514 | .40647 | .31766 | 3.9466 | 2.8950 | .65945 |
| Stddev | .517   | .00118 | .00048 | .070   | .00372 | .01291 | .0432  | .0557  | .00094 |
| %RSD   | 1.4977 | .41250 | .25753 | .66207 | .91473 | 4.0636 | 1.0952 | 1.9225 | .14225 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 34.574 | .28604 | .18809 | 10.477 | .40530 | .31101 | 3.9191 | 2.9433 | .65940 |
| #2 | 33.942 | .28841 | .18730 | 10.471 | .40348 | .33254 | 3.9242 | 2.8341 | .65853 |
| #3 | 34.965 | .28727 | .18818 | 10.594 | .41063 | .30943 | 3.9964 | 2.9076 | .66041 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19623 | .17877 | 5.354  | .32603 | 4.6517 | 10.946 |
| Stddev | .00181 | .00146 | .022   | .00368 | .1318  | .161   |
| %RSD   | .92036 | .81803 | .4078  | 1.1281 | 2.8341 | 1.4679 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19653 | .17998 | 5.348 | .32459 | 4.5587 | 10.893 |
| #2 | .19429 | .17919 | 5.336 | .32330 | 4.5937 | 11.126 |
| #3 | .19786 | .17715 | 5.379 | .33021 | 4.8025 | 10.818 |

Sample Name: K1519-01MS      Acquired: 2/18/2019 19:45:44      Type: Unk  
Method: P4-ICP2(v2872)      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       | 3177.4 | 32992. | 3528.3 | 14.983 | 3318.8 |
| Stddev    | 11.9   | 53.    | 38.1   | 1.306  | 13.2   |
| %RSD      | .37588 | .16024 | 1.0809 | 8.7150 | .39668 |
| #1        | 3176.5 | 32944. | 3509.0 | 15.579 | 3303.9 |
| #2        | 3189.8 | 32984. | 3572.3 | 13.485 | 3323.4 |
| #3        | 3165.9 | 33049. | 3503.7 | 15.884 | 3329.0 |

Sample Name: K1519-01MSD      Acquired: 2/18/2019 19:49:51      Type: Unk  
Method: P4-ICP2(v2872)      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    | .78882 | 1.9027 | .94400 | 1.9030 | .81463 | 1.8816 | .20791 | .19781 | .18707 |
| Stddev | .00602 | .0031  | .00143 | .0208  | .00235 | .0113  | .00763 | .00050 | .00036 |
| %RSD   | .76254 | .16195 | .15167 | 1.0937 | .28839 | .60072 | 3.6707 | .25313 | .19490 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78531 | 1.8992 | .94320 | 1.8914 | .81452 | 1.8822 | .20662 | .19821 | .18693 |
| #2 | .78539 | 1.9047 | .94315 | 1.8905 | .81233 | 1.8699 | .21610 | .19725 | .18681 |
| #3 | .79577 | 1.9043 | .94565 | 1.9270 | .81702 | 1.8925 | .20100 | .19796 | .18749 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.244 | .41169 | .19723 | .29645 | 3.2562 | .29569 | 5.5651 | .46501 | .06551 |
| Stddev | .107   | .00091 | .00047 | .00152 | .0261  | .00086 | .0933  | .00064 | .00073 |
| %RSD   | .42287 | .22072 | .23840 | .51147 | .80075 | .29097 | 1.6767 | .13783 | 1.1147 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.147 | .41185 | .19675 | .29644 | 3.2273 | .29621 | 5.5867 | .46428 | .06602 |
| #2 | 25.358 | .41070 | .19726 | .29494 | 3.2779 | .29470 | 5.4629 | .46527 | .06585 |
| #3 | 25.227 | .41250 | .19769 | .29797 | 3.2635 | .29616 | 5.6457 | .46548 | .06468 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 34.689 | .28771 | .18834 | 10.578 | .40635 | .32382 | 3.9545 | 2.9196 | .66265 |
| Stddev | .386   | .00012 | .00029 | .073   | .00237 | .01093 | .0359  | .0444  | .00150 |
| %RSD   | 1.1116 | .04319 | .15248 | .68628 | .58267 | 3.3764 | .90758 | 1.5210 | .22612 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 34.244 | .28785 | .18840 | 10.494 | .40526 | .32105 | 3.9958 | 2.8812 | .66179 |
| #2 | 34.932 | .28765 | .18803 | 10.616 | .40472 | .31453 | 3.9309 | 2.9682 | .66177 |
| #3 | 34.890 | .28763 | .18859 | 10.624 | .40907 | .33587 | 3.9369 | 2.9094 | .66438 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19560 | .18154 | 5.356  | .32626 | 4.4455 | 9.8091 |
| Stddev | .00005 | .00369 | .010   | .00251 | .1703  | .3721  |
| %RSD   | .02721 | 2.0326 | .1833  | .76934 | 3.8303 | 3.7933 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19561 | .18000 | 5.356 | .32337 | 4.6414 | 9.5562 |
| #2 | .19555 | .17887 | 5.345 | .32789 | 4.3327 | 9.6348 |
| #3 | .19565 | .18575 | 5.365 | .32751 | 4.3624 | 10.236 |

Sample Name: K1519-01MSD      Acquired: 2/18/2019 19:49:51      Type: Unk  
Method: P4-ICP2(v2872)      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       | 3191.2 | 33211. | 3509.1 | 14.445 | 3324.8 |
| Stddev    | 8.9    | 26.    | 32.5   | .975   | 10.6   |
| %RSD      | .27980 | .07710 | .92710 | 6.7471 | .31745 |
| #1        | 3200.1 | 33210. | 3539.8 | 13.378 | 3325.8 |
| #2        | 3191.2 | 33186. | 3475.0 | 14.670 | 3313.8 |
| #3        | 3182.3 | 33237. | 3512.6 | 15.288 | 3334.8 |

Sample Name: K1519-01A      Acquired: 2/18/2019 19:53:57      Type: Unk  
Method: P4-ICP2(v2872)      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    | .78122 | 1.8855 | .93538 | 1.8866 | .80441 | 1.8703 | .20419 | .19619 | .18537 |
| Stddev | .00638 | .0010  | .00150 | .0058  | .00152 | .0446  | .00248 | .00039 | .00028 |
| %RSD   | .81636 | .05525 | .16036 | .30964 | .18923 | 2.3837 | 1.2141 | .19709 | .15308 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77947 | 1.8851 | .93371 | 1.8931 | .80265 | 1.8239 | .20671 | .19661 | .18568 |
| #2 | .77590 | 1.8867 | .93660 | 1.8852 | .80536 | 1.9128 | .20175 | .19611 | .18531 |
| #3 | .78829 | 1.8847 | .93584 | 1.8816 | .80521 | 1.8741 | .20411 | .19585 | .18513 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 25.140 | .40862 | .19616 | .29436 | 3.2155 | .29373 | 5.5411 | .46135 | .06437 |
| Stddev | .078   | .00121 | .00043 | .00033 | .0430  | .00051 | .0369  | .00093 | .00043 |
| %RSD   | .30938 | .29709 | .21772 | .11244 | 1.3379 | .17323 | .66556 | .20168 | .67482 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.172 | .40740 | .19575 | .29405 | 3.2613 | .29338 | 5.5214 | .46041 | .06479 |
| #2 | 25.051 | .40865 | .19613 | .29471 | 3.1759 | .29350 | 5.5837 | .46227 | .06441 |
| #3 | 25.197 | .40982 | .19660 | .29432 | 3.2092 | .29432 | 5.5183 | .46138 | .06392 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 34.477 | .28660 | .18679 | 10.596 | .40267 | .31058 | 3.9301 | 2.9026 | .65820 |
| Stddev | .116   | .00105 | .00018 | .071   | .00091 | .00619 | .0435  | .0236  | .00210 |
| %RSD   | .33553 | .36645 | .09595 | .67309 | .22667 | 1.9923 | 1.1078 | .81326 | .31906 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 34.442 | .28767 | .18689 | 10.514 | .40303 | .30488 | 3.9058 | 2.9069 | .65657 |
| #2 | 34.383 | .28656 | .18658 | 10.629 | .40164 | .30971 | 3.9803 | 2.8772 | .66057 |
| #3 | 34.606 | .28557 | .18689 | 10.644 | .40335 | .31716 | 3.9041 | 2.9238 | .65745 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19370 | .17811 | 5.319  | .32328 | 4.1578 | 10.704 |
| Stddev | .00254 | .00260 | .010   | .00293 | .1390  | .868   |
| %RSD   | 1.3095 | 1.4594 | .1920  | .90777 | 3.3441 | 8.1133 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19276 | .17528 | 5.313 | .32530 | 4.2906 | 9.7240 |
| #2 | .19177 | .17867 | 5.331 | .31992 | 4.1697 | 11.011 |
| #3 | .19658 | .18039 | 5.314 | .32464 | 4.0133 | 11.378 |

Sample Name: K1519-01A      Acquired: 2/18/2019 19:53:57      Type: Unk  
Method: P4-ICP2(v2872)      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       | 3207.6 | 33250. | 3541.5 | 13.866 | 3330.5 |
| Stddev    | 11.8   | 73.    | 42.5   | .063   | 11.8   |
| %RSD      | .36692 | .21864 | 1.1999 | .45613 | .35479 |
| #1        | 3195.1 | 33318. | 3496.6 | 13.864 | 3316.9 |
| #2        | 3218.5 | 33174. | 3581.1 | 13.931 | 3337.8 |
| #3        | 3209.1 | 33258. | 3546.8 | 13.804 | 3336.9 |

Sample Name: K1508-04      Acquired: 2/18/2019 19:58:02      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-S      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00046 | -.00071 | .00524 | -.00230 | -.00194 | .28185 | .12512 |
| Stddev | .00331 | .00081  | .00086 | .00168  | .00078  | .01692 | .00668 |
| %RSD   | 717.51 | 114.50  | 16.455 | 72.754  | 40.173  | 6.0017 | 5.3405 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00419  | .00012  | .00621 | -.00421 | -.00104 | .26969 | .12118 |
| #2 | -.00211 | -.00074 | .00496 | -.00162 | -.00239 | .30117 | .12135 |
| #3 | -.00070 | -.00151 | .00456 | -.00108 | -.00239 | .27470 | .13284 |

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00023 | .00014 | 26.678 | .00030 | -.00024 | .00626 | .22689 |
| Stddev | .00004 | .00007 | .183   | .00028 | .00027  | .00021 | .00284 |
| %RSD   | 15.620 | 53.029 | .68652 | 93.835 | 113.77  | 3.3388 | 1.2536 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00026 | .00009 | 26.478 | .00056  | -.00039 | .00650 | .22866 |
| #2 | .00024 | .00023 | 26.839 | -.00000 | -.00041 | .00616 | .22361 |
| #3 | .00019 | .00011 | 26.716 | .00034  | .00008  | .00611 | .22840 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17207 | 7.5847 | .00258 | .00046 | 250.71 | .00069 | .02287 |
| Stddev | .00037 | .1113  | .00045 | .00013 | 2.59   | .00060 | .00007 |
| %RSD   | .21310 | 1.4677 | 17.340 | 29.371 | 1.0331 | 86.219 | .32634 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17195 | 7.5808 | .00224 | .00053 | 253.70 | .00049 | .02281 |
| #2 | .17177 | 7.4753 | .00309 | .00030 | 249.08 | .00136 | .02295 |
| #3 | .17248 | 7.6979 | .00242 | .00054 | 249.36 | .00022 | .02285 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.1557 | -.00013 | .00882 | .11660 | 1.7000 | .00118 | -.00462 |
| Stddev | .0363  | .00015  | .00241 | .00762 | .0053  | .00070 | .00156  |
| %RSD   | 3.1382 | 112.70  | 27.367 | 6.5314 | .31324 | 59.416 | 33.827  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 1.1627 | -.00022 | .00786 | .11082 | 1.6972 | .00037 | -.00615 |
| #2 | 1.1880 | .00004  | .01157 | .12523 | 1.7061 | .00164 | -.00302 |
| #3 | 1.1165 | -.00022 | .00703 | .11374 | 1.6966 | .00152 | -.00469 |

Sample Name: K1508-04      Acquired: 2/18/2019 19:58:02      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-12-S      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |        |          |
|-----------|---------|--------|--------|--------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg       | -.00634 | .0165  | .08050 | 5.3646 | F<.00000 |
| Stddev    | .00128  | .0015  | .00023 | .2267  | .55326   |
| %RSD      | 20.156  | 9.102  | .29125 | 4.2264 | 20.489   |
| #1        | -.00530 | .0148  | .08071 | 5.2018 | -2.8887  |
| #2        | -.00776 | .0170  | .08055 | 5.6236 | -2.0775  |
| #3        | -.00594 | .0176  | .08024 | 5.2686 | -3.1348  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3104.4  | 31944. | 3567.2 | 13.779 | 3083.4   |
| Stddev    | 10.7    | 113.   | 16.8   | 1.297  | 5.5      |
| %RSD      | .34536  | .35224 | .47076 | 9.4123 | .17952   |
| #1        | 3096.8  | 32069. | 3548.7 | 12.466 | 3089.3   |
| #2        | 3099.7  | 31852. | 3571.3 | 13.811 | 3078.4   |
| #3        | 3116.6  | 31911. | 3581.6 | 15.059 | 3082.6   |

Sample Name: K1508-04DUP      Acquired: 2/18/2019 20:02:36      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00157 | -.00208 | .00410 | .00054 | -.00240 | .12612 | .12312 |
| Stddev | .00208  | .00082  | .00117 | .00138 | .00120  | .00467 | .00572 |
| %RSD   | 132.15  | 39.272  | 28.440 | 256.50 | 49.828  | 3.7008 | 4.6442 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00133 | -.00120 | .00396 | .00210  | -.00255 | .13148 | .12792 |
| #2 | .00038  | -.00221 | .00533 | -.00051 | -.00113 | .12396 | .12464 |
| #3 | -.00376 | -.00282 | .00301 | .00003  | -.00351 | .12293 | .11679 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00016 | -.00009 | 27.326 | .00083 | -.00039 | .00691 | .05396 |
| Stddev | .00002 | .00006  | .044   | .00007 | .00009  | .00046 | .00075 |
| %RSD   | 12.343 | 68.656  | .16082 | 8.9953 | 23.022  | 6.7193 | 1.3910 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00018 | -.00002 | 27.376 | .00090 | -.00032 | .00653 | .05367 |
| #2 | .00014 | -.00013 | 27.292 | .00084 | -.00049 | .00743 | .05482 |
| #3 | .00016 | -.00012 | 27.310 | .00075 | -.00036 | .00678 | .05341 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17532 | 7.7165 | .00313 | .00015 | 257.19 | .00073 | .02511 |
| Stddev | .00069 | .0625  | .00031 | .00031 | 1.87   | .00026 | .00023 |
| %RSD   | .39480 | .80963 | 9.7720 | 215.02 | .72636 | 36.322 | .92943 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .17502 | 7.7244 | .00348 | .00049  | 258.68 | .00053 | .02490 |
| #2 | .17611 | 7.7746 | .00296 | -.00012 | 257.80 | .00103 | .02536 |
| #3 | .17483 | 7.6504 | .00295 | .00006  | 255.10 | .00062 | .02506 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.3476 | -.00011 | .00160 | .16881 | 1.7253 | .00173 | -.00339 |
| Stddev | .0051  | .00030  | .00982 | .02118 | .0372  | .00052 | .00321  |
| %RSD   | .38019 | 274.03  | 615.38 | 12.549 | 2.1578 | 30.311 | 94.916  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | 1.3456 | .00024  | .00614  | .18612 | 1.7592 | .00162 | -.00177 |
| #2 | 1.3534 | -.00028 | .00832  | .17512 | 1.7314 | .00229 | -.00130 |
| #3 | 1.3438 | -.00029 | -.00968 | .14519 | 1.6854 | .00126 | -.00709 |

Sample Name: K1508-04DUP      Acquired: 2/18/2019 20:02:36      Type: Unk  
Method: P4-ICP2(v2872)      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       | .00532 | .0087  | .08279 | 4.8014 | F<.00000 |
| Stddev    | .00103 | .0013  | .00032 | .1566  | .73272   |
| %RSD      | 19.368 | 14.71  | .38126 | 3.2621 | 20.291   |
| #1        | .00423 | .0093  | .08313 | 4.9264 | -4.3736  |
| #2        | .00628 | .0073  | .08274 | 4.6257 | -3.5475  |
| #3        | .00546 | .0097  | .08250 | 4.8521 | -2.9123  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3154.4 | 32239. | 3601.1 | 14.842 | 3133.3   |
| Stddev    | 13.9   | 50.    | 50.5   | .342   | 13.5     |
| %RSD      | .44119 | .15450 | 1.4037 | 2.3011 | .43156   |
| #1        | 3158.1 | 32234. | 3560.0 | 14.661 | 3146.0   |
| #2        | 3139.1 | 32192. | 3585.7 | 14.630 | 3119.1   |
| #3        | 3166.2 | 32292. | 3657.5 | 15.236 | 3134.8   |

Sample Name: K1508-04LX5      Acquired: 2/18/2019 20:07:10      Type: Unk  
Method: P4-ICP2(v2872)      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    | -.00138 | .00010 | .00234 | -.00237 | .00010 | .01622 | .02610 |
| Stddev | .00058  | .00240 | .00116 | .00199  | .00237 | .01276 | .00449 |
| %RSD   | 42.124  | 2446.4 | 49.539 | 83.755  | 2324.7 | 78.669 | 17.217 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00144 | -.00094 | .00365 | -.00030 | -.00263 | .01332 | .03002 |
| #2 | -.00192 | .00285  | .00189 | -.00426 | .00147  | .00516 | .02120 |
| #3 | -.00077 | -.00161 | .00147 | -.00256 | .00147  | .03018 | .02707 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00006 | -.00014 | 5.7539 | .00001 | -.00049 | .00058 | .01380 |
| Stddev | .00010 | .00002  | .0121  | .00023 | .00014  | .00055 | .00253 |
| %RSD   | 173.39 | 13.299  | .20992 | 2068.4 | 29.347  | 95.555 | 18.306 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00008  | -.00012 | 5.7633 | .00016  | -.00065 | .00115 | .01537 |
| #2 | -.00005 | -.00015 | 5.7581 | -.00025 | -.00048 | .00053 | .01514 |
| #3 | .00015  | -.00014 | 5.7403 | .00013  | -.00036 | .00005 | .01089 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03659 | 1.6245 | -.00013 | .00047 | 53.712 | .00020 | .00430 |
| Stddev | .00053 | .0401  | .00021  | .00002 | .346   | .00027 | .00006 |
| %RSD   | 1.4410 | 2.4716 | 165.01  | 4.4620 | .64509 | 132.58 | 1.3844 |

|    |        |        |         |        |        |         |        |
|----|--------|--------|---------|--------|--------|---------|--------|
| #1 | .03633 | 1.6482 | -.00037 | .00047 | 54.007 | .00047  | .00434 |
| #2 | .03720 | 1.6472 | .00000  | .00045 | 53.797 | -.00007 | .00433 |
| #3 | .03625 | 1.5782 | -.00001 | .00049 | 53.330 | .00021  | .00423 |

|        |        |         |         |         |        |        |         |
|--------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .45335 | -.00035 | -.00666 | -.10722 | .37001 | .00039 | -.00432 |
| Stddev | .02686 | .00043  | .00951  | .00436  | .00705 | .00042 | .00494  |
| %RSD   | 5.9247 | 122.29  | 142.70  | 4.0679  | 1.9052 | 107.67 | 114.54  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .42367 | -.00081 | .00214  | -.11062 | .37016 | -.00009 | .00014  |
| #2 | .46040 | -.00029 | -.01675 | -.10230 | .37699 | .00058  | -.00345 |
| #3 | .47598 | .00004  | -.00538 | -.10874 | .36289 | .00067  | -.00964 |

Sample Name: K1508-04LX5      Acquired: 2/18/2019 20:07:10      Type: Unk  
Method: P4-ICP2(v2872)      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    | .00116 | .0031  | .01701 | 3.0886 | F<.00000 |
| Stddev | .00097 | .0010  | .00009 | .6157  | .72259   |
| %RSD   | 83.889 | 31.78  | .52275 | 19.936 | 47.693   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00196 | .0022 | .01703 | 3.5555 | -2.3492 |
| #2 | .00008 | .0042 | .01709 | 2.3908 | -1.0797 |
| #3 | .00144 | .0029 | .01691 | 3.3195 | -1.1164 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3319.2 | 33977. | 3676.3 | 15.547 | 3411.4 |
| Stddev    | .6     | 123.   | 47.6   | .918   | 19.7   |
| %RSD      | .01712 | .36199 | 1.2938 | 5.9063 | .57678 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3318.9 | 33843. | 3627.2 | 15.600 | 3388.9 |
| #2 | 3319.9 | 34085. | 3679.5 | 14.603 | 3419.5 |
| #3 | 3318.9 | 34004. | 3722.2 | 16.437 | 3425.6 |

Sample Name: K1508-04MS      Acquired: 2/18/2019 20:11:37      Type: Unk  
Method: P4-ICP2(v2872)      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    | .82752 | 1.9290 | .98694 | 2.0489 | .83055 | 2.0665 | .31026 | .20910 | .20041 |
| Stddev | .00817 | .0070  | .00209 | .0177  | .00668 | .0368  | .00224 | .00017 | .00053 |
| %RSD   | .98742 | .36564 | .21205 | .86625 | .80408 | 1.7807 | .72226 | .08099 | .26618 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82533 | 1.9227 | .98763 | 2.0680 | .83327 | 2.0240 | .30869 | .20929 | .20095 |
| #2 | .82066 | 1.9277 | .98459 | 2.0329 | .82295 | 2.0870 | .31283 | .20905 | .19988 |
| #3 | .83656 | 1.9366 | .98860 | 2.0459 | .83545 | 2.0885 | .30926 | .20896 | .20042 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.631 | .42517 | .20584 | .30539 | 3.2117 | .36925 | 9.2851 | .49134 | .06931 |
| Stddev | .244   | .00177 | .00092 | .00086 | .0293  | .00102 | .1133  | .00123 | .00023 |
| %RSD   | .91469 | .41686 | .44720 | .28256 | .91067 | .27496 | 1.2201 | .25075 | .33602 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.367 | .42600 | .20690 | .30586 | 3.2428 | .37039 | 9.1592 | .49221 | .06957 |
| #2 | 26.679 | .42314 | .20530 | .30439 | 3.2076 | .36842 | 9.3789 | .48993 | .06925 |
| #3 | 26.846 | .42638 | .20531 | .30591 | 3.1848 | .36895 | 9.3171 | .49187 | .06912 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 241.02 | .29820 | .22519 | 10.264 | .41352 | .29048 | .12371 | 2.4619 | .70107 |
| Stddev | 2.07   | .00063 | .00022 | .133   | .00225 | .00325 | .01842 | .0195  | .00194 |
| %RSD   | .85940 | .20996 | .09818 | 1.2947 | .54505 | 1.1186 | 14.889 | .79372 | .27711 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 243.31 | .29811 | .22544 | 10.121 | .41541 | .29260 | .13962 | 2.4843 | .70229 |
| #2 | 239.26 | .29763 | .22510 | 10.288 | .41102 | .28674 | .10353 | 2.4528 | .69883 |
| #3 | 240.50 | .29887 | .22502 | 10.384 | .41411 | .29211 | .12798 | 2.4485 | .70209 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20149 | .19029 | 5.930  | .26721 | 4.7861 | 9.2549 |
| Stddev | .00118 | .00004 | .016   | .00187 | .1040  | .1449  |
| %RSD   | .58637 | .02051 | .2730  | .69920 | 2.1719 | 1.5659 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .20013 | .19033 | 5.946 | .26763 | 4.8825 | 9.3599 |
| #2 | .20210 | .19026 | 5.913 | .26883 | 4.7997 | 9.3152 |
| #3 | .20224 | .19027 | 5.930 | .26517 | 4.6760 | 9.0895 |

Sample Name: K1508-04MS      Acquired: 2/18/2019 20:11:37      Type: Unk  
Method: P4-ICP2(v2872)      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       | 3251.9 | 32978. | 3661.6 | 14.889 | 3230.5 |
| Stddev    | 14.1   | 107.   | 28.3   | .641   | 1.4    |
| %RSD      | .43205 | .32322 | .77345 | 4.3080 | .04258 |
| #1        | 3241.4 | 32858. | 3632.4 | 14.211 | 3229.3 |
| #2        | 3267.8 | 33019. | 3663.5 | 14.968 | 3232.0 |
| #3        | 3246.3 | 33059. | 3689.0 | 15.487 | 3230.2 |

Sample Name: K1508-04MSD      Acquired: 2/18/2019 20:15:52      Type: Unk  
Method: P4-ICP2(v2872)      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    | .81844 | 1.9189 | .97837 | 2.0350 | .82471 | 2.0474 | .30830 | .20728 | .19922 |
| Stddev | .00751 | .0033  | .00348 | .0156  | .00886 | .0078  | .00306 | .00074 | .00052 |
| %RSD   | .91742 | .16968 | .35615 | .76587 | 1.0742 | .38181 | .99254 | .35791 | .26134 |
| #1     | .81752 | 1.9151 | .97557 | 2.0358 | .81948 | 2.0531 | .30563 | .20759 | .19907 |
| #2     | .81144 | 1.9204 | .97728 | 2.0190 | .81970 | 2.0384 | .30763 | .20643 | .19879 |
| #3     | .82637 | 1.9210 | .98227 | 2.0502 | .83493 | 2.0505 | .31164 | .20782 | .19980 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.255 | .42186 | .20535 | .30389 | 3.2233 | .36444 | 9.2302 | .48904 | .06898 |
| Stddev | .122   | .00288 | .00140 | .00305 | .0143  | .00056 | .0850  | .00209 | .00075 |
| %RSD   | .46350 | .68344 | .67994 | 1.0025 | .44479 | .15493 | .92053 | .42753 | 1.0826 |
| #1     | 26.140 | .42518 | .20491 | .30418 | 3.2084 | .36443 | 9.1323 | .48886 | .06982 |
| #2     | 26.242 | .42003 | .20424 | .30070 | 3.2243 | .36389 | 9.2745 | .48704 | .06839 |
| #3     | 26.382 | .42037 | .20692 | .30678 | 3.2370 | .36502 | 9.2839 | .49121 | .06873 |
| 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    | 238.15 | .29579 | .22477 | 10.241 | .41185 | .29629 | .09495 | 2.4525 | .69673 |
| Stddev | 2.18   | .00125 | .00077 | .045   | .00410 | .00123 | .01724 | .0111  | .00192 |
| %RSD   | .91694 | .42215 | .34462 | .43934 | .99538 | .41381 | 18.155 | .45427 | .27509 |
| #1     | 235.63 | .29693 | .22428 | 10.222 | .40928 | .29490 | .10345 | 2.4652 | .69452 |
| #2     | 239.43 | .29597 | .22437 | 10.209 | .40969 | .29676 | .07512 | 2.4443 | .69777 |
| #3     | 239.40 | .29445 | .22566 | 10.293 | .41658 | .29721 | .10630 | 2.4480 | .69791 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .19785 | .19371 | 5.881  | .26654 | 4.5005 | 8.6148 |        |        |        |
| Stddev | .00071 | .00424 | .011   | .00076 | .0088  | .2566  |        |        |        |
| %RSD   | .35818 | 2.1879 | .1799  | .28519 | .19540 | 2.9789 |        |        |        |
| #1     | .19867 | .18983 | 5.869  | .26648 | 4.5087 | 8.3381 |        |        |        |
| #2     | .19744 | .19307 | 5.883  | .26581 | 4.5016 | 8.8450 |        |        |        |
| #3     | .19743 | .19823 | 5.890  | .26733 | 4.4912 | 8.6614 |        |        |        |

Sample Name: K1508-04MSD      Acquired: 2/18/2019 20:15:52      Type: Unk  
 Method: P4-ICP2(v2872)      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       | 3239.6 | 32966. | 3624.5 | 14.858 | 3221.8 |
| Stddev    | 25.4   | 220.   | 10.5   | .801   | 3.1    |
| %RSD      | .78549 | .66754 | .28970 | 5.3935 | .09521 |
| #1        | 3240.4 | 32716. | 3636.2 | 15.611 | 3220.4 |
| #2        | 3264.7 | 33049. | 3615.9 | 14.945 | 3225.3 |
| #3        | 3213.8 | 33132. | 3621.2 | 14.016 | 3219.7 |

Sample Name: CCV08      Acquired: 2/18/2019 20:20:06      Type: Unk  
Method: P4-ICP2(v2872)      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    | 5.0056 | 4.8374 | 4.9004   | 4.8962 | 4.9556   | 9.3818 | F 8.9514 | .25403   |
| Stddev | .0316  | .0325  | .0189    | .0262  | .0379    | .0837  | .0536    | .00045   |
| %RSD   | .63191 | .67115 | .38600   | .53534 | .76372   | .89256 | .59895   | .17577   |
| #1     | 5.0151 | 4.8451 | 4.9120   | 4.9112 | 4.9717   | 9.3195 | 8.9416   | .25367   |
| #2     | 5.0314 | 4.8018 | 4.8785   | 4.9115 | 4.9828   | 9.3488 | 9.0092   | .25453   |
| #3     | 4.9703 | 4.8654 | 4.9106   | 4.8660 | 4.9124   | 9.4770 | 8.9033   | .25390   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.5341 | 24.083 | 1.0195   | 2.5043 | 1.2151   | 5.2375 | 2.5618   | 24.655   |
| Stddev | .0106  | .216   | .0022    | .0130  | .0082    | .0628  | .0064    | .309     |
| %RSD   | .41853 | .89805 | .21896   | .51787 | .67618   | 1.1998 | .24959   | 1.2546   |
| #1     | 2.5403 | 23.839 | 1.0178   | 2.5106 | 1.2187   | 5.2183 | 2.5605   | 24.319   |
| #2     | 2.5219 | 24.251 | 1.0220   | 2.4894 | 1.2210   | 5.3077 | 2.5687   | 24.928   |
| #3     | 2.5402 | 24.159 | 1.0186   | 2.5129 | 1.2058   | 5.1865 | 2.5561   | 24.719   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.4569 | 1.1728 | F 21.451 | 2.3793 | 2.4228   | 22.501 | 4.7169   | 4.5476   |
| Stddev | .0122  | .0013  | .094     | .0096  | .0110    | .226   | .0253    | .0357    |
| %RSD   | .49732 | .10914 | .43940   | .40422 | .45542   | 1.0064 | .53536   | .78437   |
| #1     | 2.4651 | 1.1737 | 21.440   | 2.3851 | 2.4273   | 22.375 | 4.7306   | 4.5094   |
| #2     | 2.4429 | 1.1732 | 21.550   | 2.3846 | 2.4102   | 22.762 | 4.7323   | 4.5531   |
| #3     | 2.4628 | 1.1713 | 21.363   | 2.3682 | 2.4308   | 22.365 | 4.6878   | 4.5801   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 4.5462 | 4.5432 | 4.6718   | 4.7390 | F 4.3765 | 4.739  | 4.7953   | F 4.4673 |
| Stddev | .0183  | .0355  | .0281    | .0196  | .0226    | .019   | .0306    | .0837    |
| %RSD   | .40271 | .78071 | .60145   | .41274 | .51552   | .3923  | .63858   | 1.8732   |
| #1     | 4.5503 | 4.5409 | 4.6869   | 4.7166 | 4.3746   | 4.724  | 4.7846   | 4.4034   |
| #2     | 4.5262 | 4.5797 | 4.6394   | 4.7475 | 4.4000   | 4.733  | 4.8298   | 4.5620   |
| #3     | 4.5622 | 4.5088 | 4.6892   | 4.7528 | 4.3550   | 4.760  | 4.7714   | 4.4365   |

Sample Name: CCV08      Acquired: 2/18/2019 20:20:06      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.7036 |
| Stddev | 1.0512   |
| %RSD   | 28.382   |

|    |        |
|----|--------|
| #1 | 4.3614 |
| #2 | 4.2581 |
| #3 | 2.4913 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3271.2 | 33364. | 3638.5 | 14.571 | 3237.4 |
| Stddev    | 21.5   | 39.    | 30.6   | 2.154  | 15.2   |
| %RSD      | .65578 | .11604 | .83978 | 14.782 | .47041 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3261.2 | 33342. | 3637.3 | 12.084 | 3225.8 |
| #2 | 3256.7 | 33341. | 3608.5 | 15.789 | 3254.6 |
| #3 | 3295.9 | 33409. | 3669.6 | 15.839 | 3231.7 |

Sample Name: CCB08      Acquired: 2/18/2019 20:24:05      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7950      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |        |        |         |        |         |
|--------|---------|--------|--------|--------|---------|--------|---------|
| Elem   | As1890  | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00026 | .00013 | .00134 | .00066 | -.00071 | .00139 | -.00284 |
| Stddev | .00095  | .00310 | .00055 | .00189 | .00140  | .00528 | .00205  |
| %RSD   | 364.10  | 2433.7 | 41.012 | 287.10 | 198.11  | 379.46 | 72.410  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00072  | .00363  | .00086 | .00196  | -.00169 | -.00368 | -.00518 |
| #2 | -.00033 | -.00097 | .00121 | -.00151 | .00090  | .00685  | -.00137 |
| #3 | -.00118 | -.00228 | .00194 | .00152  | -.00133 | .00100  | -.00196 |

|        |        |         |         |        |        |         |        |
|--------|--------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00005 | -.00005 | -.00200 | .00010 | .00001 | -.00062 | .00372 |
| Stddev | .00002 | .00005  | .00908  | .00040 | .00033 | .00024  | .00047 |
| %RSD   | 48.279 | 83.963  | 454.54  | 391.17 | 2625.4 | 39.040  | 12.693 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00003 | -.00000 | -.00761 | -.00027 | -.00028 | -.00087 | .00332 |
| #2 | .00008 | -.00009 | -.00685 | .00004  | .00037  | -.00061 | .00424 |
| #3 | .00003 | -.00007 | .00847  | .00053  | -.00005 | -.00039 | .00360 |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00005 | .00752 | -.00029 | .00049 | -.11413 | .00030 | -.00060 |
| Stddev | .00008  | .11426 | .00031  | .00050 | .00250  | .00024 | .00014  |
| %RSD   | 158.10  | 1520.4 | 108.38  | 103.25 | 2.1945  | 81.283 | 23.635  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00001 | .02562  | -.00047 | .00105 | -.11629 | .00003 | -.00067 |
| #2 | -.00014 | .11164  | .00007  | .00008 | -.11139 | .00038 | -.00068 |
| #3 | -.00000 | -.11472 | -.00045 | .00033 | -.11472 | .00050 | -.00043 |

|        |        |        |        |           |        |         |         |
|--------|--------|--------|--------|-----------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm     | ppm     |
| Avg    | .22121 | .00019 | .00117 | F -.19580 | .00136 | -.00006 | -.00637 |
| Stddev | .02405 | .00019 | .00353 | .00598    | .00232 | .00038  | .00047  |
| %RSD   | 10.872 | 100.96 | 302.60 | 3.0548    | 171.19 | 614.00  | 7.3885  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .19584 | .00027  | -.00230 | -.20267 | -.00125 | -.00044 | -.00611 |
| #2 | .24368 | -.00003 | .00475  | -.19295 | .00319  | -.00006 | -.00609 |
| #3 | .22413 | .00033  | .00104  | -.19177 | .00213  | .00032  | -.00692 |

Sample Name: CCB08      Acquired: 2/18/2019 20:24:05      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7950      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00668 | .0005  | .00040 | F 1.8634 | F<.00000 |
| Stddev | .00033  | .0004  | .00016 | .0299    | .35586   |
| %RSD   | 4.8990  | 89.97  | 39.752 | 1.6028   | 29.404   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00698 | -.0000 | .00058 | 1.8506 | -1.0296 |
| #2 | -.00633 | .0009  | .00030 | 1.8975 | -.98091 |
| #3 | -.00674 | .0006  | .00031 | 1.8421 | -1.6202 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3442.4 | 35364. | 3697.9 | 15.173 | 3646.9 |
| Stddev    | 13.7   | 101.   | 34.3   | .506   | 6.6    |
| %RSD      | .39673 | .28496 | .92733 | 3.3349 | .18152 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3441.7 | 35256. | 3658.6 | 15.193 | 3641.4 |
| #2 | 3456.4 | 35454. | 3721.6 | 15.668 | 3654.3 |
| #3 | 3429.1 | 35383. | 3713.5 | 14.657 | 3645.1 |

Sample Name: K1508-04A      Acquired: 2/18/2019 20:28:34      Type: Unk  
Method: P4-ICP2(v2872)      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    | .82708 | 1.9397 | .98898 | 2.0646 | .83216 | 2.0727 | .31402 | .21012 | .20113 |
| Stddev | .00599 | .0030  | .00027 | .0063  | .00231 | .0275  | .00659 | .00019 | .00022 |
| %RSD   | .72420 | .15646 | .02706 | .30287 | .27810 | 1.3257 | 2.0972 | .09032 | .10982 |
| #1     | .83015 | 1.9426 | .98919 | 2.0714 | .82983 | 2.0438 | .31863 | .21023 | .20119 |
| #2     | .82018 | 1.9365 | .98868 | 2.0631 | .83446 | 2.0985 | .31696 | .21024 | .20088 |
| #3     | .83092 | 1.9400 | .98906 | 2.0591 | .83218 | 2.0757 | .30648 | .20991 | .20131 |
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.789 | .42765 | .20693 | .30766 | 3.2612 | .36942 | 9.3001 | .49424 | .06887 |
| Stddev | .075   | .00122 | .00064 | .00038 | .0320  | .00040 | .1446  | .00101 | .00053 |
| %RSD   | .28008 | .28578 | .31042 | .12308 | .98057 | .10865 | 1.5552 | .20369 | .77495 |
| #1     | 26.871 | .42630 | .20680 | .30746 | 3.2960 | .36925 | 9.4369 | .49493 | .06894 |
| #2     | 26.772 | .42800 | .20763 | .30810 | 3.2330 | .36987 | 9.1487 | .49469 | .06830 |
| #3     | 26.724 | .42866 | .20637 | .30742 | 3.2546 | .36912 | 9.3147 | .49308 | .06936 |
| 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    | 242.84 | .30130 | .22723 | 10.358 | .41802 | .29565 | .10260 | 2.4920 | .70469 |
| Stddev | 1.76   | .00060 | .00066 | .010   | .00115 | .00780 | .02043 | .0435  | .00319 |
| %RSD   | .72287 | .20039 | .28902 | .10035 | .27592 | 2.6392 | 19.909 | 1.7455 | .45305 |
| #1     | 243.63 | .30180 | .22697 | 10.362 | .41754 | .28765 | .08456 | 2.5407 | .70212 |
| #2     | 240.83 | .30063 | .22797 | 10.366 | .41934 | .29607 | .12478 | 2.4571 | .70826 |
| #3     | 244.07 | .30147 | .22673 | 10.346 | .41719 | .30324 | .09845 | 2.4781 | .70368 |
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |        |        |        |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |        |        |        |
| Avg    | .20487 | .18962 | 5.971  | .27121 | 4.7985 | 9.1625 |        |        |        |
| Stddev | .00328 | .00477 | .012   | .00076 | .0891  | .4005  |        |        |        |
| %RSD   | 1.5991 | 2.5172 | .1964  | .28000 | 1.8569 | 4.3714 |        |        |        |
| #1     | .20128 | .18411 | 5.974  | .27205 | 4.6972 | 9.4749 |        |        |        |
| #2     | .20563 | .19247 | 5.981  | .27059 | 4.8339 | 8.7109 |        |        |        |
| #3     | .20770 | .19228 | 5.958  | .27098 | 4.8645 | 9.3016 |        |        |        |

Sample Name: K1508-04A      Acquired: 2/18/2019 20:28:34      Type: Unk  
Method: P4-ICP2(v2872)      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       | 3229.6 | 32747. | 3614.8 | 15.878 | 3208.0 |
| Stddev    | 7.4    | 152.   | 34.1   | 1.146  | 10.9   |
| %RSD      | .23017 | .46510 | .94384 | 7.2183 | .33889 |
| #1        | 3224.3 | 32791. | 3577.2 | 14.909 | 3201.3 |
| #2        | 3226.4 | 32577. | 3643.7 | 17.143 | 3202.3 |
| #3        | 3238.1 | 32871. | 3623.6 | 15.582 | 3220.6 |

Sample Name: K1508-08      Acquired: 2/18/2019 20:32:49      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-12-D      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00147 | -.00121 | .00223 | .00112 | -.00061 | .04622 | .04592 |
| Stddev | .00139  | .00186  | .00048 | .00224 | .00076  | .01845 | .00705 |
| %RSD   | 94.952  | 154.04  | 21.609 | 199.45 | 124.30  | 39.924 | 15.342 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00192 | -.00020 | .00249 | .00195  | .00019  | .05657 | .04627 |
| #2 | .00010  | -.00336 | .00251 | .00284  | -.00069 | .02492 | .03871 |
| #3 | -.00258 | -.00007 | .00167 | -.00141 | -.00134 | .05718 | .05279 |

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00010 | -.00008 | 3.6320 | .00098 | -.00042 | .00168 | .03807 |
| Stddev | .00004 | .00005  | .0456  | .00040 | .00010  | .00027 | .00053 |
| %RSD   | 39.761 | 57.019  | 1.2562 | 40.642 | 25.082  | 15.962 | 1.3918 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00011 | -.00006 | 3.6257 | .00114 | -.00045 | .00142 | .03778 |
| #2 | .00006 | -.00013 | 3.5899 | .00128 | -.00050 | .00196 | .03774 |
| #3 | .00014 | -.00005 | 3.6805 | .00053 | -.00030 | .00166 | .03868 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00966 | .84469 | .00111 | .00048 | 259.75 | .00083 | .01633 |
| Stddev | .00003 | .05935 | .00018 | .00066 | 5.44   | .00031 | .00004 |
| %RSD   | .30988 | 7.0267 | 16.105 | 136.63 | 2.0942 | 37.193 | .25833 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00969 | .85168 | .00093 | .00053  | 263.18 | .00101 | .01638 |
| #2 | .00964 | .90024 | .00112 | .00111  | 253.48 | .00047 | .01629 |
| #3 | .00964 | .78215 | .00128 | -.00020 | 262.59 | .00100 | .01632 |

|        |        |         |         |         |        |        |         |
|--------|--------|---------|---------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .61138 | -.00029 | -.00287 | -.07624 | .26645 | .00178 | -.00543 |
| Stddev | .02941 | .00028  | .00666  | .02907  | .00650 | .00027 | .00105  |
| %RSD   | 4.8111 | 95.835  | 231.53  | 38.125  | 2.4393 | 15.198 | 19.263  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | .58058 | -.00054 | -.00478 | -.08529 | .26804 | .00147 | -.00655 |
| #2 | .61437 | -.00035 | .00453  | -.04373 | .25931 | .00199 | -.00526 |
| #3 | .63918 | .00001  | -.00837 | -.09971 | .27201 | .00187 | -.00448 |

Sample Name: K1508-08      Acquired: 2/18/2019 20:32:49      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-12-D      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00490 | .1215  | .02093 | 4.6834 | F<.00000 |
| Stddev    | .00329 | .0012  | .00015 | .1604  | .03915   |
| %RSD      | 67.224 | 1.024  | .70452 | 3.4243 | 1.1892   |
| #1        | .00373 | .1225  | .02076 | 4.5061 | -3.3378  |
| #2        | .00235 | .1219  | .02099 | 4.7259 | -3.2682  |
| #3        | .00862 | .1201  | .02103 | 4.8183 | -3.2719  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3275.5 | 33020. | 3695.2 | 16.414 | 3244.7   |
| Stddev    | 5.4    | 42.    | 39.6   | 1.035  | 10.3     |
| %RSD      | .16348 | .12791 | 1.0713 | 6.3038 | .31763   |
| #1        | 3281.3 | 33031. | 3665.5 | 16.025 | 3239.4   |
| #2        | 3274.7 | 33056. | 3740.1 | 15.630 | 3238.2   |
| #3        | 3270.6 | 32973. | 3680.0 | 17.586 | 3256.6   |

Sample Name: K1508-12      Acquired: 2/18/2019 20:37:26      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-S      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00098 | -.00159 | .00355 | .00003 | -.00125 | .07059 | .07858 |
| Stddev | .00042  | .00159  | .00018 | .00352 | .00123  | .01641 | .00247 |
| %RSD   | 42.453  | 99.754  | 5.1742 | 13049. | 98.152  | 23.242 | 3.1375 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00106 | -.00339 | .00353 | -.00125 | .00015  | .05621 | .07829 |
| #2 | -.00053 | -.00041 | .00374 | .00401  | -.00213 | .06711 | .07627 |
| #3 | -.00136 | -.00097 | .00337 | -.00268 | -.00178 | .08846 | .08117 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00001 | -.00024 | 9.3544 | .00088 | -.00039 | .00856 | .02064 |
| Stddev | .00006  | .00006  | .0164  | .00010 | .00027  | .00054 | .00229 |
| %RSD   | 454.15  | 26.594  | .17486 | 11.866 | 68.303  | 6.2661 | 11.117 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00006  | -.00018 | 9.3536 | .00077 | -.00066 | .00912 | .02327 |
| #2 | -.00007 | -.00030 | 9.3384 | .00090 | -.00039 | .00852 | .01965 |
| #3 | -.00003 | -.00022 | 9.3711 | .00098 | -.00012 | .00805 | .01902 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04228 | 1.2212 | .00065 | .00040 | 241.04 | .00066 | .01768 |
| Stddev | .00025 | .0208  | .00029 | .00083 | 1.76   | .00027 | .00009 |
| %RSD   | .58599 | 1.7028 | 44.864 | 205.73 | .72967 | 40.492 | .48145 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .04201 | 1.2337 | .00050 | -.00017 | 242.30 | .00096 | .01777 |
| #2 | .04248 | 1.1972 | .00047 | .00003  | 239.03 | .00054 | .01767 |
| #3 | .04236 | 1.2328 | .00099 | .00135  | 241.80 | .00047 | .01760 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.3415 | -.00012 | .00443 | .07501 | .64931 | .00132 | -.00295 |
| Stddev | .0293  | .00018  | .00397 | .00600 | .00542 | .00047 | .00429  |
| %RSD   | 2.1815 | 148.65  | 89.782 | 8.0011 | .83540 | 35.841 | 145.57  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 1.3099 | -.00031 | .00774 | .07082 | .65249 | .00181 | .00194  |
| #2 | 1.3677 | -.00012 | .00551 | .08189 | .64304 | .00128 | -.00610 |
| #3 | 1.3470 | .00006  | .00002 | .07232 | .65239 | .00087 | -.00468 |

Sample Name: K1508-12      Acquired: 2/18/2019 20:37:26      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: M-13-S      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00469 | .0210  | .05118 | 4.5845 | F<.00000 |
| Stddev | .00023 | .0016  | .00018 | .2832  | .71001   |
| %RSD   | 4.9086 | 7.710  | .35654 | 6.1771 | 20.799   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00464 | .0228 | .05135 | 4.8830 | -3.8599 |
| #2 | .00495 | .0203 | .05099 | 4.3196 | -2.5950 |
| #3 | .00450 | .0198 | .05119 | 4.5510 | -3.7863 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3285.9 | 32957. | 3701.7 | 14.936 | 3247.6 |
| Stddev    | 3.5    | 98.    | 35.7   | 1.300  | 6.2    |
| %RSD      | .10527 | .29643 | .96511 | 8.7064 | .19212 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3288.0 | 32846. | 3662.8 | 13.514 | 3253.5 |
| #2 | 3287.7 | 33031. | 3733.0 | 16.064 | 3241.1 |
| #3 | 3281.9 | 32994. | 3709.4 | 15.232 | 3248.1 |

Sample Name: K1508-16      Acquired: 2/18/2019 20:42:00      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-D      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00139 | -.00045 | .00307 | -.00048 | -.00155 | .08628 | .04132 |
| Stddev | .00170  | .00111  | .00046 | .00163  | .00066  | .01318 | .00759 |
| %RSD   | 122.16  | 245.04  | 15.002 | 339.04  | 42.655  | 15.272 | 18.369 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00303 | -.00166 | .00289 | .00135  | -.00113 | .08690 | .04980 |
| #2 | -.00149 | -.00020 | .00273 | -.00102 | -.00121 | .07280 | .03900 |
| #3 | .00036  | .00050  | .00360 | -.00177 | -.00231 | .09913 | .03517 |

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00001 | -.00021 | 2.8084 | .00144 | -.00033 | .00170 | .02673 |
| Stddev | .00003  | .00007  | .0113  | .00013 | .00013  | .00024 | .00188 |
| %RSD   | 256.08  | 32.383  | .40332 | 8.7395 | 39.949  | 14.129 | 7.0259 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00002  | -.00028 | 2.8127 | .00130 | -.00030 | .00177 | .02541 |
| #2 | -.00003 | -.00021 | 2.8169 | .00154 | -.00048 | .00190 | .02590 |
| #3 | -.00002 | -.00014 | 2.7955 | .00147 | -.00022 | .00143 | .02888 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00872 | .26706 | .00177 | .00009 | 247.61 | .00039 | .00902 |
| Stddev | .00008 | .01564 | .00023 | .00046 | 2.90   | .00036 | .00006 |
| %RSD   | .94154 | 5.8581 | 13.028 | 520.87 | 1.1713 | 91.022 | .72029 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00867 | .25471 | .00161 | -.00041 | 249.19 | .00079 | .00899 |
| #2 | .00867 | .28465 | .00167 | .00016  | 249.37 | .00012 | .00898 |
| #3 | .00881 | .26181 | .00204 | .00051  | 244.26 | .00026 | .00910 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .65753 | .00019 | -.00620 | -.02398 | .20648 | .00079 | -.00660 |
| Stddev | .04306 | .00010 | .00602  | .01543  | .00179 | .00033 | .00151  |
| %RSD   | 6.5482 | 52.703 | 97.085  | 64.335  | .86852 | 41.869 | 22.811  |

|    |        |        |         |         |        |        |         |
|----|--------|--------|---------|---------|--------|--------|---------|
| #1 | .69375 | .00009 | -.00515 | -.00854 | .20830 | .00113 | -.00788 |
| #2 | .60993 | .00029 | -.01268 | -.03939 | .20643 | .00047 | -.00698 |
| #3 | .66893 | .00019 | -.00078 | -.02400 | .20472 | .00078 | -.00494 |

Sample Name: K1508-16      Acquired: 2/18/2019 20:42:00      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: M-13-D      Custom ID2:      Custom ID3:  
Comment:

|           |         |        |        |        |          |
|-----------|---------|--------|--------|--------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00341  | .0156  | .02042 | 4.8191 | F<.00000 |
| Stddev    | .00342  | .0002  | .00014 | .0940  | .30143   |
| %RSD      | 100.53  | 1.481  | .69777 | 1.9501 | 8.9904   |
| #1        | -.00005 | .0158  | .02026 | 4.8369 | -3.6969  |
| #2        | .00347  | .0153  | .02053 | 4.9029 | -3.1357  |
| #3        | .00680  | .0156  | .02049 | 4.7175 | -3.2257  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3296.7  | 32918. | 3689.1 | 15.135 | 3264.3   |
| Stddev    | 15.6    | 110.   | 35.9   | .623   | 3.5      |
| %RSD      | .47375  | .33338 | .97392 | 4.1150 | .10686   |
| #1        | 3278.7  | 33045. | 3663.3 | 15.827 | 3262.0   |
| #2        | 3307.4  | 32847. | 3673.9 | 14.957 | 3268.4   |
| #3        | 3303.8  | 32863. | 3730.2 | 14.620 | 3262.7   |

Sample Name: K1511-02      Acquired: 2/18/2019 20:46:37      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: STONES      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00135 | -.00155 | .00386 | .00038 | -.00125 | .31863 | .03689 | .00019 |
| Stddev | .00009  | .00179  | .00030 | .00241 | .00170  | .01862 | .00052 | .00005 |
| %RSD   | 6.3785  | 115.43  | 7.7427 | 627.14 | 136.40  | 5.8429 | 1.4037 | 28.214 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00126 | -.00004 | .00355 | .00298  | -.00108 | .32762 | .03643 | .00014 |
| #2 | -.00143 | -.00354 | .00389 | -.00003 | .00037  | .29723 | .03679 | .00020 |
| #3 | -.00136 | -.00109 | .00414 | -.00180 | -.00302 | .33105 | .03745 | .00024 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00032 | 12.511 | .00134 | .00044 | .00082 | 1.0262 | .14776 | .66942 |
| Stddev | .00004  | .051   | .00023 | .00007 | .00029 | .0063  | .00054 | .00838 |
| %RSD   | 11.440  | .40790 | 16.969 | 14.855 | 35.208 | .61828 | .36361 | 1.2513 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00029 | 12.569 | .00109 | .00037 | .00110 | 1.0335 | .14764 | .66280 |
| #2 | -.00031 | 12.495 | .00152 | .00049 | .00085 | 1.0232 | .14730 | .66661 |
| #3 | -.00036 | 12.470 | .00142 | .00047 | .00052 | 1.0219 | .14835 | .67884 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00314 | .00018 | 253.49 | .00099 | .01942 | 3.6011 | .00018 | .03008 |
| Stddev | .00039 | .00066 | 2.71   | .00017 | .00018 | .0551  | .00038 | .00407 |
| %RSD   | 12.483 | 358.72 | 1.0685 | 17.571 | .92862 | 1.5287 | 213.69 | 13.526 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00277 | .00093  | 256.51 | .00105 | .01962 | 3.5411 | -.00026 | .03395 |
| #2 | .00310 | -.00033 | 251.27 | .00079 | .01934 | 3.6492 | .00034  | .02584 |
| #3 | .00355 | -.00005 | 252.68 | .00112 | .01928 | 3.6130 | .00045  | .03044 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.11987 | .76920 | .00138 | -.00348 | .00857 | .0034  | .01870 | 4.5631 |
| Stddev | .00421  | .00549 | .00041 | .00108  | .00013 | .0008  | .00007 | .2643  |
| %RSD   | 3.5160  | .71432 | 29.952 | 31.005  | 1.5373 | 24.61  | .37869 | 5.7926 |

|    |         |        |        |         |        |       |        |        |
|----|---------|--------|--------|---------|--------|-------|--------|--------|
| #1 | -.11514 | .77309 | .00182 | -.00227 | .00842 | .0024 | .01878 | 4.2893 |
| #2 | -.12321 | .77159 | .00100 | -.00381 | .00867 | .0040 | .01864 | 4.5833 |
| #3 | -.12126 | .76291 | .00131 | -.00435 | .00862 | .0037 | .01869 | 4.8167 |

Sample Name: K1511-02      Acquired: 2/18/2019 20:46:37      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: STONES      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      .62360  
 %RSD      104.76

#1      -.17647  
 #2      -1.3119  
 #3      -.29740

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3293.7 | 32888. | 3695.8 | 15.220 | 3247.7 |
| Stddev    | 12.0   | 167.   | 29.4   | .028   | 10.6   |
| %RSD      | .36410 | .50925 | .79484 | .18166 | .32593 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3284.8 | 32869. | 3663.7 | 15.234 | 3235.5 |
| #2 | 3307.3 | 33064. | 3702.2 | 15.239 | 3253.4 |
| #3 | 3288.9 | 32731. | 3721.4 | 15.189 | 3254.2 |

Sample Name: K1513-02      Acquired: 2/18/2019 20:51:11      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FLOORS      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00010 | -.00222 | .00705 | -.00270 | -.00255 | .07788 | .01508 |
| Stddev | .00109  | .00140  | .00130 | .00325  | .00203  | .02386 | .00207 |
| %RSD   | 1055.0  | 63.271  | 18.434 | 120.27  | 79.734  | 30.636 | 13.719 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00130 | -.00351 | .00790 | -.00580 | -.00052 | .10116 | .01740 |
| #2 | .00015  | -.00241 | .00769 | .00068  | -.00459 | .05349 | .01341 |
| #3 | .00084  | -.00073 | .00555 | -.00298 | -.00254 | .07897 | .01443 |

|        |         |         |        |        |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00004 | -.00035 | 130.52 | .01969 | -.00034 | -.00016 | .00588 |
| Stddev | .00006  | .00009  | 1.05   | .00073 | .00006  | .00039  | .00161 |
| %RSD   | 145.04  | 26.166  | .80761 | 3.6979 | 19.002  | 251.14  | 27.396 |

|    |         |         |        |        |         |         |        |
|----|---------|---------|--------|--------|---------|---------|--------|
| #1 | -.00006 | -.00046 | 129.34 | .01953 | -.00029 | -.00053 | .00479 |
| #2 | -.00008 | -.00031 | 131.38 | .02049 | -.00041 | .00025  | .00773 |
| #3 | .00003  | -.00029 | 130.83 | .01906 | -.00031 | -.00019 | .00512 |

|        |         |        |         |         |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00003 | .04105 | -.00119 | -.00011 | 220.84 | .00353 | .00038 |
| Stddev | .00011  | .02332 | .00060  | .00035  | 2.23   | .00037 | .00010 |
| %RSD   | 320.08  | 56.804 | 50.736  | 308.63  | 1.0110 | 10.547 | 27.537 |

|    |         |        |         |         |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00006 | .02028 | -.00143 | -.00051 | 218.43 | .00317 | .00044 |
| #2 | -.00012 | .06628 | -.00164 | .00015  | 221.25 | .00353 | .00044 |
| #3 | .00009  | .03659 | -.00050 | .00002  | 222.84 | .00391 | .00026 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 4.5074 | .00064 | .02253 | 3.8870 | 3.1895 | .00038 | -.01071 |
| Stddev | .0625  | .00026 | .00586 | .0336  | .0180  | .00053 | .00269  |
| %RSD   | 1.3878 | 40.591 | 26.033 | .86382 | .56525 | 137.62 | 25.087  |

|    |        |        |        |        |        |        |         |
|----|--------|--------|--------|--------|--------|--------|---------|
| #1 | 4.4423 | .00082 | .01587 | 3.9144 | 3.1750 | .00099 | -.00908 |
| #2 | 4.5128 | .00075 | .02695 | 3.8969 | 3.1838 | .00014 | -.00924 |
| #3 | 4.5671 | .00034 | .02475 | 3.8495 | 3.2097 | .00002 | -.01381 |

Sample Name: K1513-02      Acquired: 2/18/2019 20:51:11      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FLOORS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .02071 | .0018  | .90346 | 4.7659 | F<.00000 |
| Stddev    | .00162 | .0008  | .00768 | .1606  | 1.2054   |
| %RSD      | 7.8210 | 42.37  | .84993 | 3.3700 | 43.062   |
| #1        | .01978 | .0026  | .89489 | 4.6730 | -3.8932  |
| #2        | .02258 | .0011  | .90972 | 4.9514 | -1.5070  |
| #3        | .01977 | .0018  | .90576 | 4.6734 | -2.9974  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3252.5 | 32671. | 3705.0 | 13.856 | 3195.2   |
| Stddev    | 8.5    | 147.   | 25.1   | .761   | 12.3     |
| %RSD      | .26151 | .44936 | .67783 | 5.4947 | .38541   |
| #1        | 3245.8 | 32769. | 3733.1 | 13.566 | 3184.8   |
| #2        | 3249.5 | 32503. | 3684.9 | 14.720 | 3192.0   |
| #3        | 3262.0 | 32743. | 3696.8 | 13.282 | 3208.8   |

Sample Name: K1513-04      Acquired: 2/18/2019 20:55:46      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: WALL-ONE      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00076 | -.00249 | .00752 | -.00129 | -.00192 | .02351 | .04036 |
| Stddev | .00213 | .00089  | .00035 | .00140  | .00249  | .02585 | .00365 |
| %RSD   | 279.95 | 35.945  | 4.7019 | 108.42  | 129.35  | 109.92 | 9.0554 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00214  | -.00208 | .00764 | -.00283 | .00028  | -.00128 | .04429 |
| #2 | .00185  | -.00352 | .00781 | -.00096 | -.00462 | .05030  | .03973 |
| #3 | -.00170 | -.00187 | .00713 | -.00009 | -.00143 | .02153  | .03706 |

|        |        |         |        |        |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00006 | -.00041 | 130.22 | .00351 | -.00041 | -.00050 | -.00330 |
| Stddev | .00003 | .00006  | .97    | .00053 | .00011  | .00046  | .00315  |
| %RSD   | 46.411 | 13.634  | .74276 | 14.997 | 26.442  | 93.124  | 95.568  |

|    |        |         |        |        |         |         |         |
|----|--------|---------|--------|--------|---------|---------|---------|
| #1 | .00006 | -.00038 | 131.16 | .00402 | -.00028 | -.00063 | .00032  |
| #2 | .00009 | -.00037 | 129.23 | .00354 | -.00046 | -.00088 | -.00476 |
| #3 | .00003 | -.00047 | 130.27 | .00297 | -.00048 | .00002  | -.00546 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01448 | 40.997 | .00059 | -.00013 | 258.45 | .00173 | .00704 |
| Stddev | .00020 | .248   | .00030 | .00059  | 2.44   | .00032 | .00031 |
| %RSD   | 1.4047 | .60440 | 51.169 | 463.43  | .94570 | 18.552 | 4.3393 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .01469 | 41.245 | .00078 | -.00057 | 261.09 | .00175 | .00683 |
| #2 | .01429 | 40.749 | .00075 | -.00036 | 257.99 | .00140 | .00691 |
| #3 | .01445 | 40.997 | .00024 | .00055  | 256.27 | .00204 | .00739 |

|        |        |        |        |        |        |         |         |
|--------|--------|--------|--------|--------|--------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm     |
| Avg    | 5.3556 | .00075 | .03007 | 9.4081 | 5.4878 | -.00031 | -.01142 |
| Stddev | .0520  | .00015 | .00288 | .0344  | .0859  | .00084  | .00225  |
| %RSD   | .97135 | 20.033 | 9.5659 | .36604 | 1.5658 | 271.68  | 19.713  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 5.3007 | .00089 | .02692 | 9.3748 | 5.5839 | -.00128 | -.00991 |
| #2 | 5.3619 | .00075 | .03257 | 9.4436 | 5.4184 | .00021  | -.01401 |
| #3 | 5.4041 | .00060 | .03072 | 9.4057 | 5.4611 | .00014  | -.01035 |

Sample Name: K1513-04      Acquired: 2/18/2019 20:55:46      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: WALL-ONE      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .03849 | .0074  | .57885 | 5.1516 | F<.00000 |
| Stddev | .00110 | .0004  | .00402 | .1724  | .18733   |
| %RSD   | 2.8459 | 5.361  | .69378 | 3.3459 | 8.1819   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .03723 | .0072 | .58312 | 5.0239 | -2.3415 |
| #2 | .03921 | .0079 | .57515 | 5.3477 | -2.4456 |
| #3 | .03904 | .0071 | .57827 | 5.0832 | -2.0818 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3223.4 | 32149. | 3641.4 | 15.352 | 3150.5 |
| Stddev    | 5.8    | 55.    | 53.3   | .255   | 3.2    |
| %RSD      | .18131 | .17050 | 1.4631 | 1.6610 | .10215 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3218.9 | 32092. | 3581.7 | 15.390 | 3146.8 |
| #2 | 3221.3 | 32202. | 3684.1 | 15.080 | 3151.8 |
| #3 | 3230.0 | 32153. | 3658.5 | 15.585 | 3152.8 |

Sample Name: K1513-06      Acquired: 2/18/2019 21:00:20      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: INNER-WALL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00029 | -.00203 | .00631 | -.00017 | -.00125 | .02118 | .04608 |
| Stddev | .00462  | .00163  | .00133 | .00203  | .00279  | .01845 | .00733 |
| %RSD   | 1590.1  | 80.523  | 21.084 | 1171.2  | 222.33  | 87.108 | 15.898 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00205  | -.00204 | .00617 | -.00236 | .00119  | .00492 | .03812 |
| #2 | .00269  | -.00365 | .00771 | .00020  | -.00067 | .04124 | .04759 |
| #3 | -.00561 | -.00039 | .00506 | .00164  | -.00429 | .01739 | .05254 |

|        |        |         |        |        |         |        |         |
|--------|--------|---------|--------|--------|---------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00004 | -.00044 | 124.15 | .00460 | -.00029 | .00083 | -.00184 |
| Stddev | .00004 | .00012  | .57    | .00075 | .00017  | .00017 | .00147  |
| %RSD   | 117.82 | 27.600  | .45604 | 16.391 | 57.995  | 20.784 | 80.173  |

|    |         |         |        |        |         |        |         |
|----|---------|---------|--------|--------|---------|--------|---------|
| #1 | -.00000 | -.00032 | 123.54 | .00389 | -.00024 | .00064 | -.00309 |
| #2 | .00003  | -.00056 | 124.28 | .00452 | -.00048 | .00098 | -.00022 |
| #3 | .00008  | -.00045 | 124.65 | .00539 | -.00016 | .00087 | -.00220 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01189 | 24.923 | .00061 | -.00018 | 223.54 | .00192 | .01539 |
| Stddev | .00005 | .317   | .00013 | .00047  | 1.74   | .00011 | .00003 |
| %RSD   | .43665 | 1.2700 | 21.623 | 261.50  | .77691 | 5.6606 | .18617 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .01185 | 24.595 | .00057 | -.00069 | 221.85 | .00197 | .01535 |
| #2 | .01188 | 24.946 | .00076 | .00024  | 223.46 | .00200 | .01539 |
| #3 | .01195 | 25.227 | .00050 | -.00008 | 225.32 | .00180 | .01541 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 2.5114 | .00014 | .02772 | 4.4912 | 4.6066 | .00080 | -.01080 |
| Stddev | .0629  | .00035 | .00844 | .0379  | .0070  | .00053 | .00357  |
| %RSD   | 2.5063 | 254.79 | 30.452 | .84330 | .15291 | 65.676 | 33.059  |

|    |        |         |        |        |        |        |         |
|----|--------|---------|--------|--------|--------|--------|---------|
| #1 | 2.4488 | .00051  | .02992 | 4.5072 | 4.6006 | .00137 | -.00813 |
| #2 | 2.5107 | .00010  | .03484 | 4.4479 | 4.6144 | .00033 | -.00942 |
| #3 | 2.5747 | -.00019 | .01839 | 4.5184 | 4.6048 | .00071 | -.01486 |

Sample Name: K1513-06      Acquired: 2/18/2019 21:00:20      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: INNER-WALL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02766 | .0031  | .55775 | 4.5876 | F<.00000 |
| Stddev | .00208 | .0014  | .00020 | .3872  | .47997   |
| %RSD   | 7.5298 | 46.52  | .03609 | 8.4396 | 14.921   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02536 | .0033 | .55795 | 5.0346 | -2.9400 |
| #2 | .02942 | .0016 | .55755 | 4.3569 | -3.7711 |
| #3 | .02819 | .0044 | .55776 | 4.3714 | -2.9395 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3232.2 | 32568. | 3637.3 | 14.532 | 3173.0 |
| Stddev    | 5.3    | 174.   | 17.1   | 1.936  | 5.0    |
| %RSD      | .16445 | .53401 | .46952 | 13.326 | .15882 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3226.8 | 32377. | 3619.0 | 12.435 | 3167.2 |
| #2 | 3237.4 | 32610. | 3640.0 | 16.253 | 3176.2 |
| #3 | 3232.5 | 32717. | 3652.9 | 14.907 | 3175.7 |

Sample Name: K1517-10      Acquired: 2/18/2019 21:04:55      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: G-021519      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00087 | -.00516 | .00465 | -.00179 | -.00189 | .06917 | .15430 |
| Stddev | .00303 | .00161  | .00034 | .00189  | .00036  | .01791 | .00666 |
| %RSD   | 348.61 | 31.247  | 7.2751 | 105.77  | 19.065  | 25.900 | 4.3190 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00185  | -.00330 | .00464 | -.00150 | -.00183 | .06495 | .16061 |
| #2 | -.00253 | -.00605 | .00432 | -.00381 | -.00228 | .05374 | .15496 |
| #3 | .00329  | -.00614 | .00500 | -.00006 | -.00157 | .08881 | .14733 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | -.00036 | 114.90 | .00150 | .00427 | .00195 | .11340 |
| Stddev | .00004 | .00005  | 1.09   | .00038 | .00046 | .00004 | .00074 |
| %RSD   | 101.87 | 13.242  | .94872 | 25.449 | 10.693 | 1.9285 | .65271 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00009 | -.00032 | 114.88 | .00186 | .00443 | .00194 | .11350 |
| #2 | .00000 | -.00041 | 116.00 | .00153 | .00375 | .00193 | .11261 |
| #3 | .00003 | -.00035 | 113.82 | .00110 | .00462 | .00200 | .11408 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .53333 | 20.552 | .00520 | -.00033 | 301.03 | .00020 | .02782 |
| Stddev | .00207 | .093   | .00010 | .00019  | 2.11   | .00024 | .00022 |
| %RSD   | .38811 | .45344 | 1.9108 | 58.308  | .70005 | 123.60 | .77315 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .53106 | 20.607 | .00530 | -.00055 | 302.21 | .00048 | .02758 |
| #2 | .53512 | 20.444 | .00520 | -.00028 | 302.29 | .00005 | .02794 |
| #3 | .53380 | 20.605 | .00510 | -.00017 | 298.60 | .00006 | .02795 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.7613 | .00023 | .00061 | .53071 | .63250 | .00301 | -.00926 |
| Stddev | .0264  | .00020 | .00508 | .02058 | .00283 | .00027 | .00291  |
| %RSD   | 1.4977 | 85.610 | 826.90 | 3.8777 | .44766 | 9.1219 | 31.380  |

|    |        |        |         |        |        |        |         |
|----|--------|--------|---------|--------|--------|--------|---------|
| #1 | 1.7640 | .00002 | .00010  | .51387 | .63020 | .00326 | -.00655 |
| #2 | 1.7337 | .00025 | .00593  | .55365 | .63566 | .00305 | -.01233 |
| #3 | 1.7863 | .00042 | -.00420 | .52462 | .63163 | .00272 | -.00891 |

Sample Name: K1517-10      Acquired: 2/18/2019 21:04:55      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: G-021519      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01756 | .0013  | .24980 | 5.1226 | F<.00000 |
| Stddev | .00272 | .0011  | .00084 | .2305  | 1.0650   |
| %RSD   | 15.494 | 85.32  | .33571 | 4.4999 | 48.695   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01445 | .0026 | .25077 | 5.0779 | -.99013 |
| #2 | .01951 | .0011 | .24928 | 5.3722 | -2.5410 |
| #3 | .01872 | .0004 | .24935 | 4.9178 | -3.0299 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3202.9 | 32122. | 3661.4 | 15.362 | 3088.8 |
| Stddev    | 2.8    | 86.    | 48.7   | .095   | 6.2    |
| %RSD      | .08656 | .26872 | 1.3310 | .61878 | .20074 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3204.3 | 32195. | 3648.6 | 15.399 | 3095.6 |
| #2 | 3199.8 | 32027. | 3620.3 | 15.254 | 3083.4 |
| #3 | 3204.8 | 32145. | 3715.2 | 15.433 | 3087.5 |

Sample Name: K1518-02      Acquired: 2/18/2019 21:09:28      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00033 | -.00244 | .01583 | -.00046 | -.00308 | .02306 | .19828 |
| Stddev | .00222  | .00273  | .00103 | .00121  | .00260  | .01364 | .00458 |
| %RSD   | 681.01  | 112.19  | 6.5322 | 262.02  | 84.411  | 59.150 | 2.3077 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00135  | -.00359 | .01700 | .00034  | -.00383 | .00744 | .20355 |
| #2 | .00051  | .00068  | .01506 | .00012  | -.00522 | .03263 | .19535 |
| #3 | -.00284 | -.00440 | .01542 | -.00185 | -.00019 | .02910 | .19594 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | .00509 | 132.53 | .02374 | .00040 | .01217 | .01145 |
| Stddev | .00011 | .00008 | .59    | .00070 | .00017 | .00071 | .00093 |
| %RSD   | 255.04 | 1.5797 | .44879 | 2.9274 | 43.597 | 5.8390 | 8.1684 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00010  | .00517 | 133.14 | .02297 | .00060 | .01299 | .01063 |
| #2 | .00012  | .00501 | 132.48 | .02394 | .00031 | .01180 | .01246 |
| #3 | -.00009 | .00508 | 131.96 | .02432 | .00029 | .01173 | .01125 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .18753 | 2.3505 | .00694 | -.00034 | 235.14 | .00033 | .06748 |
| Stddev | .00020 | .0026  | .00033 | .00051  | 1.29   | .00086 | .00027 |
| %RSD   | .10762 | .11204 | 4.7238 | 149.25  | .54760 | 259.34 | .39736 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .18776 | 2.3519 | .00693 | -.00090 | 235.60 | -.00038 | .06738 |
| #2 | .18739 | 2.3522 | .00662 | -.00021 | 236.14 | .00130  | .06779 |
| #3 | .18744 | 2.3475 | .00727 | .00009  | 233.69 | .00008  | .06728 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.2529 | .00102 | .00381 | 1.6510 | 3.2366 | .00230 | -.01450 |
| Stddev | .0147  | .00044 | .01211 | .0293  | .0478  | .00012 | .00138  |
| %RSD   | 1.1725 | 42.926 | 317.76 | 1.7729 | 1.4759 | 5.0136 | 9.5287  |

|    |        |        |         |        |        |        |         |
|----|--------|--------|---------|--------|--------|--------|---------|
| #1 | 1.2382 | .00053 | -.00572 | 1.6639 | 3.2829 | .00238 | -.01604 |
| #2 | 1.2529 | .00137 | .01743  | 1.6717 | 3.2394 | .00217 | -.01406 |
| #3 | 1.2675 | .00115 | -.00028 | 1.6175 | 3.1875 | .00236 | -.01338 |

Sample Name: K1518-02      Acquired: 2/18/2019 21:09:28      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01855 | .0081  | .29541 | 4.8849 | F<.00000 |
| Stddev | .00077 | .0018  | .00109 | .2480  | .44705   |
| %RSD   | 4.1481 | 21.90  | .36871 | 5.0771 | 17.020   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01772 | .0060 | .29501 | 4.8688 | -2.8546 |
| #2 | .01871 | .0090 | .29664 | 4.6453 | -2.1116 |
| #3 | .01923 | .0092 | .29458 | 5.1405 | -2.9138 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3265.2 | 32641. | 3685.4 | 15.770 | 3201.2 |
| Stddev    | 17.0   | 46.    | 41.4   | 1.238  | 7.4    |
| %RSD      | .52019 | .14021 | 1.1244 | 7.8509 | .23124 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3269.0 | 32633. | 3645.0 | 14.884 | 3203.0 |
| #2 | 3280.0 | 32690. | 3683.4 | 15.241 | 3207.5 |
| #3 | 3246.6 | 32600. | 3727.8 | 17.185 | 3193.1 |

Sample Name: CCV09      Acquired: 2/18/2019 21:14:01      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14571      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |          |        |          |          |
|--------|--------|--------|----------|--------|----------|--------|----------|----------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068   | Al3961 | Ba4934   | Be2348   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 4.8812 | 4.8341 | 4.8787   | 4.8310 | 4.8132   | 9.2964 | F 8.8973 | .24795   |
| Stddev | .0223  | .0231  | .0158    | .0211  | .0135    | .0803  | .0769    | .00056   |
| %RSD   | .45615 | .47767 | .32340   | .43712 | .28102   | .86400 | .86420   | .22573   |
| #1     | 4.9069 | 4.8557 | 4.8948   | 4.8533 | 4.8277   | 9.2105 | 8.8146   | .24841   |
| #2     | 4.8702 | 4.8368 | 4.8780   | 4.8113 | 4.8110   | 9.3091 | 8.9107   | .24811   |
| #3     | 4.8666 | 4.8098 | 4.8632   | 4.8285 | 4.8009   | 9.3696 | 8.9666   | .24733   |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247   | Fe2404 | Mn2576   | Mg2790   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.5161 | 24.092 | 1.0217   | 2.4713 | 1.1981   | 5.2747 | 2.5147   | 24.482   |
| Stddev | .0083  | .164   | .0018    | .0090  | .0040    | .0125  | .0021    | .258     |
| %RSD   | .33031 | .68231 | .17398   | .36510 | .33803   | .23712 | .08508   | 1.0531   |
| #1     | 2.5239 | 23.922 | 1.0217   | 2.4779 | 1.2027   | 5.2886 | 2.5154   | 24.221   |
| #2     | 2.5171 | 24.103 | 1.0235   | 2.4749 | 1.1959   | 5.2713 | 2.5164   | 24.489   |
| #3     | 2.5073 | 24.250 | 1.0199   | 2.4610 | 1.1956   | 5.2643 | 2.5123   | 24.737   |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138   | K_7664 | Mo2020   | B_2496   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 2.4586 | 1.1967 | F 21.551 | 2.3933 | 2.4079   | 22.660 | 4.7059   | 4.5707   |
| Stddev | .0040  | .0017  | .178     | .0063  | .0093    | .207   | .0132    | .0418    |
| %RSD   | .16404 | .14326 | .82612   | .26331 | .38462   | .91146 | .28140   | .91413   |
| #1     | 2.4614 | 1.1956 | 21.402   | 2.4001 | 2.4139   | 22.451 | 4.7205   | 4.5346   |
| #2     | 2.4604 | 1.1958 | 21.504   | 2.3876 | 2.4126   | 22.663 | 4.6945   | 4.5610   |
| #3     | 2.4539 | 1.1986 | 21.748   | 2.3924 | 2.3973   | 22.865 | 4.7028   | 4.6165   |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707   | P_1774 | Sr4077   | U_3670   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    | ppm      | ppm      |
| Avg    | 4.5185 | 4.6145 | 4.7394   | 4.7016 | F 4.3540 | 4.731  | 4.7436   | F 4.3556 |
| Stddev | .0210  | .0169  | .0115    | .0282  | .0299    | .013   | .0346    | .1232    |
| %RSD   | .46535 | .36660 | .24167   | .59943 | .68586   | .2833  | .72899   | 2.8292   |
| #1     | 4.5014 | 4.6338 | 4.7488   | 4.6700 | 4.3251   | 4.744  | 4.7058   | 4.4828   |
| #2     | 4.5420 | 4.6022 | 4.7428   | 4.7106 | 4.3522   | 4.732  | 4.7514   | 4.3472   |
| #3     | 4.5122 | 4.6075 | 4.7266   | 4.7241 | 4.3848   | 4.717  | 4.7736   | 4.2367   |

Sample Name: CCV09      Acquired: 2/18/2019 21:14:01      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14571      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7277  
Stddev      .2199  
%RSD      8.0624

#1      2.6360  
#2      2.9786  
#3      2.5684

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3373.8 | 33886. | 3656.4 | 15.496 | 3290.5 |
| Stddev    | 14.1   | 84.    | 8.9    | 1.308  | 11.6   |
| %RSD      | .41647 | .24836 | .24314 | 8.4377 | .35203 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3358.1 | 33921. | 3651.7 | 14.058 | 3279.4 |
| #2 | 3385.1 | 33791. | 3650.9 | 16.614 | 3289.6 |
| #3 | 3378.2 | 33948. | 3666.7 | 15.816 | 3302.5 |

Sample Name: CCB09      Acquired: 2/18/2019 21:18:01      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14571      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961  | Ba4934  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00249 | .00083 | .00165 | -.00239 | .00063 | -.01056 | -.00559 |
| Stddev | .00175 | .00053 | .00046 | .00098  | .00062 | .00611  | .00327  |
| %RSD   | 70.545 | 63.976 | 27.570 | 40.919  | 97.667 | 57.843  | 58.617  |

|    |        |        |        |         |        |         |         |
|----|--------|--------|--------|---------|--------|---------|---------|
| #1 | .00415 | .00059 | .00194 | -.00157 | .00046 | -.00812 | -.00483 |
| #2 | .00266 | .00143 | .00189 | -.00212 | .00012 | -.01752 | -.00275 |
| #3 | .00065 | .00046 | .00113 | -.00347 | .00132 | -.00605 | -.00917 |

|        |        |         |         |         |         |         |        |
|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00002 | -.00010 | -.00132 | -.00005 | -.00012 | -.00059 | .00269 |
| Stddev | .00008 | .00005  | .00916  | .00045  | .00019  | .00027  | .00303 |
| %RSD   | 335.00 | 51.069  | 692.84  | 954.35  | 166.58  | 45.026  | 112.94 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00004  | -.00007 | .00925  | -.00019 | -.00003 | -.00060 | .00456  |
| #2 | .00009  | -.00007 | -.00675 | .00046  | .00002  | -.00085 | .00430  |
| #3 | -.00006 | -.00016 | -.00647 | -.00041 | -.00034 | -.00032 | -.00081 |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00009 | .01776 | -.00018 | .00036 | -.08073 | .00049 | -.00072 |
| Stddev | .00002  | .04206 | .00029  | .00029 | .00863  | .00023 | .00011  |
| %RSD   | 21.586  | 236.76 | 159.80  | 79.208 | 10.690  | 46.870 | 15.581  |

|    |         |         |         |        |         |        |         |
|----|---------|---------|---------|--------|---------|--------|---------|
| #1 | -.00009 | -.00116 | -.00032 | .00008 | -.09037 | .00043 | -.00060 |
| #2 | -.00007 | .06596  | .00015  | .00035 | -.07812 | .00074 | -.00082 |
| #3 | -.00011 | -.01150 | -.00038 | .00065 | -.07371 | .00029 | -.00075 |

|        |        |         |        |           |         |        |         |
|--------|--------|---------|--------|-----------|---------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820    | Si2881  | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm       | ppm     | ppm    | ppm     |
| Avg    | .19672 | -.00032 | .00184 | F -.19239 | -.00000 | .00000 | -.00545 |
| Stddev | .01410 | .00002  | .00144 | .01690    | .00094  | .00047 | .00065  |
| %RSD   | 7.1695 | 4.8751  | 78.376 | 8.7844    | 139630. | 25443. | 12.016  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .18179 | -.00032 | .00047 | -.17361 | .00052  | -.00033 | -.00595 |
| #2 | .19856 | -.00034 | .00171 | -.19719 | .00056  | .00054  | -.00569 |
| #3 | .20982 | -.00032 | .00334 | -.20637 | -.00108 | -.00020 | -.00471 |

Sample Name: CCB09      Acquired: 2/18/2019 21:18:01      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14571      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |          |          |
|-----------|---------|--------|--------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg       | -.00352 | .0009  | .00026 | F 1.6577 | F<.00000 |
| Stddev    | .00175  | .0004  | .00014 | .0960    | .73368   |
| %RSD      | 49.714  | 43.23  | 53.897 | 5.7925   | 71.798   |
| #1        | -.00248 | .0014  | .00042 | 1.7531   | -1.3991  |
| #2        | -.00554 | .0006  | .00021 | 1.6589   | -.17632  |
| #3        | -.00254 | .0008  | .00015 | 1.5611   | -1.4902  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3545.1  | 35975. | 3724.9 | 15.136   | 3723.8   |
| Stddev    | 9.0     | 78.    | 25.0   | .680     | 23.8     |
| %RSD      | .25437  | .21699 | .67233 | 4.4916   | .63960   |
| #1        | 3536.6  | 35897. | 3698.4 | 15.914   | 3703.4   |
| #2        | 3544.2  | 36053. | 3748.1 | 14.843   | 3750.0   |
| #3        | 3554.6  | 35974. | 3728.3 | 14.652   | 3718.2   |

Sample Name: K1518-04      Acquired: 2/18/2019 21:22:29      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00117 | -.00188 | .29564 | .00018 | -.00097 | .04460 | .40907 |
| Stddev | .00301  | .00032  | .00102 | .00305 | .00109  | .00321 | .00260 |
| %RSD   | 256.74  | 16.996  | .34416 | 1709.6 | 113.20  | 7.2050 | .63445 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00010 | -.00222 | .29536 | .00154  | -.00075 | .04360 | .41143 |
| #2 | .00115  | -.00180 | .29677 | -.00332 | -.00215 | .04820 | .40629 |
| #3 | -.00457 | -.00160 | .29480 | .00232  | .00001  | .04201 | .40948 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00009 | .00469 | 81.139 | .00560 | .00071 | .05998 | .00694 |
| Stddev | .00005  | .00009 | .185   | .00029 | .00015 | .00016 | .00146 |
| %RSD   | 53.014  | 2.0195 | .22797 | 5.2056 | 20.581 | .27436 | 20.997 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00005 | .00476 | 81.087 | .00542 | .00054 | .05995 | .00709 |
| #2 | -.00008 | .00458 | 80.985 | .00594 | .00081 | .06015 | .00831 |
| #3 | -.00015 | .00473 | 81.344 | .00545 | .00078 | .05983 | .00541 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14502 | 2.5492 | .00484 | -.00004 | 275.49 | .00024 | .44139 |
| Stddev | .00086 | .0516  | .00064 | .00078  | 1.81   | .00077 | .00075 |
| %RSD   | .59102 | 2.0246 | 13.189 | 1980.2  | .65792 | 316.71 | .16942 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .14414 | 2.5186 | .00494 | -.00061 | 275.81 | .00113  | .44220 |
| #2 | .14505 | 2.6088 | .00542 | .00085  | 273.53 | -.00025 | .44072 |
| #3 | .14586 | 2.5201 | .00416 | -.00036 | 277.11 | -.00015 | .44125 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.0566 | -.00012 | -.00093 | .26863 | .99836 | .00254 | -.00957 |
| Stddev | .0738  | .00007  | .00294  | .01613 | .01429 | .00098 | .00219  |
| %RSD   | 6.9869 | 54.133  | 316.72  | 6.0049 | 1.4311 | 38.374 | 22.907  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .97874 | -.00006 | -.00406 | .27150 | .99968 | .00318 | -.01107 |
| #2 | 1.0655 | -.00019 | -.00049 | .28313 | .98345 | .00303 | -.00705 |
| #3 | 1.1256 | -.00011 | .00176  | .25126 | 1.0119 | .00142 | -.01058 |

Sample Name: K1518-04      Acquired: 2/18/2019 21:22:29      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00685 | .0170  | .30260 | 4.5363 | F<.00000 |
| Stddev | .00209 | .0007  | .00147 | .2626  | .37005   |
| %RSD   | 30.475 | 3.923  | .48470 | 5.7887 | 11.182   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00495 | .0169 | .30276 | 4.6496 | -3.6676 |
| #2 | .00652 | .0177 | .30106 | 4.7232 | -2.9285 |
| #3 | .00908 | .0164 | .30398 | 4.2361 | -3.3315 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3300.9 | 32658. | 3687.2 | 16.604 | 3215.1 |
| Stddev    | 6.7    | 168.   | 30.7   | 1.676  | 2.4    |
| %RSD      | .20259 | .51455 | .83205 | 10.091 | .07561 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3304.5 | 32628. | 3655.8 | 17.002 | 3217.7 |
| #2 | 3293.2 | 32506. | 3717.1 | 14.765 | 3212.9 |
| #3 | 3305.0 | 32838. | 3688.9 | 18.045 | 3214.6 |

Sample Name: K1518-06      Acquired: 2/18/2019 21:27:00      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRID3G      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00158 | -.00111 | .79146 | .00092 | -.00187 | .03064 | .32029 |
| Stddev | .00075  | .00185  | .00088 | .00258 | .00143  | .01358 | .00361 |
| %RSD   | 47.196  | 166.39  | .11119 | 279.46 | 76.398  | 44.326 | 1.1281 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00141 | -.00278 | .79248 | -.00087 | -.00071 | .04048 | .32443 |
| #2 | -.00094 | .00087  | .79091 | -.00024 | -.00346 | .01514 | .31866 |
| #3 | -.00240 | -.00142 | .79100 | .00388  | -.00143 | .03629 | .31777 |

|        |         |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00000 | .00327 | 49.549 | .00060 | .00162 | .09428 | .00731 |
| Stddev | .00003  | .00002 | .526   | .00040 | .00016 | .00021 | .00028 |
| %RSD   | 6127.0  | .74247 | 1.0611 | 66.274 | 9.7412 | .22493 | 3.7861 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00004 | .00330 | 49.795 | .00106 | .00166 | .09404 | .00749 |
| #2 | .00002  | .00327 | 49.907 | .00043 | .00175 | .09438 | .00744 |
| #3 | .00001  | .00325 | 48.946 | .00032 | .00144 | .09442 | .00699 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19174 | 1.3699 | .00496 | .00046 | 216.97 | .00054 | .76246 |
| Stddev | .00107 | .0524  | .00012 | .00016 | 1.43   | .00016 | .00271 |
| %RSD   | .55832 | 3.8249 | 2.3660 | 34.752 | .65927 | 29.196 | .35556 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19102 | 1.4114 | .00502 | .00029 | 218.47 | .00049 | .76369 |
| #2 | .19297 | 1.3111 | .00482 | .00049 | 216.81 | .00041 | .76435 |
| #3 | .19122 | 1.3873 | .00503 | .00061 | 215.62 | .00072 | .75936 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .87946 | -.00028 | -.00189 | .25681 | .67089 | .00215 | -.00745 |
| Stddev | .02978 | .00018  | .00887  | .02859 | .01461 | .00077 | .00336  |
| %RSD   | 3.3858 | 62.442  | 468.26  | 11.132 | 2.1777 | 35.974 | 45.076  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | .90023 | -.00026 | .00834  | .27935 | .67229 | .00159 | -.00359 |
| #2 | .89281 | -.00047 | -.00666 | .22465 | .68475 | .00183 | -.00905 |
| #3 | .84535 | -.00012 | -.00736 | .26643 | .65563 | .00303 | -.00970 |

Sample Name: K1518-06      Acquired: 2/18/2019 21:27:00      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRID3G      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00638 | .0162  | .17806 | 4.2127 | F<.00000 |
| Stddev | .00155 | .0016  | .00022 | .3010  | .89545   |
| %RSD   | 24.287 | 9.788  | .12188 | 7.1441 | 31.158   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00799 | .0161 | .17819 | 4.0095 | -2.4260 |
| #2 | .00490 | .0148 | .17817 | 4.0702 | -2.2908 |
| #3 | .00625 | .0179 | .17781 | 4.5585 | -3.9049 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3322.2 | 33297. | 3689.5 | 14.741 | 3275.4 |
| Stddev    | 3.9    | 100.   | 34.5   | 1.225  | 8.0    |
| %RSD      | .11874 | .30022 | .93611 | 8.3120 | .24336 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3320.7 | 33382. | 3670.7 | 15.083 | 3267.1 |
| #2 | 3319.3 | 33322. | 3668.4 | 15.759 | 3276.0 |
| #3 | 3326.7 | 33187. | 3729.4 | 13.381 | 3283.0 |

Sample Name: K1518-08      Acquired: 2/18/2019 21:31:28      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00125 | -.00282 | .06459 | .00147 | .00015 | .05281 | .20507 |
| Stddev | .00429 | .00059  | .00068 | .00362 | .00160 | .00865 | .00191 |
| %RSD   | 342.27 | 21.096  | 1.0521 | 245.78 | 1078.5 | 16.386 | .93047 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00377  | -.00347 | .06435 | .00547  | .00139  | .04672 | .20385 |
| #2 | .00368  | -.00268 | .06536 | -.00160 | .00073  | .04898 | .20727 |
| #3 | -.00370 | -.00231 | .06406 | .00055  | -.00166 | .06271 | .20410 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00015 | .00121 | 11.434 | .00013 | .00710 | .01211 | 1.1323 |
| Stddev | .00005 | .00013 | .046   | .00018 | .00015 | .00026 | .0141  |
| %RSD   | 36.449 | 10.892 | .40511 | 141.31 | 2.1634 | 2.1142 | 1.2456 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00009 | .00116 | 11.382 | .00032  | .00693 | .01183 | 1.1450 |
| #2 | .00019 | .00112 | 11.470 | -.00005 | .00722 | .01233 | 1.1347 |
| #3 | .00017 | .00136 | 11.451 | .00012  | .00715 | .01216 | 1.1171 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.2678 | 1.5575 | .01133 | .00053 | 252.64 | -.00115 | .06437 |
| Stddev | .0021  | .0457  | .00003 | .00048 | 2.01   | .00076  | .00013 |
| %RSD   | .16530 | 2.9337 | .25724 | 90.229 | .79501 | 65.825  | .20572 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 1.2657 | 1.5295 | .01132 | .00042 | 254.83 | -.00067 | .06441 |
| #2 | 1.2678 | 1.5328 | .01136 | .00011 | 252.24 | -.00075 | .06449 |
| #3 | 1.2699 | 1.6103 | .01131 | .00105 | 250.87 | -.00202 | .06423 |

|        |        |        |         |         |        |        |         |
|--------|--------|--------|---------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.0658 | .00016 | -.00129 | -.06594 | .41626 | .00126 | -.00639 |
| Stddev | .0245  | .00037 | .00272  | .00819  | .00578 | .00066 | .00168  |
| %RSD   | 2.2969 | 236.54 | 210.81  | 12.421  | 1.3888 | 51.882 | 26.341  |

|    |        |         |         |         |        |        |         |
|----|--------|---------|---------|---------|--------|--------|---------|
| #1 | 1.0401 | .00039  | .00177  | -.07329 | .41393 | .00202 | -.00816 |
| #2 | 1.0686 | .00035  | -.00342 | -.06741 | .42284 | .00087 | -.00481 |
| #3 | 1.0888 | -.00027 | -.00222 | -.05711 | .41200 | .00090 | -.00619 |

Sample Name: K1518-08      Acquired: 2/18/2019 21:31:28      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00185 | -.0008 | .06140 | 3.8439 | F<.00000 |
| Stddev | .00125 | .0010  | .00027 | .1421  | 1.1436   |
| %RSD   | 67.692 | 124.2  | .44223 | 3.6974 | 102.93   |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .00283 | -.0011 | .06150 | 4.0054 | -1.1276 |
| #2 | .00227 | .0003  | .06110 | 3.7886 | -2.2462 |
| #3 | .00044 | -.0017 | .06162 | 3.7378 | .04077  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3344.8 | 33444. | 3707.0 | 15.186 | 3278.4 |
| Stddev    | 27.5   | 63.    | 31.6   | .892   | 2.9    |
| %RSD      | .82359 | .18820 | .85264 | 5.8737 | .08825 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3362.4 | 33381. | 3671.4 | 14.157 | 3280.6 |
| #2 | 3359.0 | 33444. | 3717.9 | 15.727 | 3275.1 |
| #3 | 3313.1 | 33507. | 3731.7 | 15.675 | 3279.5 |

Sample Name: K1518-10      Acquired: 2/18/2019 21:36:00      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00074 | -.00226 | .06103 | .00012 | -.00063 | .05603 | .27284 |
| Stddev | .00046 | .00067  | .00024 | .00137 | .00234  | .01212 | .00236 |
| %RSD   | 62.330 | 29.628  | .40055 | 1140.9 | 371.98  | 21.633 | .86417 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00023 | -.00244 | .06131 | -.00094 | -.00032 | .06909 | .27494 |
| #2 | .00086 | -.00152 | .06095 | -.00037 | .00154  | .05385 | .27029 |
| #3 | .00113 | -.00283 | .06084 | .00166  | -.00311 | .04514 | .27331 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00009 | .00686 | 48.593 | .00054 | .00789 | .05695 | .06293 |
| Stddev | .00008 | .00005 | .191   | .00025 | .00024 | .00036 | .00177 |
| %RSD   | 90.278 | .76628 | .39211 | 45.554 | 3.0929 | .62749 | 2.8174 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00017 | .00692 | 48.531 | .00048 | .00782 | .05732 | .06423 |
| #2 | .00002 | .00686 | 48.441 | .00033 | .00768 | .05661 | .06091 |
| #3 | .00007 | .00682 | 48.807 | .00081 | .00816 | .05691 | .06365 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .98381 | 6.7583 | .01896 | -.00015 | 266.24 | -.00039 | .20944 |
| Stddev | .00084 | .0676  | .00028 | .00056  | 2.67   | .00040  | .00057 |
| %RSD   | .08572 | 1.0006 | 1.4508 | 369.86  | 1.0027 | 104.31  | .27211 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | .98459 | 6.7650 | .01867 | -.00073 | 267.80 | -.00085 | .21009 |
| #2 | .98391 | 6.6875 | .01900 | -.00010 | 263.16 | -.00011 | .20907 |
| #3 | .98291 | 6.8223 | .01922 | .00038  | 267.77 | -.00020 | .20916 |

|        |        |         |        |         |        |        |         |
|--------|--------|---------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.2543 | -.00019 | .00331 | -.00678 | .81665 | .00266 | -.00468 |
| Stddev | .0357  | .00035  | .00191 | .00965  | .01272 | .00040 | .00183  |
| %RSD   | 2.8449 | 190.58  | 57.556 | 142.41  | 1.5570 | 15.091 | 39.041  |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | 1.2955 | -.00059 | .00280 | -.00033 | .83101 | .00309 | -.00263 |
| #2 | 1.2318 | .00002  | .00172 | -.00213 | .80681 | .00260 | -.00526 |
| #3 | 1.2358 | .00002  | .00542 | -.01787 | .81214 | .00230 | -.00614 |

Sample Name: K1518-10      Acquired: 2/18/2019 21:36:00      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00604 | .0051  | .36956 | 4.1894 | F<.00000 |
| Stddev    | .00176 | .0006  | .00312 | .1785  | 1.1652   |
| %RSD      | 29.216 | 11.35  | .84421 | 4.2595 | 39.817   |
| #1        | .00805 | .0058  | .37314 | 4.3795 | -3.7287  |
| #2        | .00533 | .0050  | .36740 | 4.1633 | -1.5898  |
| #3        | .00473 | .0046  | .36815 | 4.0255 | -3.4603  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3338.8 | 33466. | 3745.0 | 15.019 | 3250.8   |
| Stddev    | 35.7   | 68.    | 65.5   | 1.396  | 20.4     |
| %RSD      | 1.0701 | .20174 | 1.7490 | 9.2972 | .62738   |
| #1        | 3297.7 | 33389. | 3671.3 | 13.437 | 3227.3   |
| #2        | 3362.4 | 33516. | 3796.6 | 16.078 | 3264.5   |
| #3        | 3356.5 | 33493. | 3767.0 | 15.543 | 3260.5   |

Sample Name: K1518-12      Acquired: 2/18/2019 21:40:33      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00125 | -.00230 | .02586 | .00185 | -.00060 | .08760 | .18594 |
| Stddev | .00270 | .00016  | .00082 | .00241 | .00125  | .00626 | .00613 |
| %RSD   | 215.93 | 6.8995  | 3.1769 | 130.23 | 206.99  | 7.1489 | 3.2993 |

|    |         |         |        |        |         |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|
| #1 | .00024  | -.00216 | .02585 | .00020 | -.00110 | .09236 | .18154 |
| #2 | .00430  | -.00226 | .02669 | .00462 | .00082  | .08993 | .19295 |
| #3 | -.00080 | -.00247 | .02504 | .00074 | -.00153 | .08051 | .18333 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00018 | .00288 | 18.097 | .00043 | .01330 | .01173 | .89783 |
| Stddev | .00005 | .00008 | .056   | .00032 | .00010 | .00101 | .00698 |
| %RSD   | 26.932 | 2.6176 | .30885 | 73.027 | .72097 | 8.6294 | .77730 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00013 | .00287 | 18.051 | .00060 | .01320 | .01079 | .90578 |
| #2 | .00023 | .00296 | 18.081 | .00007 | .01339 | .01280 | .89502 |
| #3 | .00017 | .00281 | 18.159 | .00064 | .01331 | .01161 | .89270 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | 1.7281 | 2.1339 | .02399 | .00026 | 288.64 | -.00154 | .06732 |
| Stddev | .0023  | .0698  | .00035 | .00073 | 1.60   | .00002  | .00102 |
| %RSD   | .13134 | 3.2707 | 1.4623 | 278.42 | .55388 | 1.4322  | 1.5208 |

|    |        |        |        |         |        |         |        |
|----|--------|--------|--------|---------|--------|---------|--------|
| #1 | 1.7267 | 2.0711 | .02362 | -.00053 | 288.73 | -.00156 | .06614 |
| #2 | 1.7307 | 2.1216 | .02404 | .00092  | 286.99 | -.00153 | .06796 |
| #3 | 1.7268 | 2.2090 | .02432 | .00039  | 290.19 | -.00152 | .06786 |

|        |        |         |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.9734 | -.00047 | .00398 | .02766 | .55335 | .00219 | -.00431 |
| Stddev | .0229  | .00011  | .00765 | .01308 | .00672 | .00032 | .00439  |
| %RSD   | 1.1593 | 23.737  | 192.09 | 47.270 | 1.2152 | 14.743 | 101.83  |

|    |        |         |         |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|---------|
| #1 | 1.9767 | -.00058 | -.00368 | .03079 | .55916 | .00255 | -.00923 |
| #2 | 1.9945 | -.00047 | .00400  | .01330 | .55490 | .00194 | -.00292 |
| #3 | 1.9491 | -.00035 | .01163  | .03889 | .54598 | .00208 | -.00079 |

Sample Name: K1518-12      Acquired: 2/18/2019 21:40:33      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00858 | .0010  | .07555 | 4.6281 | F<.00000 |
| Stddev    | .00520 | .0004  | .00058 | .3435  | .14880   |
| %RSD      | 60.595 | 37.09  | .76687 | 7.4220 | 11.884   |
| #1        | .00273 | .0009  | .07492 | 4.7803 | -1.3346  |
| #2        | .01035 | .0007  | .07565 | 4.8692 | -1.3415  |
| #3        | .01266 | .0014  | .07607 | 4.2348 | -1.0804  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3221.8 | 33166. | 3724.6 | 15.835 | 3140.2   |
| Stddev    | 14.8   | 121.   | 19.4   | .269   | 26.8     |
| %RSD      | .46041 | .36455 | .51962 | 1.6959 | .85363   |
| #1        | 3232.4 | 33213. | 3704.6 | 15.527 | 3171.2   |
| #2        | 3228.1 | 33028. | 3725.9 | 16.023 | 3126.3   |
| #3        | 3204.8 | 33255. | 3743.2 | 15.955 | 3123.3   |

Sample Name: K1518-14      Acquired: 2/18/2019 21:45:06      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00390 | -.00326 | .02286 | -.00045 | -.00292 | .05111 | .15676 |
| Stddev | .00169  | .00204  | .00094 | .00375  | .00116  | .00595 | .00407 |
| %RSD   | 43.431  | 62.721  | 4.1053 | 842.15  | 39.780  | 11.637 | 2.5937 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00287 | -.00561 | .02389 | .00200  | -.00386 | .04438 | .15818 |
| #2 | -.00298 | -.00188 | .02263 | -.00477 | -.00327 | .05330 | .15993 |
| #3 | -.00586 | -.00229 | .02206 | .00143  | -.00162 | .05565 | .15218 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | .00177 | 89.260 | .00181 | .00122 | .01118 | .01327 |
| Stddev | .00010 | .00007 | .374   | .00005 | .00007 | .00023 | .00119 |
| %RSD   | 249.62 | 4.2413 | .41884 | 2.7082 | 5.7900 | 2.0762 | 8.9760 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00004  | .00181 | 89.404 | .00181 | .00130 | .01119 | .01218 |
| #2 | -.00006 | .00181 | 88.836 | .00176 | .00118 | .01095 | .01454 |
| #3 | .00015  | .00168 | 89.541 | .00186 | .00118 | .01141 | .01310 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25750 | 3.5106 | .00682 | .00042 | 266.89 | .00058 | .11658 |
| Stddev | .00042 | .0223  | .00031 | .00042 | 4.01   | .00057 | .00050 |
| %RSD   | .16324 | .63467 | 4.6088 | 101.10 | 1.5007 | 98.408 | .43313 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25706 | 3.5327 | .00713 | .00021 | 270.21 | .00119 | .11657 |
| #2 | .25755 | 3.5108 | .00684 | .00014 | 262.44 | .00046 | .11608 |
| #3 | .25789 | 3.4882 | .00650 | .00090 | 268.01 | .00007 | .11709 |

|        |        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | 1.1537 | .00031 | .00094 | .91609 | 1.3883 | .00200 | -.01045 |
| Stddev | .0439  | .00021 | .00335 | .04265 | .0121  | .00026 | .00351  |
| %RSD   | 3.8086 | 67.365 | 355.57 | 4.6557 | .87293 | 13.185 | 33.607  |

|    |        |        |         |        |        |        |         |
|----|--------|--------|---------|--------|--------|--------|---------|
| #1 | 1.1045 | .00009 | -.00269 | .94899 | 1.3760 | .00184 | -.01166 |
| #2 | 1.1889 | .00034 | .00161  | .93137 | 1.3888 | .00185 | -.00649 |
| #3 | 1.1677 | .00050 | .00391  | .86790 | 1.4002 | .00230 | -.01320 |

Sample Name: K1518-14      Acquired: 2/18/2019 21:45:06      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01233 | .0350  | .28682 | 5.7049 | F<.00000 |
| Stddev | .00250 | .0020  | .00139 | .1114  | 1.0588   |
| %RSD   | 20.277 | 5.784  | .48384 | 1.9524 | 32.931   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00967 | .0351 | .28548 | 5.7515 | -4.3444 |
| #2 | .01463 | .0330 | .28825 | 5.7853 | -3.0562 |
| #3 | .01270 | .0371 | .28673 | 5.5777 | -2.2448 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3181.5 | 31608. | 3578.9 | 14.293 | 3102.6 |
| Stddev    | 20.1   | 48.    | 16.2   | .179   | 17.7   |
| %RSD      | .63253 | .15206 | .45279 | 1.2521 | .57004 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3204.0 | 31552. | 3567.3 | 14.478 | 3122.1 |
| #2 | 3175.7 | 31635. | 3597.4 | 14.280 | 3098.0 |
| #3 | 3165.0 | 31636. | 3571.9 | 14.121 | 3087.6 |

Sample Name: K1518-16      Acquired: 2/18/2019 21:49:39      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00196 | -.00139 | .02697 | .00149 | -.00117 | .01774 | .24703 |
| Stddev | .00146  | .00103  | .00114 | .00310 | .00017  | .01038 | .00361 |
| %RSD   | 74.345  | 74.062  | 4.2217 | 208.55 | 14.508  | 58.521 | 1.4606 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00249 | -.00212 | .02606 | .00503  | -.00097 | .01930 | .24317 |
| #2 | -.00308 | -.00021 | .02825 | .00017  | -.00128 | .02724 | .25032 |
| #3 | -.00031 | -.00183 | .02660 | -.00074 | -.00125 | .00666 | .24759 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | .00257 | 47.116 | .00087 | .00631 | .02905 | .02472 |
| Stddev | .00011 | .00010 | .248   | .00042 | .00019 | .00020 | .00111 |
| %RSD   | 112.27 | 3.7397 | .52580 | 48.545 | 3.0575 | .68614 | 4.4919 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00023 | .00265 | 46.854 | .00059 | .00629 | .02891 | .02522 |
| #2 | .00004 | .00247 | 47.148 | .00135 | .00650 | .02897 | .02345 |
| #3 | .00003 | .00260 | 47.347 | .00066 | .00612 | .02928 | .02549 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .41508 | 8.5704 | .01218 | .00038 | 259.64 | .00005 | .16994 |
| Stddev | .00073 | .0974  | .00013 | .00015 | 2.30   | .00035 | .00045 |
| %RSD   | .17612 | 1.1368 | 1.0986 | 40.233 | .88679 | 652.38 | .26681 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .41551 | 8.5496 | .01232 | .00035 | 257.03 | -.00005 | .16971 |
| #2 | .41424 | 8.6765 | .01205 | .00055 | 261.39 | .00044  | .16966 |
| #3 | .41549 | 8.4850 | .01218 | .00025 | 260.51 | -.00023 | .17047 |

|        |        |        |        |         |        |        |         |
|--------|--------|--------|--------|---------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | 1.0906 | .00008 | .01107 | -.00591 | .81462 | .00159 | -.00780 |
| Stddev | .0161  | .00033 | .00791 | .00784  | .00268 | .00101 | .00203  |
| %RSD   | 1.4762 | 442.36 | 71.420 | 132.77  | .32844 | 63.239 | 26.020  |

|    |        |         |        |         |        |        |         |
|----|--------|---------|--------|---------|--------|--------|---------|
| #1 | 1.1092 | -.00029 | .00233 | -.01435 | .81219 | .00043 | -.00546 |
| #2 | 1.0799 | .00035  | .01316 | -.00452 | .81419 | .00226 | -.00913 |
| #3 | 1.0828 | .00017  | .01772 | .00115  | .81749 | .00207 | -.00880 |

Sample Name: K1518-16      Acquired: 2/18/2019 21:49:39      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00736 | .0261  | .14011 | 5.3294 | F<.00000 |
| Stddev    | .00107 | .0020  | .00015 | .3795  | 1.0060   |
| %RSD      | 14.509 | 7.543  | .10805 | 7.1213 | 32.672   |
| #1        | .00817 | .0275  | .14003 | 5.6052 | -2.6852  |
| #2        | .00615 | .0269  | .14029 | 4.8966 | -4.2224  |
| #3        | .00776 | .0238  | .14002 | 5.4864 | -2.3296  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3195.2 | 31831. | 3560.9 | 15.542 | 3127.6   |
| Stddev    | 12.6   | 159.   | 11.5   | 1.252  | 4.2      |
| %RSD      | .39501 | .50033 | .32185 | 8.0587 | .13311   |
| #1        | 3200.6 | 31711. | 3567.1 | 16.782 | 3123.1   |
| #2        | 3204.2 | 32012. | 3567.9 | 14.277 | 3128.3   |
| #3        | 3180.7 | 31770. | 3547.7 | 15.566 | 3131.4   |

Sample Name: K1518-18      Acquired: 2/18/2019 21:54:12      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-MH-C02      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |         |
|--------|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00323 | -.00274 | .00388 | -.00029 | -.00265 | .07142 | .20193 | -.00006 |
| Stddev | .00217 | .00087  | .00095 | .00494  | .00115  | .01910 | .00355 | .00003  |
| %RSD   | 67.295 | 31.625  | 24.549 | 1725.4  | 43.314  | 26.738 | 1.7584 | 47.532  |

|    |        |         |        |         |         |        |        |         |
|----|--------|---------|--------|---------|---------|--------|--------|---------|
| #1 | .00560 | -.00370 | .00403 | -.00321 | -.00167 | .05011 | .20575 | -.00003 |
| #2 | .00275 | -.00201 | .00286 | -.00306 | -.00236 | .07717 | .20131 | -.00008 |
| #3 | .00133 | -.00250 | .00474 | .00542  | -.00391 | .08698 | .19873 | -.00006 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00147 | 11.256 | -.00220 | .00275 | .00097 | 18.405 | 2.1362 | 1.9102 |
| Stddev | .00001  | .081   | .00023  | .00017 | .00027 | .069   | .0014  | .0858  |
| %RSD   | .98106  | .72155 | 10.653  | 6.0961 | 28.045 | .37601 | .06500 | 4.4935 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00145 | 11.178 | -.00227 | .00288 | .00078 | 18.374 | 2.1354 | 1.8733 |
| #2 | -.00148 | 11.340 | -.00194 | .00281 | .00085 | 18.485 | 2.1353 | 2.0083 |
| #3 | -.00147 | 11.248 | -.00240 | .00256 | .00128 | 18.357 | 2.1378 | 1.8490 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00374 | .00050 | 261.61 | -.00158 | .01854 | 1.8083 | -.00065 | .00212 |
| Stddev | .00007 | .00068 | .63    | .00019  | .00017 | .0760  | .00021  | .01238 |
| %RSD   | 1.9429 | 137.09 | .24114 | 11.980  | .93144 | 4.2004 | 33.215  | 583.32 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00378 | .00093  | 261.44 | -.00139 | .01868 | 1.8663 | -.00065 | .00837  |
| #2 | .00366 | -.00029 | 262.31 | -.00157 | .01859 | 1.7223 | -.00043 | -.01214 |
| #3 | .00379 | .00086  | 261.09 | -.00177 | .01835 | 1.8364 | -.00086 | .01013  |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.08744 | .54739 | .00169 | -.00846 | .00374 | .0087  | .03891 | 4.8390 |
| Stddev | .00831  | .00764 | .00034 | .00173  | .00195 | .0011  | .00019 | .1716  |
| %RSD   | 9.5027  | 1.3966 | 20.361 | 20.472  | 52.054 | 12.20  | .49868 | 3.5456 |

|    |         |        |        |         |        |       |        |        |
|----|---------|--------|--------|---------|--------|-------|--------|--------|
| #1 | -.08568 | .54170 | .00208 | -.01039 | .00340 | .0090 | .03913 | 4.9592 |
| #2 | -.09649 | .55608 | .00146 | -.00794 | .00199 | .0096 | .03882 | 4.6425 |
| #3 | -.08016 | .54440 | .00151 | -.00704 | .00584 | .0076 | .03877 | 4.9153 |

Sample Name: K1518-18      Acquired: 2/18/2019 21:54:12      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TP-MH-C02      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      25.956  
 Stddev      .470  
 %RSD      1.8110

#1      26.089  
 #2      25.434  
 #3      26.346

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3247.5 | 32490. | 3596.0 | 15.467 | 3173.6 |
| Stddev    | 6.2    | 120.   | 15.9   | .726   | 4.8    |
| %RSD      | .19057 | .36972 | .44283 | 4.6964 | .15260 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3246.1 | 32355. | 3589.1 | 14.716 | 3168.4 |
| #2 | 3242.1 | 32529. | 3584.6 | 16.166 | 3174.5 |
| #3 | 3254.2 | 32585. | 3614.2 | 15.518 | 3178.0 |

Sample Name: K1518-20      Acquired: 2/18/2019 21:58:46      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-C05      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00118 | -.00492 | .00905 | .00055 | -.00125 | .18023 | .20949 | .00020 |
| Stddev | .00146  | .00035  | .00072 | .00185 | .00176  | .00934 | .00521 | .00008 |
| %RSD   | 124.20  | 7.1333  | 7.9557 | 336.37 | 140.42  | 5.1838 | 2.4883 | 38.126 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00003 | -.00494 | .00822 | -.00149 | .00070  | .18467 | .20588 | .00029 |
| #2 | -.00068 | -.00526 | .00951 | .00102  | -.00176 | .18653 | .20712 | .00015 |
| #3 | -.00282 | -.00456 | .00942 | .00212  | -.00270 | .16950 | .21546 | .00017 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00000 | 25.476 | -.00403 | .01525 | .00080 | 7.4654 | 7.0545 | 4.5103 |
| Stddev | .00008 | .034   | .00033  | .00029 | .00031 | .0432  | .0454  | .0976  |
| %RSD   | 2640.1 | .13424 | 8.1211  | 1.9311 | 38.397 | .57883 | .64346 | 2.1631 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00007 | 25.464 | -.00375 | .01518 | .00116 | 7.4169 | 7.0129 | 4.3977 |
| #2 | -.00000 | 25.514 | -.00439 | .01499 | .00064 | 7.4996 | 7.0477 | 4.5623 |
| #3 | .00008  | 25.449 | -.00396 | .01557 | .00062 | 7.4798 | 7.1029 | 4.5707 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02914 | .00154 | 276.66 | -.00745 | .09890 | 1.9776 | -.00084 | .00460 |
| Stddev | .00028 | .00029 | 3.37   | .00032  | .00014 | .0546  | .00007  | .01083 |
| %RSD   | .95617 | 18.512 | 1.2172 | 4.2383  | .13931 | 2.7607 | 8.1160  | 235.38 |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .02914 | .00185 | 272.85 | -.00738 | .09906 | 2.0046 | -.00084 | .00893  |
| #2 | .02886 | .00147 | 277.91 | -.00780 | .09882 | 2.0135 | -.00077 | .01259  |
| #3 | .02941 | .00130 | 279.22 | -.00718 | .09882 | 1.9148 | -.00091 | -.00772 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .15391 | 1.2696 | .00189 | .00025 | .00434 | -.0063 | .07891 | 4.6761 |
| Stddev | .02291 | .0066  | .00123 | .00325 | .00115 | .0010  | .00019 | .1225  |
| %RSD   | 14.888 | .52325 | 65.270 | 1276.9 | 26.504 | 15.39  | .24567 | 2.6206 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .13133 | 1.2621 | .00307 | -.00071 | .00301 | -.0068 | .07913 | 4.5945 |
| #2 | .15326 | 1.2747 | .00197 | .00388  | .00504 | -.0052 | .07876 | 4.6168 |
| #3 | .17714 | 1.2721 | .00062 | -.00240 | .00498 | -.0070 | .07884 | 4.8170 |

Sample Name: K1518-20      Acquired: 2/18/2019 21:58:46      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TP-MH-C05      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      9.3456  
Stddev      .9049  
%RSD      9.6824

#1      9.0159  
#2      8.6518  
#3      10.369

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3282.5 | 32573. | 3644.9 | 15.762 | 3172.4 |
| Stddev    | 18.3   | 101.   | 11.3   | .660   | 15.4   |
| %RSD      | .55895 | .30938 | .30902 | 4.1872 | .48459 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3262.4 | 32679. | 3657.7 | 15.134 | 3154.7 |
| #2 | 3286.7 | 32563. | 3640.6 | 16.450 | 3179.9 |
| #3 | 3298.3 | 32478. | 3636.5 | 15.702 | 3182.5 |

Sample Name: K1518-22      Acquired: 2/18/2019 22:03:26      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00458 | -.00320 | .01809 | -.00140 | -.00174 | .11750 | .18786 | .00026 |
| Stddev | .00634 | .00208  | .00123 | .00209  | .00015  | .01134 | .00790 | .00013 |
| %RSD   | 138.48 | 65.011  | 6.7930 | 148.51  | 8.8455  | 9.6502 | 4.2071 | 50.235 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00163 | -.00318 | .01685 | .00098  | -.00180 | .10770 | .18857 | .00038 |
| #2 | .01105  | -.00530 | .01811 | -.00288 | -.00157 | .12992 | .19539 | .00012 |
| #3 | .00431  | -.00113 | .01931 | -.00232 | -.00187 | .11489 | .17963 | .00028 |

|        |         |        |         |        |        |        |        |        |
|--------|---------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00099 | 5.2048 | -.00047 | .01356 | .00155 | 13.650 | .85168 | .90112 |
| Stddev | .00008  | .0255  | .00004  | .00033 | .00038 | .098   | .00110 | .04260 |
| %RSD   | 7.9417  | .49022 | 8.4731  | 2.4115 | 24.409 | .72015 | .12902 | 4.7280 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | -.00091 | 5.1858 | -.00042 | .01393 | .00135 | 13.759 | .85134 | .92637 |
| #2 | -.00101 | 5.2338 | -.00048 | .01332 | .00198 | 13.567 | .85291 | .85193 |
| #3 | -.00106 | 5.1949 | -.00049 | .01343 | .00131 | 13.624 | .85079 | .92506 |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .04718 | .00059 | 306.35 | -.00016 | .08372 | 1.3042 | -.00024 | .01114 |
| Stddev | .00041 | .00049 | 2.38   | .00031  | .00020 | .0339  | .00050  | .00683 |
| %RSD   | .86966 | 82.559 | .77835 | 198.32  | .24294 | 2.6002 | 211.71  | 61.367 |

|    |        |        |        |         |        |        |         |        |
|----|--------|--------|--------|---------|--------|--------|---------|--------|
| #1 | .04671 | .00115 | 308.49 | .00017  | .08366 | 1.2748 | .00018  | .00844 |
| #2 | .04744 | .00030 | 303.78 | -.00044 | .08395 | 1.2965 | -.00010 | .00606 |
| #3 | .04740 | .00031 | 306.77 | -.00020 | .08355 | 1.3413 | -.00080 | .01891 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.08664 | .51183 | .00089 | -.00588 | .00323 | .0017  | .04426 | 5.2656 |
| Stddev | .01257  | .00605 | .00067 | .00116  | .00122 | .0020  | .00023 | .2920  |
| %RSD   | 14.512  | 1.1812 | 75.719 | 19.717  | 37.637 | 114.9  | .52673 | 5.5446 |

|    |         |        |        |         |        |       |        |        |
|----|---------|--------|--------|---------|--------|-------|--------|--------|
| #1 | -.07401 | .51854 | .00097 | -.00721 | .00197 | .0006 | .04444 | 4.9386 |
| #2 | -.09916 | .50680 | .00018 | -.00538 | .00439 | .0040 | .04433 | 5.3582 |
| #3 | -.08675 | .51015 | .00152 | -.00506 | .00332 | .0005 | .04400 | 5.5000 |

Sample Name: K1518-22      Acquired: 2/18/2019 22:03:26      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CABLE-BRIDGE Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 18.946 |
| Stddev | .835   |
| %RSD   | 4.4077 |

|    |        |
|----|--------|
| #1 | 17.995 |
| #2 | 19.557 |
| #3 | 19.288 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3250.0 | 32138. | 3607.4 | 14.884 | 3157.7 |
| Stddev    | 9.8    | 76.    | 33.8   | .689   | 7.0    |
| %RSD      | .30104 | .23647 | .93670 | 4.6283 | .22093 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3254.4 | 32222. | 3570.1 | 14.486 | 3156.2 |
| #2 | 3256.8 | 32075. | 3636.0 | 14.486 | 3165.4 |
| #3 | 3238.8 | 32115. | 3616.1 | 15.680 | 3151.7 |

Sample Name: CCV10      Acquired: 2/18/2019 22:07:59      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7950      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |        |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0466 | 5.0373 | 5.0780   | 5.0287 | 4.9933 | 9.7580 | 9.2684 | .25816 |
| Stddev | .0368  | .0298  | .0194    | .0158  | .0237  | .0257  | .0301  | .00117 |
| %RSD   | .72956 | .59211 | .38247   | .31508 | .47405 | .26304 | .32494 | .45477 |
| #1     | 5.0579 | 5.0623 | 5.0896   | 5.0364 | 5.0046 | 9.7302 | 9.2366 | .25680 |
| #2     | 5.0055 | 5.0453 | 5.0888   | 5.0104 | 4.9661 | 9.7809 | 9.2721 | .25878 |
| #3     | 5.0765 | 5.0043 | 5.0556   | 5.0391 | 5.0092 | 9.7629 | 9.2965 | .25888 |
| Elem   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6227 | 25.310 | 1.0642   | 2.5701 | 1.2469 | 5.4339 | 2.6116 | 25.754 |
| Stddev | .0111  | .068   | .0018    | .0078  | .0062  | .0004  | .0012  | .074   |
| %RSD   | .42416 | .27037 | .17160   | .30554 | .49868 | .00743 | .04389 | .28836 |
| #1     | 2.6330 | 25.232 | 1.0623   | 2.5763 | 1.2480 | 5.4341 | 2.6105 | 25.836 |
| #2     | 2.6242 | 25.354 | 1.0643   | 2.5726 | 1.2401 | 5.4341 | 2.6115 | 25.735 |
| #3     | 2.6109 | 25.345 | 1.0660   | 2.5612 | 1.2524 | 5.4334 | 2.6128 | 25.691 |
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5639 | 1.2510 | F 22.328 | 2.5071 | 2.5066 | 23.746 | 4.9032 | 4.7771 |
| Stddev | .0088  | .0019  | .066     | .0019  | .0108  | .093   | .0259  | .0282  |
| %RSD   | .34157 | .15478 | .29510   | .07547 | .43029 | .39018 | .52735 | .58945 |
| #1     | 2.5718 | 1.2500 | 22.255   | 2.5053 | 2.5161 | 23.713 | 4.9150 | 4.7583 |
| #2     | 2.5654 | 1.2533 | 22.347   | 2.5068 | 2.5088 | 23.674 | 4.8735 | 4.7636 |
| #3     | 2.5545 | 1.2498 | 22.383   | 2.5091 | 2.4948 | 23.850 | 4.9210 | 4.8095 |
| Elem   | S_1820 | Si2881 | Sn1899   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6964 | 4.7645 | 4.9455   | 4.9185 | 4.5116 | 4.938  | 4.9065 | 4.9816 |
| Stddev | .0347  | .0063  | .0170    | .0235  | .0067  | .007   | .0098  | .1152  |
| %RSD   | .73903 | .13213 | .34465   | .47856 | .14875 | .1490  | .19953 | 2.3123 |
| #1     | 4.6797 | 4.7575 | 4.9580   | 4.8914 | 4.5091 | 4.932  | 4.9016 | 5.0883 |
| #2     | 4.6731 | 4.7666 | 4.9524   | 4.9332 | 4.5065 | 4.946  | 4.9001 | 4.8594 |
| #3     | 4.7363 | 4.7695 | 4.9261   | 4.9309 | 4.5192 | 4.937  | 4.9177 | 4.9970 |

Sample Name: CCV10      Acquired: 2/18/2019 22:07:59      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7950      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.9355 |
| Stddev | .1946    |
| %RSD   | 6.6292   |

|    |        |
|----|--------|
| #1 | 3.0464 |
| #2 | 2.7108 |
| #3 | 3.0493 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3296.1 | 33024. | 3593.5 | 13.665 | 3204.1 |
| Stddev    | 15.2   | 74.    | 6.6    | 1.452  | 15.9   |
| %RSD      | .46015 | .22515 | .18459 | 10.627 | .49548 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3288.4 | 32943. | 3586.5 | 14.409 | 3188.7 |
| #2 | 3313.5 | 33041. | 3594.3 | 11.991 | 3203.2 |
| #3 | 3286.2 | 33089. | 3599.7 | 14.593 | 3220.4 |

Sample Name: CCB10      Acquired: 2/18/2019 22:11:59      Type: Unk  
Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14572      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00050 | -.00004 | .00154 | .00091 | -.00091 | .00235 | .00863 |
| Stddev | .00210 | .00076  | .00085 | .00197 | .00112  | .01266 | .00305 |
| %RSD   | 420.16 | 2033.0  | 55.395 | 216.45 | 123.47  | 539.45 | 35.384 |

|    |         |         |        |         |         |         |        |
|----|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00121  | .00056  | .00166 | -.00130 | -.00067 | -.00688 | .00758 |
| #2 | .00215  | -.00089 | .00063 | .00156  | .00008  | .01679  | .01207 |
| #3 | -.00186 | .00021  | .00233 | .00247  | -.00212 | -.00287 | .00624 |

|        |        |         |        |         |         |         |        |
|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00001 | -.00006 | .00704 | -.00022 | -.00015 | -.00032 | .00459 |
| Stddev | .00008 | .00003  | .02012 | .00007  | .00010  | .00028  | .00146 |
| %RSD   | 679.17 | 42.746  | 285.70 | 30.764  | 63.879  | 87.278  | 31.840 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00003 | -.00003 | -.00116 | -.00014 | -.00004 | -.00047 | .00519 |
| #2 | .00010  | -.00007 | -.00768 | -.00025 | -.00022 | -.00050 | .00566 |
| #3 | -.00004 | -.00007 | .02998  | -.00027 | -.00019 | .00000  | .00293 |

|        |        |        |         |        |         |        |         |
|--------|--------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00002 | .04962 | -.00049 | .00065 | -.01431 | .00082 | -.00065 |
| Stddev | .00006 | .02758 | .00015  | .00038 | .00938  | .00052 | .00004  |
| %RSD   | 340.65 | 55.586 | 30.634  | 58.554 | 65.601  | 63.003 | 5.9885  |

|    |         |        |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|--------|---------|
| #1 | -.00001 | .05586 | -.00035 | .00097 | -.00868 | .00034 | -.00066 |
| #2 | -.00002 | .01945 | -.00065 | .00077 | -.02514 | .00076 | -.00069 |
| #3 | .00008  | .07355 | -.00045 | .00023 | -.00910 | .00137 | -.00061 |

|        |        |        |         |           |        |        |         |
|--------|--------|--------|---------|-----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | .15259 | .00003 | -.00715 | F -.19669 | .00008 | .00084 | -.00802 |
| Stddev | .04255 | .00032 | .01497  | .00543    | .00138 | .00072 | .00253  |
| %RSD   | 27.888 | 1081.0 | 209.45  | 2.7596    | 1681.8 | 85.753 | 31.615  |

|    |        |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|--------|---------|
| #1 | .19887 | .00039  | .00108  | -.20264 | -.00059 | .00012 | -.00926 |
| #2 | .14375 | -.00008 | .00190  | -.19202 | -.00084 | .00157 | -.00510 |
| #3 | .11515 | -.00022 | -.02443 | -.19540 | .00167  | .00085 | -.00968 |

Sample Name: CCB10      Acquired: 2/18/2019 22:11:59      Type: Unk  
 Method: P4-ICP2(v2872)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14572      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00570 | .0002  | .00035 | F 2.3795 | F<.00000 |
| Stddev | .00247  | .0014  | .00011 | .2254    | .22581   |
| %RSD   | 43.308  | 926.3  | 32.824 | 9.4739   | 46.688   |

|    |         |        |        |        |         |
|----|---------|--------|--------|--------|---------|
| #1 | -.00715 | .0017  | .00045 | 2.6126 | -.23860 |
| #2 | -.00285 | -.0000 | .00038 | 2.3633 | -.68332 |
| #3 | -.00712 | -.0012 | .00022 | 2.1626 | -.52902 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3440.3 | 34925. | 3623.6 | 16.211 | 3623.4 |
| Stddev    | 9.6    | 60.    | 12.9   | 1.683  | 23.9   |
| %RSD      | .27800 | .17135 | .35583 | 10.382 | .65943 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3436.6 | 34894. | 3608.8 | 18.091 | 3650.0 |
| #2 | 3433.2 | 34887. | 3632.1 | 14.845 | 3603.7 |
| #3 | 3451.2 | 34994. | 3629.9 | 15.695 | 3616.5 |