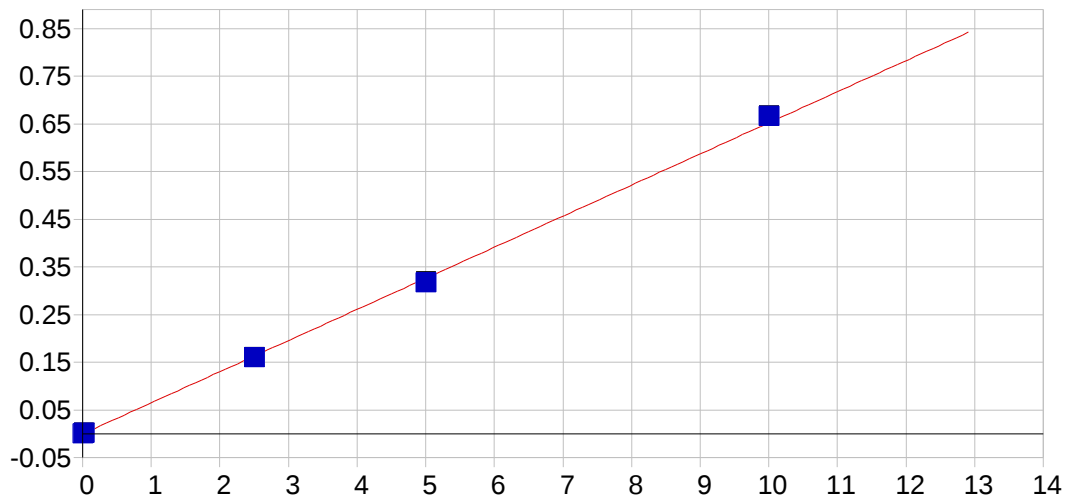


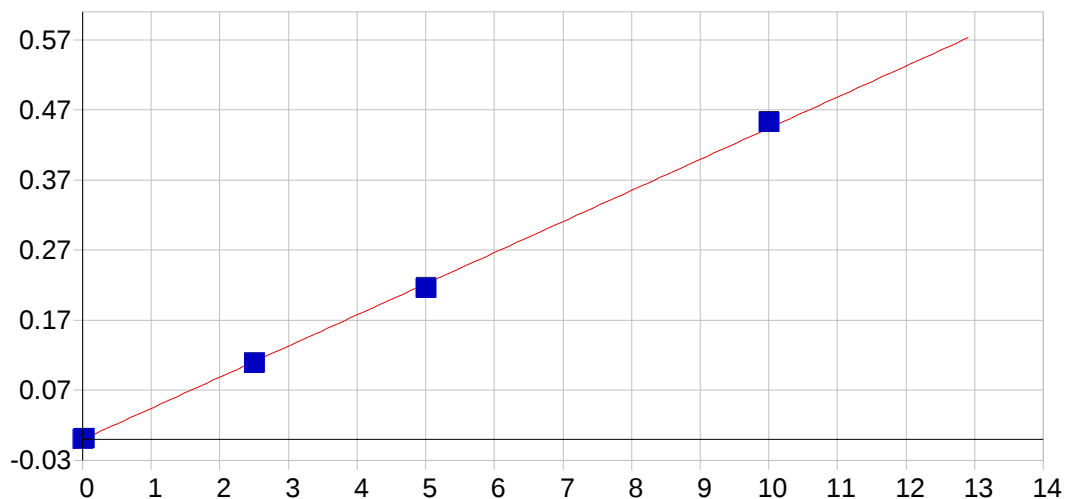


As 189.042 {478}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000328 Re-Slope: 1.000000  
 A1 (Gain): 0.065260 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999717 Status: OK.  
 Std Error of Est: 0.000037  
 Predicted MDL: 0.002654  
 Predicted MQL: 0.008848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00033 | .000    | 1        |
| S1        | .02000       | .01732      | -.003      | -13.4   | .00080  | .000    | 1        |
| S3        | 2.5000       | 2.4460      | -.054      | -2.16   | .15929  | .000    | 1        |
| S4        | 5.0000       | 4.8538      | -.146      | -2.92   | .31641  | .002    | 1        |
| S5        | 10.000       | 10.203      | .203       | 2.03    | .66547  | .001    | 1        |



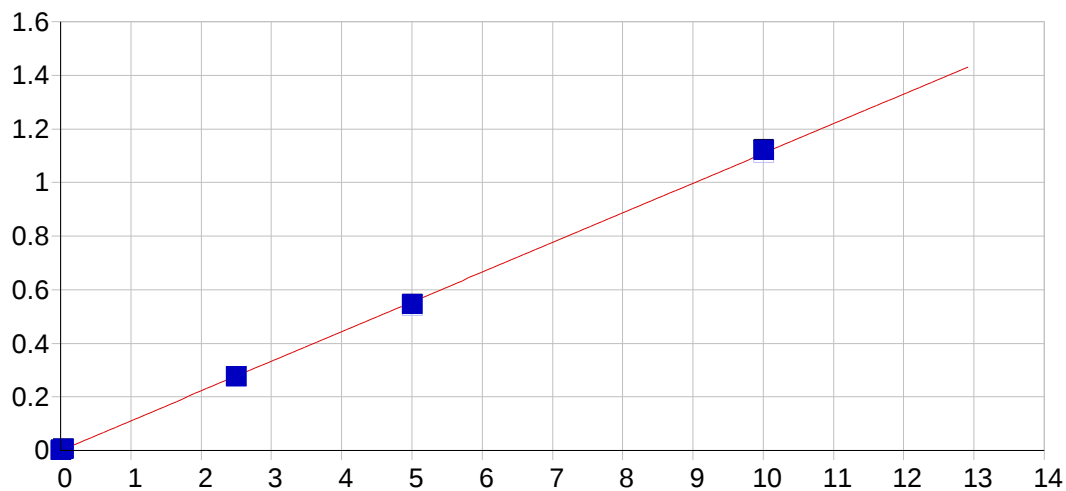
As 189.042 {479}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000016 Re-Slope: 1.000000

A1 (Gain): 0.044393 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999751 Status: OK.  
 Std Error of Est: 0.000024  
 Predicted MDL: 0.002476  
 Predicted MQL: 0.008252

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00002 | .000    | 1        |
| S1        | .02000       | .02152      | .002       | 7.58    | .00097 | .000    | 1        |
| S3        | 2.5000       | 2.4476      | -.052      | -2.10   | .10867 | .000    | 1        |
| S4        | 5.0000       | 4.8605      | -.140      | -2.79   | .21579 | .000    | 1        |
| S5        | 10.000       | 10.190      | .190       | 1.90    | .45240 | .000    | 1        |

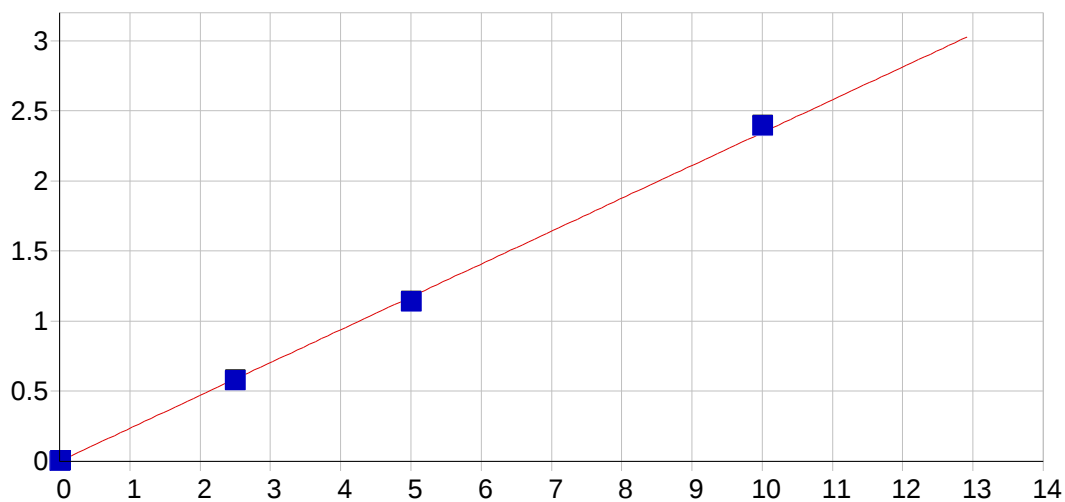


TI 190.856 {477}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000146 Re-Slope: 1.000000  
 A1 (Gain): 0.110811 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999905 Status: OK.  
 Std Error of Est: 0.000052  
 Predicted MDL: 0.001177  
 Predicted MQL: 0.003923

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00015 | .000    | 1        |
| S1        | .04000       | .04199      | .002       | 4.98    | .00468 | .000    | 1        |
| S3        | 2.5000       | 2.4803      | -.020      | -.786   | .27216 | .000    | 1        |
| S4        | 5.0000       | 4.9063      | -.094      | -1.87   | .53813 | .001    | 1        |
| S5        | 10.000       | 10.111      | .111       | 1.11    | 1.1092 | .002    | 1        |

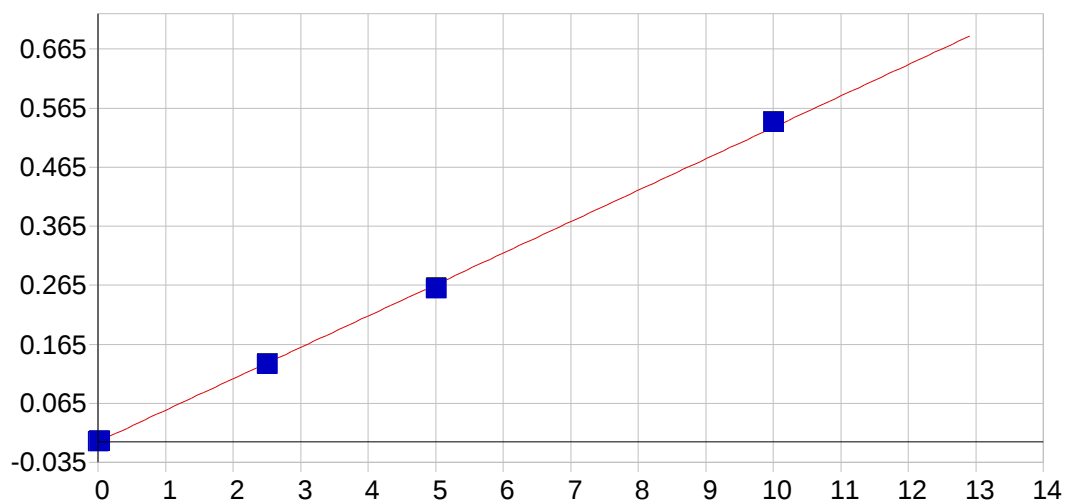


Pb 220.353 {453}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001919 Re-Slope: 1.000000  
 A1 (Gain): 0.234268 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999727 Status: OK.  
 Std Error of Est: 0.000102  
 Predicted MDL: 0.000951  
 Predicted MQL: 0.003169

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00192 | .000    | 1        |
| S1        | .01200       | .01364      | .002       | 13.7    | .00506 | .000    | 1        |
| S3        | 2.5000       | 2.4511      | -.049      | -1.95   | .57535 | .002    | 1        |
| S4        | 5.0000       | 4.8504      | -.150      | -2.99   | 1.1366 | .001    | 1        |
| S5        | 10.000       | 10.197      | .197       | 1.97    | 2.3875 | .005    | 1        |



Se 196.090 {472}

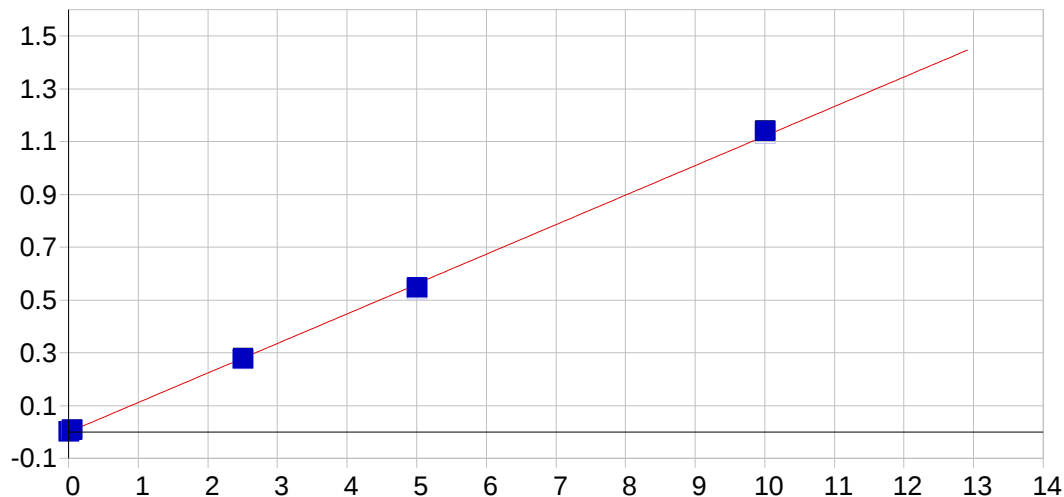
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000068 Re-Slope: 1.000000  
 A1 (Gain): 0.053222 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999807  
 Std Error of Est: 0.000025  
 Predicted MDL: 0.002883  
 Predicted MQL: 0.009610

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00007 | .000    | 1        |
| S1        | .02000       | .01950      | -.000      | -2.48   | .00097  | .000    | 1        |
| S3        | 2.5000       | 2.4637      | -.036      | -1.45   | .13102  | .001    | 1        |
| S4        | 5.0000       | 4.8693      | -.131      | -2.61   | .25903  | .001    | 1        |
| S5        | 10.000       | 10.168      | .168       | 1.68    | .54095  | .000    | 1        |



Sb 206.833 {463}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

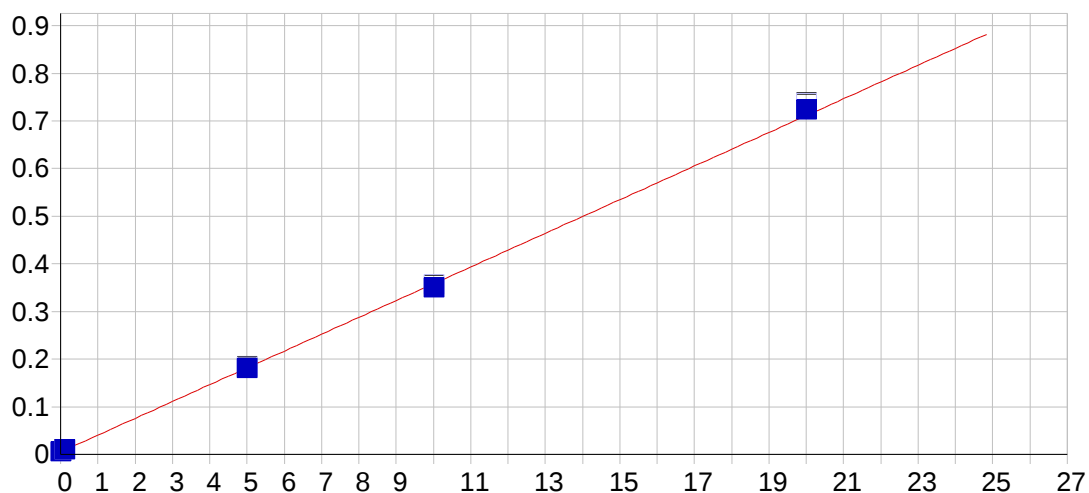
Weighting: 1/Conc

A0 (Offset): 0.000018  
 A1 (Gain): 0.112056  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999785  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.001748  
 Predicted MQL: 0.005827

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        | .05000       | .05414      | .004       | 8.28    | .00595 | .000    | 1        |
| S3        | 2.5000       | 2.4678      | -.032      | -1.29   | .27340 | .001    | 1        |
| S4        | 5.0000       | 4.8614      | -.139      | -2.77   | .53846 | .001    | 1        |
| S5        | 10.000       | 10.167      | .167       | 1.67    | 1.1267 | .001    | 1        |

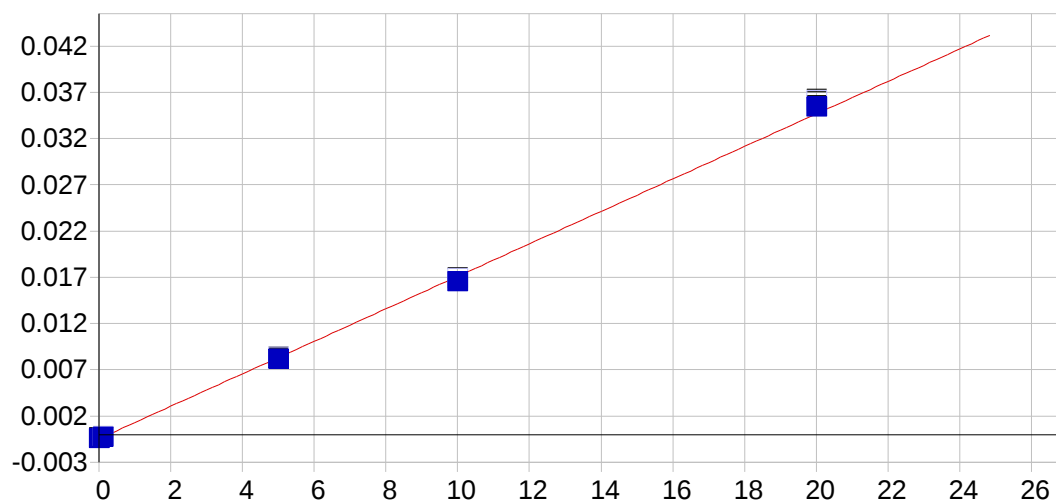


AI 308.215 {109}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.005112 Re-Slope: 1.000000  
 A1 (Gain): 0.035303 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999798 Status: OK.  
 Std Error of Est: 0.000055  
 Predicted MDL: 0.002617  
 Predicted MQL: 0.008722

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00511 | .000    | 1        |
| S1        | .10000       | .11322      | .013       | 13.2    | .00935 | .000    | 1        |
| S3        | 5.0000       | 4.9368      | -.063      | -1.26   | .18291 | .001    | 1        |
| S4        | 10.000       | 9.7324      | -.268      | -2.68   | .35573 | .001    | 1        |
| S5        | 20.000       | 20.317      | .317       | 1.58    | .73642 | .001    | 1        |



AI 309.271 {109}

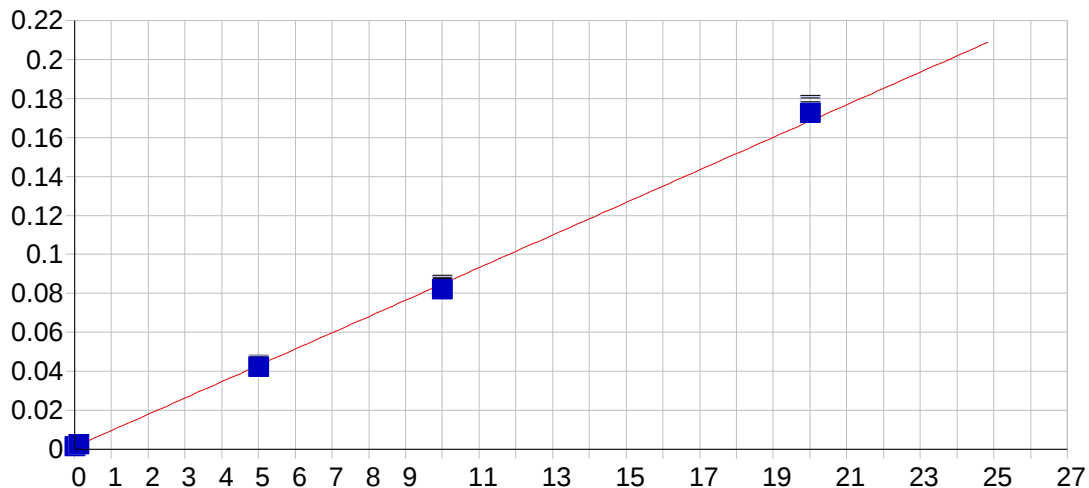
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000457 Re-Slope: 1.000000  
 A1 (Gain): 0.001756 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999699  
 Std Error of Est: 0.000003  
 Predicted MDL: 0.033047  
 Predicted MQL: 0.110157

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00046 | .000    | 1        |
| S1        | .10000       | .10403      | .004       | 4.03    | -.00026 | .000    | 1        |
| S3        | 5.0000       | 4.8987      | -.101      | -2.03   | .00832  | .000    | 1        |
| S4        | 10.000       | 9.6719      | -.328      | -3.28   | .01687  | .000    | 1        |
| S5        | 20.000       | 20.425      | .425       | 2.13    | .03610  | .000    | 1        |



Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

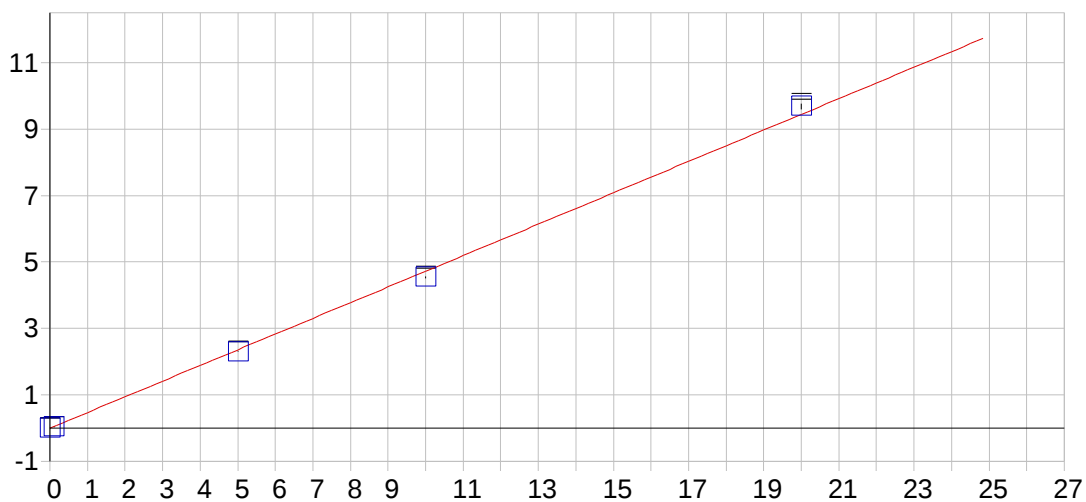
Weighting: 1/Conc

A0 (Offset): 0.001249  
 A1 (Gain): 0.008358  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999609  
 Std Error of Est: 0.000018  
 Predicted MDL: 0.012105  
 Predicted MQL: 0.040349

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    | .00125 | .000    | 1        |
| S1        | .10000       | .10815      | .008       | 8.15    | .00221 | .000    | 1        |
| S3        | 5.0000       | 4.8792      | -.121      | -2.42   | .04286 | .000    | 1        |
| S4        | 10.000       | 9.6324      | -.368      | -3.68   | .08342 | .001    | 1        |
| S5        | 20.000       | 20.480      | .480       | 2.40    | .17575 | .001    | 1        |

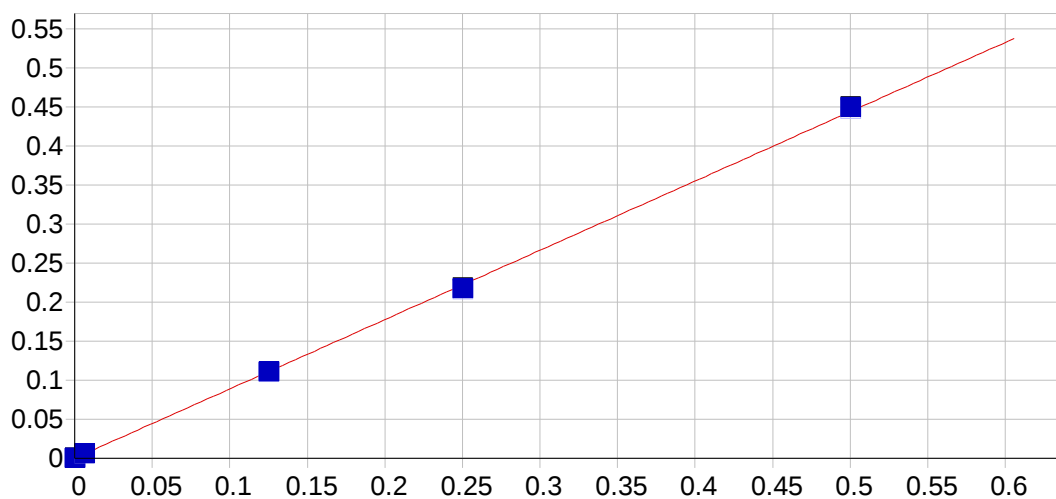


Ba 493.409 { 68}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001580 Re-Slope: 1.000000  
 A1 (Gain): 0.472203 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999569 Status: OK.  
 Std Error of Est: 0.001060  
 Predicted MDL: 0.000504  
 Predicted MQL: 0.001680

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00158 | .000    | 1        |
| S1        | .10000       | .10212      | .002       | 2.12    | .04664  | .001    | 1        |
| S3        | 5.0000       | 4.8794      | -.121      | -2.41   | 2.3025  | .011    | 1        |
| S5        | 20.000       | 20.502      | .502       | 2.51    | 9.6794  | .085    | 1        |
| S4        | 10.000       | 9.6166      | -.383      | -3.83   | 4.5394  | .035    | 1        |



Be 234.861 {144}

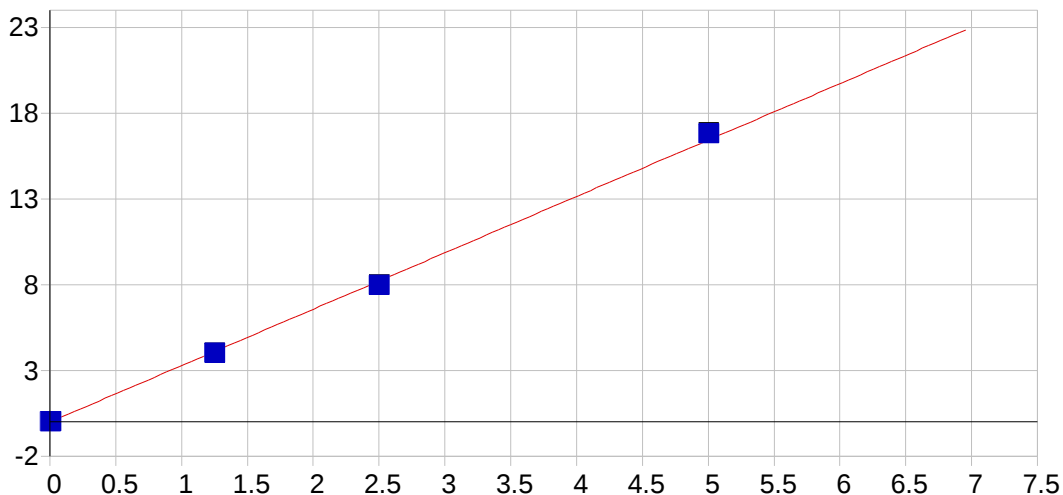
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000113 Re-Slope: 1.000000  
 A1 (Gain): 0.888019 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999885  
 Std Error of Est: 0.000040  
 Predicted MDL: 0.000067  
 Predicted MQL: 0.000223

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00011 | .000    | 1        |
| S1        | .00600       | .00617      | .000       | 2.81    | .00554 | .000    | 1        |
| S3        | .12500       | .12423      | -.001      | -.616   | .10973 | .001    | 1        |
| S4        | .25000       | .24457      | -.005      | -2.17   | .21590 | .001    | 1        |
| S5        | .50000       | .50603      | .006       | 1.21    | .44668 | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

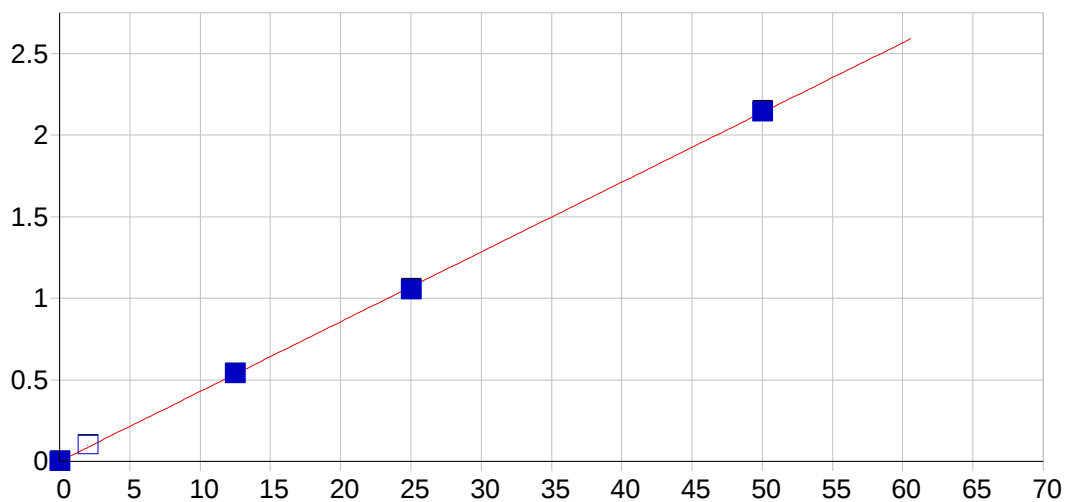
Weighting: 1/Conc

A0 (Offset): -0.000875  
 A1 (Gain): 3.286994  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999672  
 Std Error of Est: 0.000787  
 Predicted MDL: 0.000076  
 Predicted MQL: 0.000253

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    | -.00087 | .000    | 1        |
| S1        | .00600       | .00595      | -.000      | -.853   | .01872  | .000    | 1        |
| S3        | 1.2500       | 1.2139      | -.036      | -2.88   | 3.9903  | .005    | 1        |
| S4        | 2.5000       | 2.4252      | -.075      | -2.99   | 7.9725  | .008    | 1        |
| S5        | 5.0000       | 5.1109      | .111       | 2.22    | 16.803  | .031    | 1        |

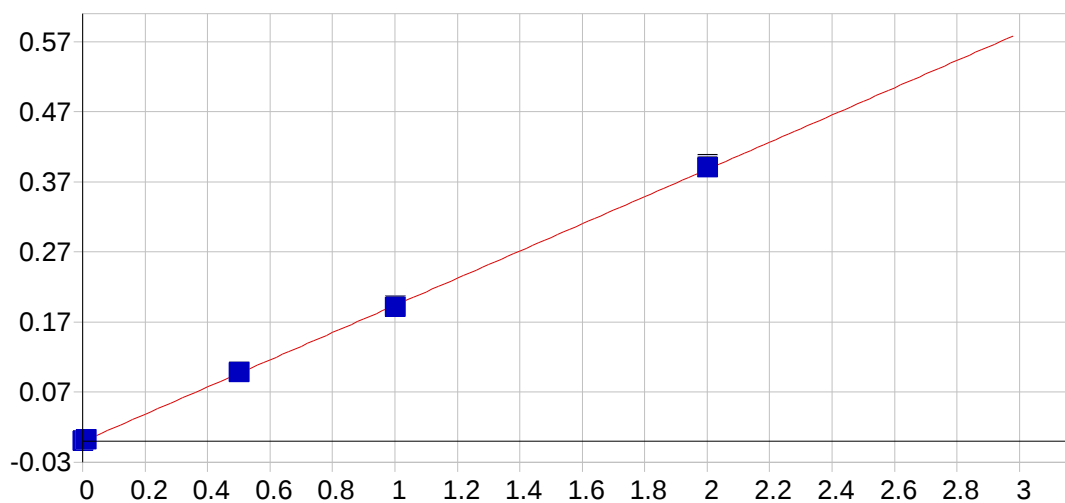


Ca 373.690 { 90}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000738 Re-Slope: 1.000000  
 A1 (Gain): 0.042761 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999639 Status: OK.  
 Std Error of Est: 0.000628  
 Predicted MDL: 0.016629  
 Predicted MQL: 0.055430

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.3325      | .332       | 16.6    | .10048 | .001    | 1        |
| S0        | .00000       | -.00031     | -.000      | .000    | .00072 | .001    | 1        |
| S3        | 12.500       | 12.595      | .095       | .763    | .53961 | .002    | 1        |
| S4        | 25.000       | 24.534      | -.466      | -1.86   | 1.0504 | .007    | 1        |
| S5        | 50.000       | 50.038      | .038       | .077    | 2.1415 | .007    | 1        |



Cr 267.716 {126}

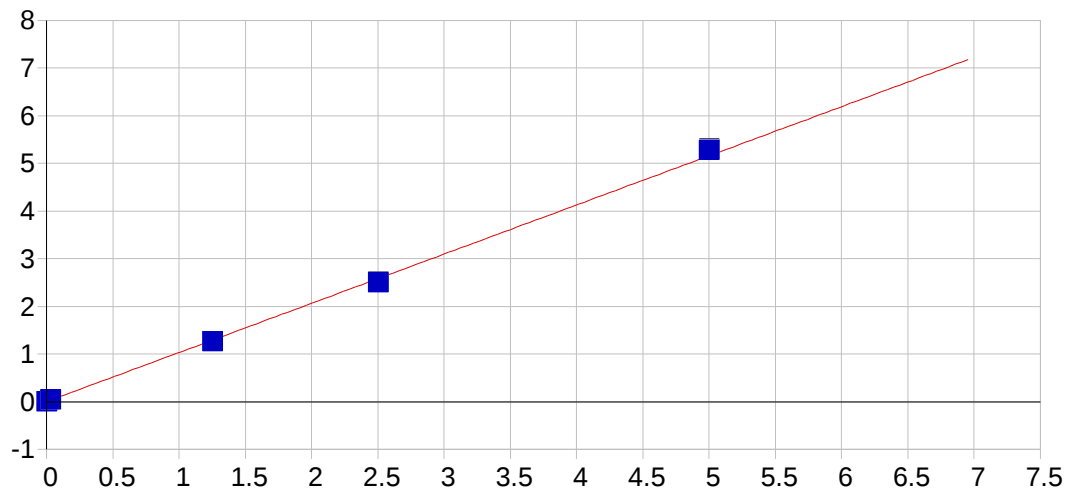
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000158 Re-Slope: 1.000000  
 A1 (Gain): 0.194032 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.000427  
 Predicted MQL: 0.001424

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       | .01058      | .001       | 5.81    | .00191  | .000    | 1        |
| S3        | .50000       | .50440      | .004       | .879    | .09847  | .000    | 1        |
| S4        | 1.0000       | .98630      | -.014      | -1.37   | .19274  | .000    | 1        |
| S5        | 2.0000       | 2.0087      | .009       | .436    | .39265  | .002    | 1        |



Co 228.616 {447}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

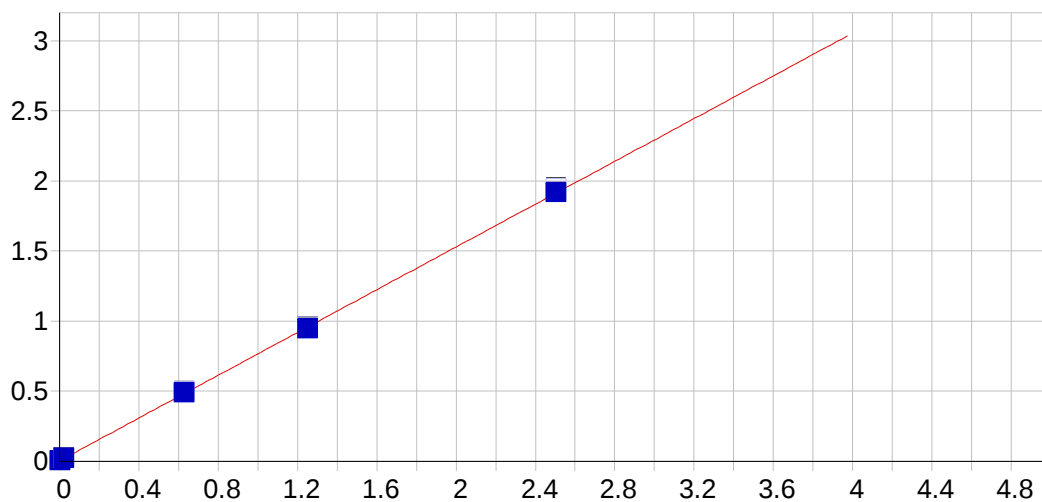
Weighting: 1/Conc

A0 (Offset): -0.000264  
 A1 (Gain): 1.032196  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999648  
 Std Error of Est: 0.000574  
 Predicted MDL: 0.000208  
 Predicted MQL: 0.000694

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00026 | .000    | 1        |
| S1        | .03000       | .02907      | -.001      | -3.11   | .02953  | .000    | 1        |
| S3        | 1.2500       | 1.2156      | -.034      | -2.75   | 1.2555  | .002    | 1        |
| S4        | 2.5000       | 2.4200      | -.080      | -3.20   | 2.4997  | .008    | 1        |
| S5        | 5.0000       | 5.1153      | .115       | 2.31    | 5.2837  | .013    | 1        |

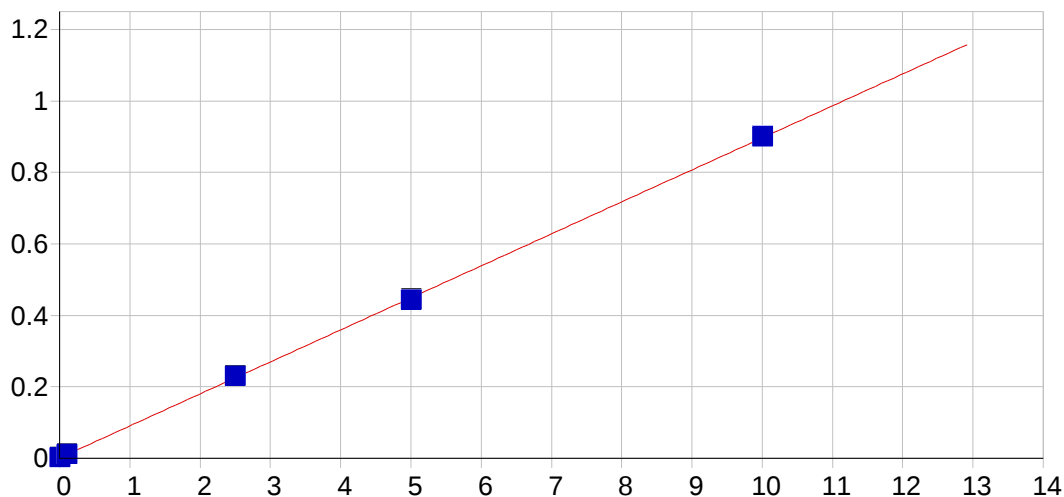


Cu 224.700 {450}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004082 Re-Slope: 1.000000  
 A1 (Gain): 0.762739 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999930 Status: OK.  
 Std Error of Est: 0.000111  
 Predicted MDL: 0.000376  
 Predicted MQL: 0.001253

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00408 | .000    | 1        |
| S1        | .02000       | .02163      | .002       | 8.13    | .02081 | .000    | 1        |
| S3        | .62500       | .63649      | .011       | 1.84    | .49726 | .000    | 1        |
| S4        | 1.2500       | 1.2313      | -.019      | -1.50   | .95862 | .001    | 1        |
| S5        | 2.5000       | 2.5056      | .006       | .225    | 1.9460 | .003    | 1        |



Fe 240.488 {140}

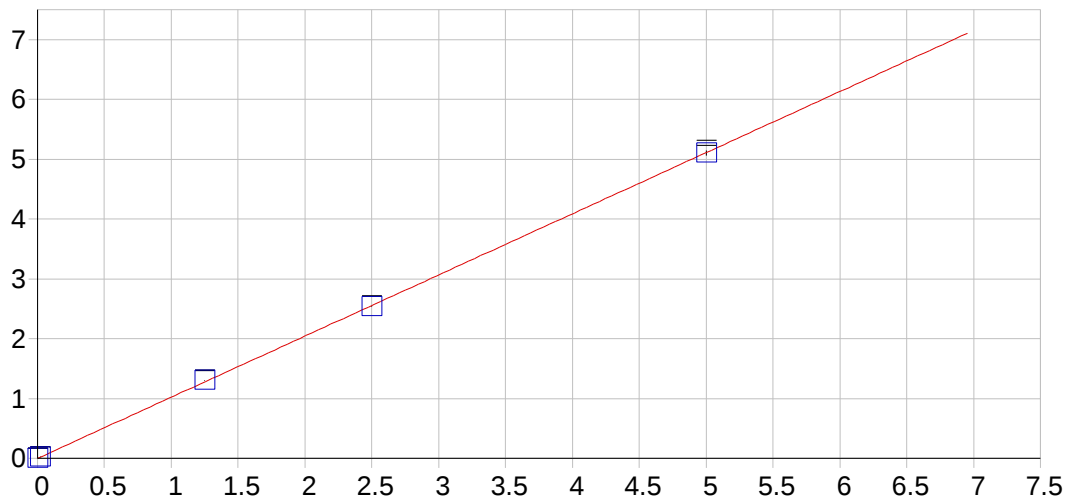
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001054 Re-Slope: 1.000000  
 A1 (Gain): 0.089561 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999935  
 Std Error of Est: 0.000055  
 Predicted MDL: 0.000695  
 Predicted MQL: 0.002317

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00105 | .000    | 1        |
| S1        | .10000       | .10732      | .007       | 7.32    | .01071 | .000    | 1        |
| S3        | 2.5000       | 2.5403      | .040       | 1.61    | .22940 | .001    | 1        |
| S4        | 5.0000       | 4.9276      | -.072      | -1.45   | .44405 | .001    | 1        |
| S5        | 10.000       | 10.025      | .025       | .248    | .90223 | .001    | 1        |



Mn 257.610 {131}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

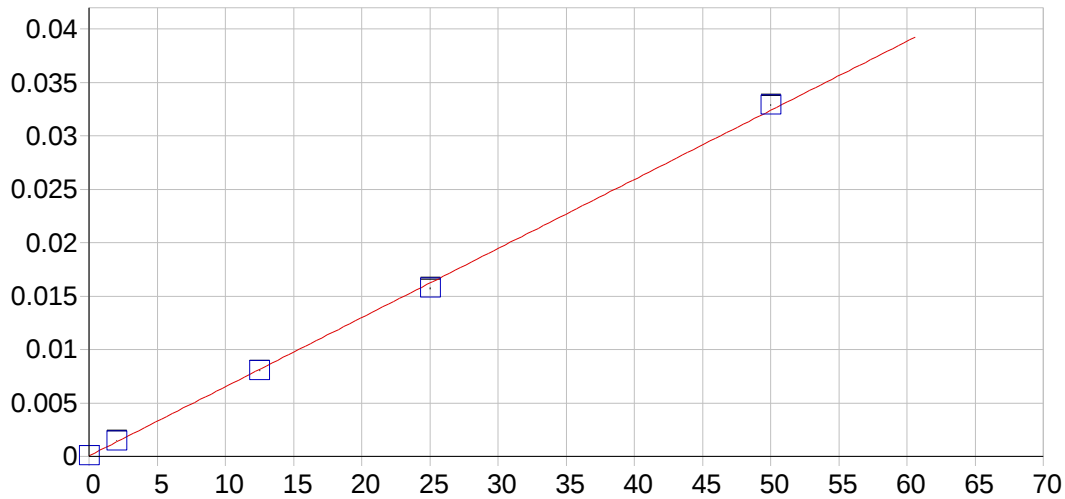
Weighting: 1/Conc

A0 (Offset): 0.000269  
 A1 (Gain): 1.021935  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999958  
 Std Error of Est: 0.000159  
 Predicted MDL: 0.000068  
 Predicted MQL: 0.000228

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        | .02000       | .02205      | .002       | 10.2    | .02280 | .000    | 1        |
| S3        | 1.2500       | 1.2722      | .022       | 1.78    | 1.3004 | .005    | 1        |
| S4        | 2.5000       | 2.4831      | -.017      | -.675   | 2.5379 | .007    | 1        |
| S5        | 5.0000       | 4.9926      | -.007      | -.147   | 5.1024 | .041    | 1        |

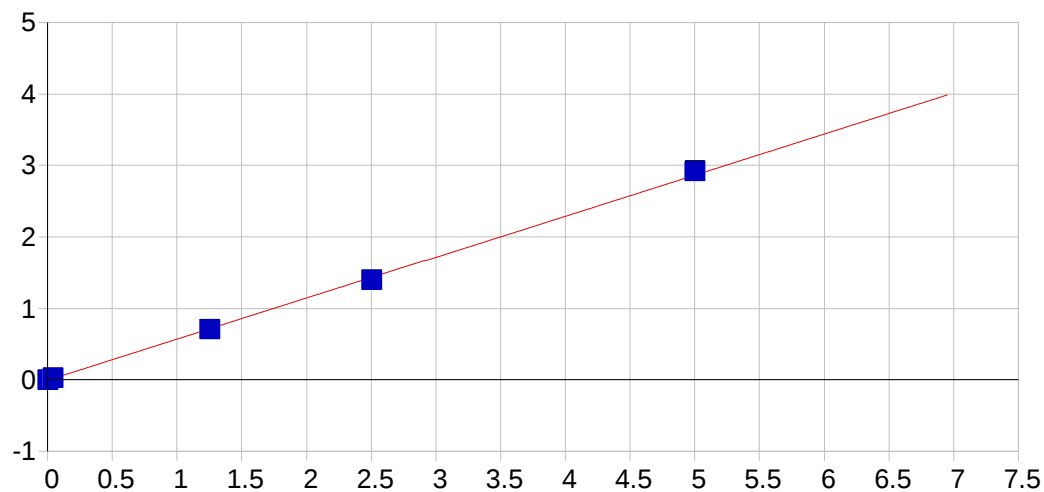


Mg 279.079 {121}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000053 Re-Slope: 1.000000  
 A1 (Gain): 0.000647 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999723 Status: OK.  
 Std Error of Est: 0.000008  
 Predicted MDL: 0.045723  
 Predicted MQL: 0.152412

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1553      | .155       | 7.76    | .00145 | .000    | 1        |
| S0        | .00000       | -.00010     | -.000      | .000    | .00005 | .000    | 1        |
| S3        | 12.500       | 12.319      | -.181      | -1.45   | .00802 | .000    | 1        |
| S4        | 25.000       | 24.246      | -.754      | -3.02   | .01573 | .000    | 1        |
| S5        | 50.000       | 50.780      | .780       | 1.56    | .03290 | .000    | 1        |



Ni 231.604 {445}

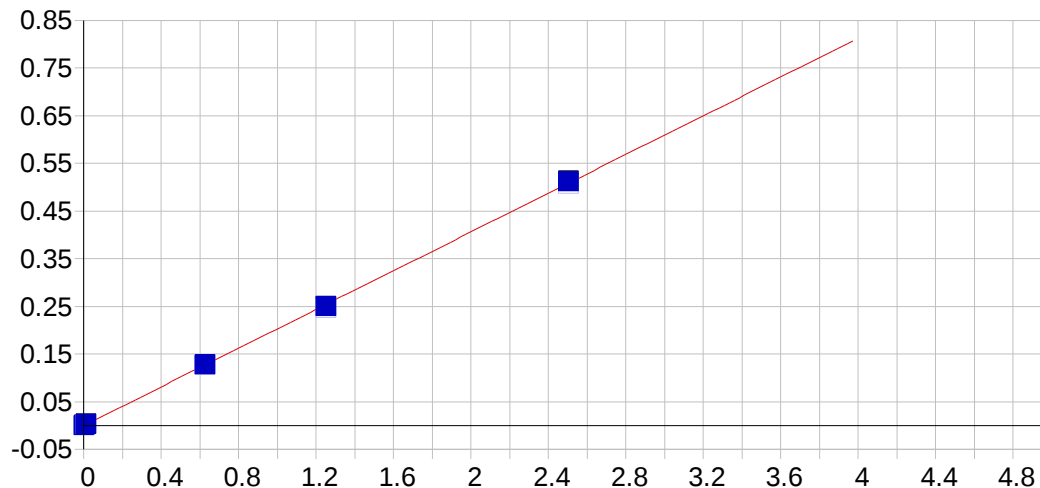
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005785 Re-Slope: 1.000000  
 A1 (Gain): 0.574100 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999798  
 Std Error of Est: 0.000280  
 Predicted MDL: 0.000384  
 Predicted MQL: 0.001279

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00578 | .000    | 1        |
| S1        | .04000       | .04003      | .000       | .085    | .01721  | .000    | 1        |
| S3        | 1.2500       | 1.2351      | -.015      | -1.19   | .70406  | .001    | 1        |
| S4        | 2.5000       | 2.4302      | -.070      | -2.79   | 1.3910  | .002    | 1        |
| S5        | 5.0000       | 5.0847      | .085       | 1.69    | 2.9165  | .006    | 1        |



Ag 328.068 {103}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

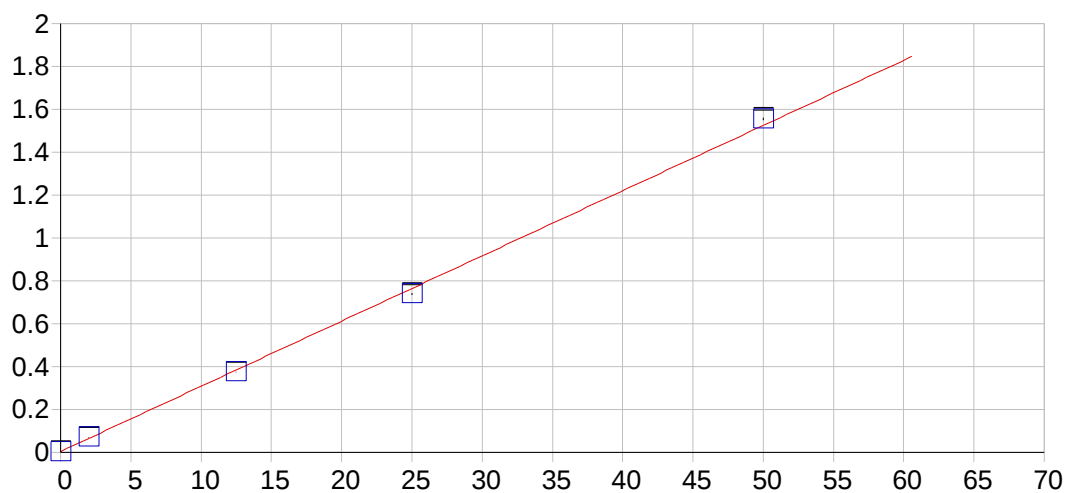
Weighting: 1/Conc

A0 (Offset): -0.000405  
 A1 (Gain): 0.203296  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999916  
 Std Error of Est: 0.000022  
 Predicted MDL: 0.000609  
 Predicted MQL: 0.002031

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    | -.00040 | .000    | 1        |
| S1        | .01000       | .01098      | .001       | 9.79    | .00179  | .000    | 1        |
| S3        | .62500       | .62704      | .002       | .326    | .12562  | .000    | 1        |
| S4        | 1.2500       | 1.2264      | -.024      | -1.89   | .24603  | .001    | 1        |
| S5        | 2.5000       | 2.5206      | .021       | .823    | .50623  | .001    | 1        |

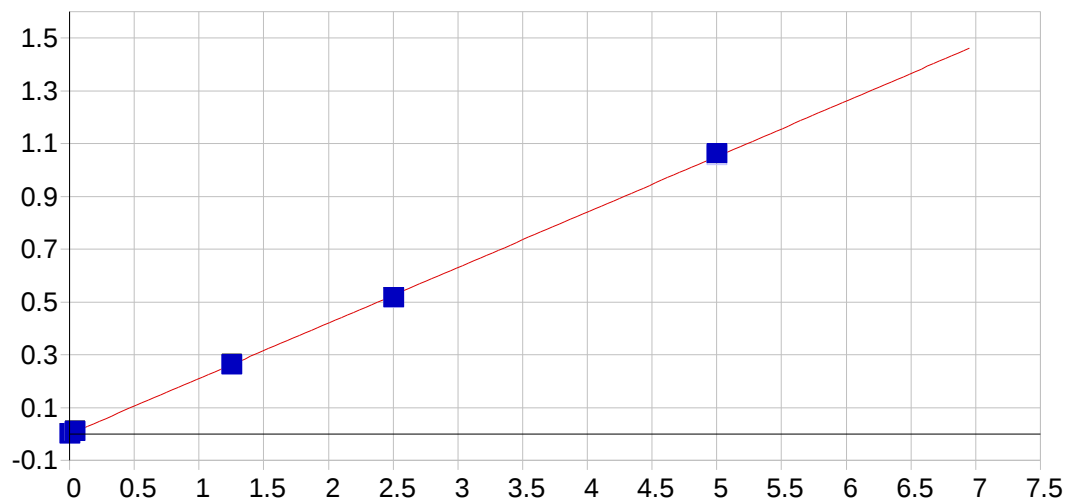


Na 589.592 { 57}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004461 Re-Slope: 1.000000  
 A1 (Gain): 0.030404 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999623 Status: OK.  
 Std Error of Est: 0.000456  
 Predicted MDL: 0.008706  
 Predicted MQL: 0.029021

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1653      | .165       | 8.27    | .07030 | .000    | 1        |
| S0        | .00000       | -.00009     | -.000      | .000    | .00446 | .000    | 1        |
| S3        | 12.500       | 12.200      | -.300      | -2.40   | .37539 | .001    | 1        |
| S4        | 25.000       | 24.165      | -.835      | -3.34   | .73918 | .005    | 1        |
| S5        | 50.000       | 50.970      | .970       | 1.94    | 1.5542 | .006    | 1        |



V 292.402 {115}

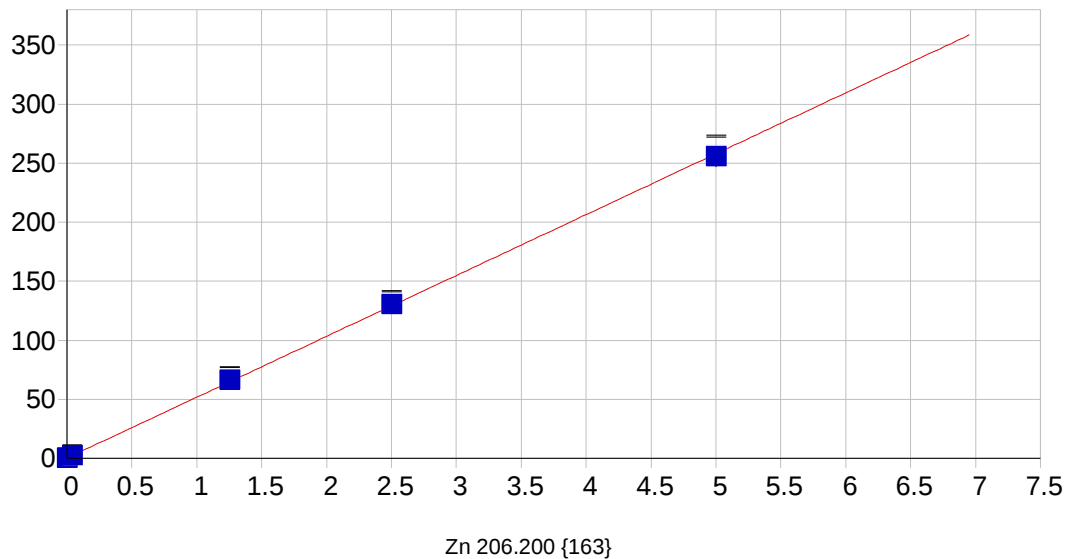
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000158 Re-Slope: 1.000000  
 A1 (Gain): 0.210190 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999926  
 Std Error of Est: 0.000062  
 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        | .04000       | .04078      | .001       | 1.96    | .00828  | .000    | 1        |
| S3        | 1.2500       | 1.2474      | -.003      | -.206   | .26032  | .001    | 1        |
| S4        | 2.5000       | 2.4546      | -.045      | -1.81   | .51235  | .001    | 1        |
| S5        | 5.0000       | 5.0472      | .047       | .943    | 1.0538  | .001    | 1        |

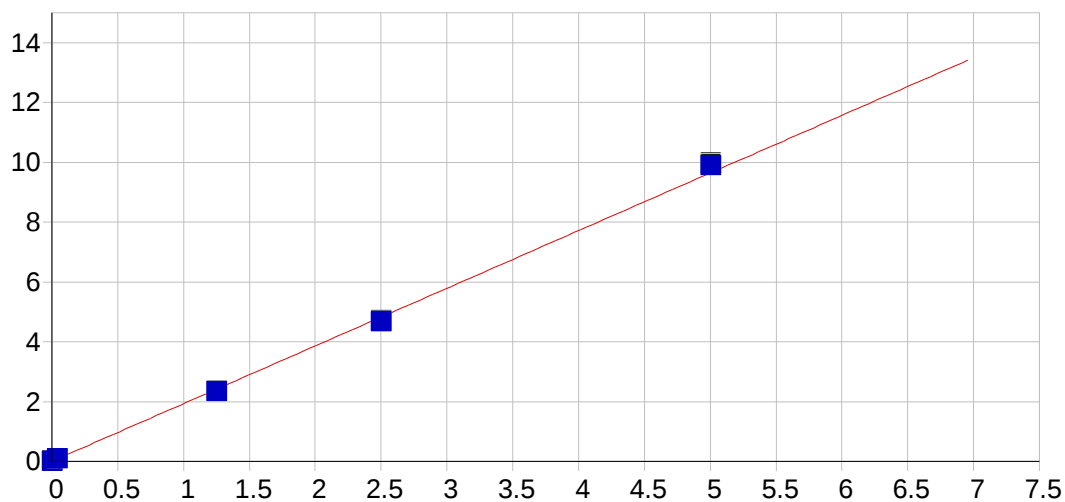


Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.177774 Re-Slope: 1.000000  
 A1 (Gain): 51.558773 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999900  
 Std Error of Est: 0.017775  
 Predicted MDL: 0.000384  
 Predicted MQL: 0.001281

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .17758 | .009    | 1        |
| S1        | .04000       | .04295      | .003       | 7.38    | 2.4059 | .039    | 1        |
| S3        | 1.2500       | 1.2797      | .030       | 2.38    | 66.549 | 2.37    | 1        |
| S4        | 2.5000       | 2.5237      | .024       | .946    | 131.07 | 2.06    | 1        |
| S5        | 5.0000       | 4.9437      | -.056      | -1.13   | 256.63 | 8.19    | 1        |

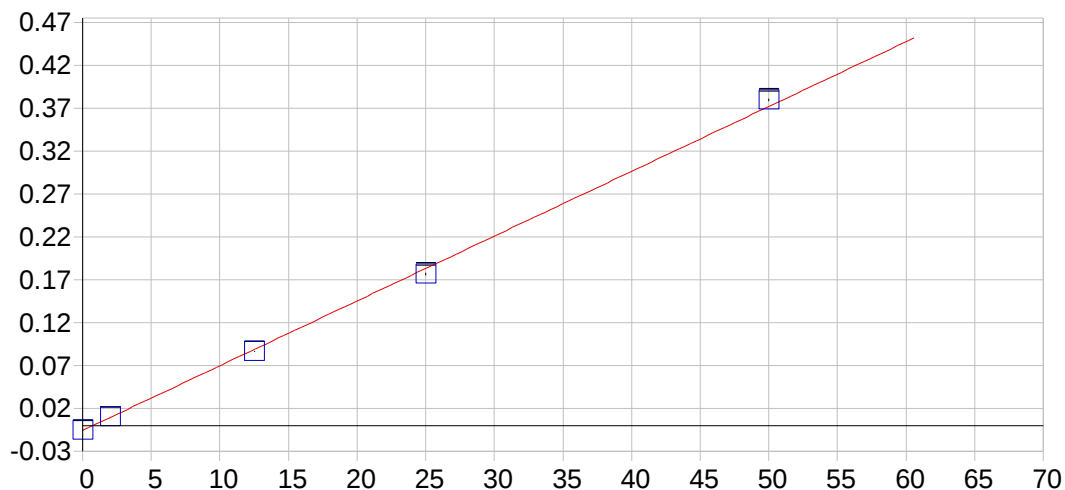


Zn 213.856 {458}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004057 Re-Slope: 1.000000  
 A1 (Gain): 1.927692 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999549 Status: OK.  
 Std Error of Est: 0.001409  
 Predicted MDL: 0.000092  
 Predicted MQL: 0.000308

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00406 | .000    | 1        |
| S1        | .04000       | .03841      | -.002      | -3.98   | .07864 | .000    | 1        |
| S3        | 1.2500       | 1.2037      | -.046      | -3.71   | 2.3397 | .001    | 1        |
| S4        | 2.5000       | 2.4165      | -.084      | -3.34   | 4.6931 | .004    | 1        |
| S5        | 5.0000       | 5.1314      | .131       | 2.63    | 9.9574 | .018    | 1        |



K 766.490 {44}

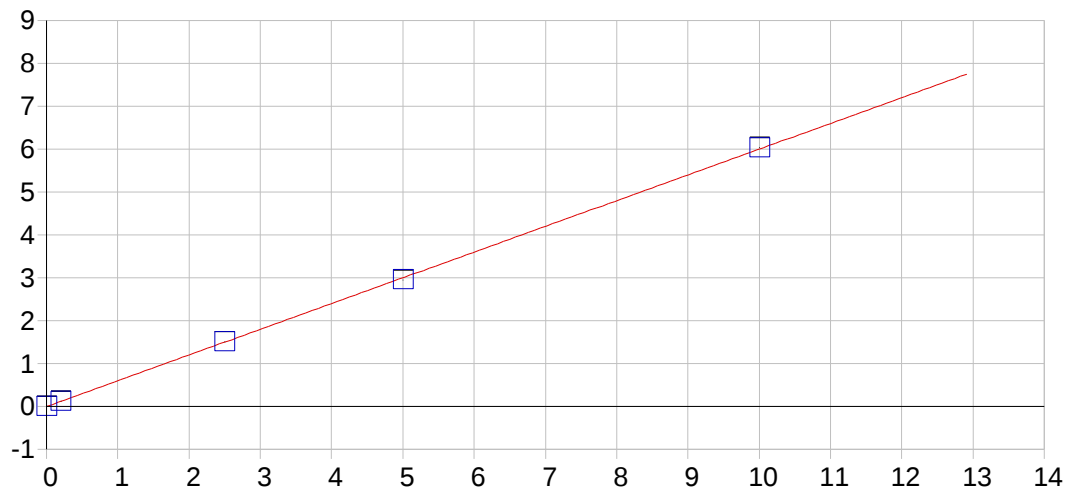
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005755 Re-Slope: 1.000000  
 A1 (Gain): 0.007552 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999637  
 Std Error of Est: 0.000111  
 Predicted MDL: 0.039909  
 Predicted MQL: 0.133029

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1144      | .114       | 5.72    | .01021  | .000    | 1        |
| S0        | .00000       | -.00004     | -.000      | .000    | -.00576 | .000    | 1        |
| S3        | 12.500       | 12.181      | -.319      | -2.55   | .08623  | .000    | 1        |
| S4        | 25.000       | 24.157      | -.843      | -3.37   | .17667  | .002    | 1        |
| S5        | 50.000       | 51.048      | 1.05       | 2.10    | .37974  | .001    | 1        |



Mo 202.030 {467}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

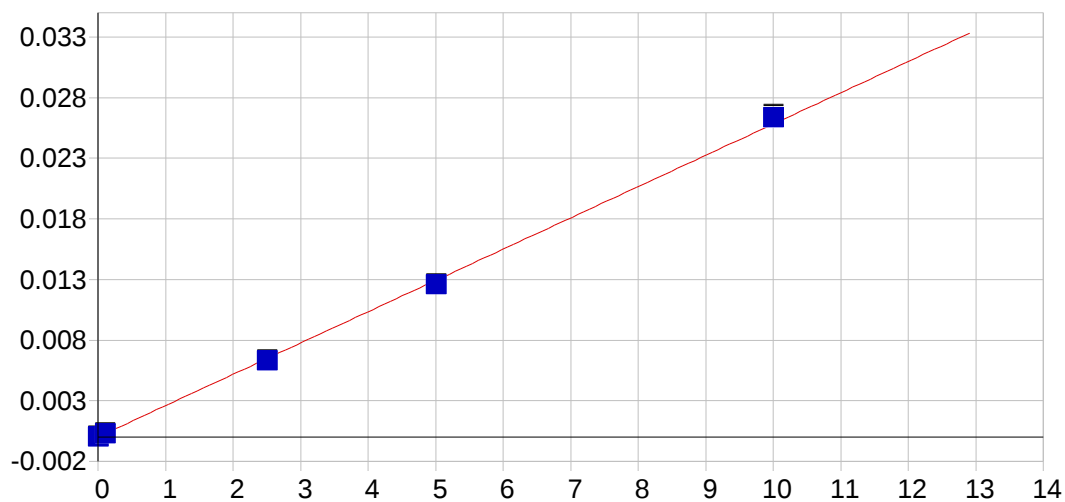
Weighting: 1/Conc

A0 (Offset): -0.000489  
 A1 (Gain): 0.599933  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999934  
 Std Error of Est: 0.000530  
 Predicted MDL: 0.000295  
 Predicted MQL: 0.000982

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    | -.00050 | .000    | 1        |
| S1        | .20000       | .21136      | .011       | 5.68    | .12631  | .000    | 1        |
| S3        | 2.5000       | 2.5103      | .010       | .411    | 1.5055  | .004    | 1        |
| S4        | 5.0000       | 4.9192      | -.081      | -1.62   | 2.9507  | .004    | 1        |
| S5        | 10.000       | 10.059      | .059       | .592    | 6.0343  | .008    | 1        |

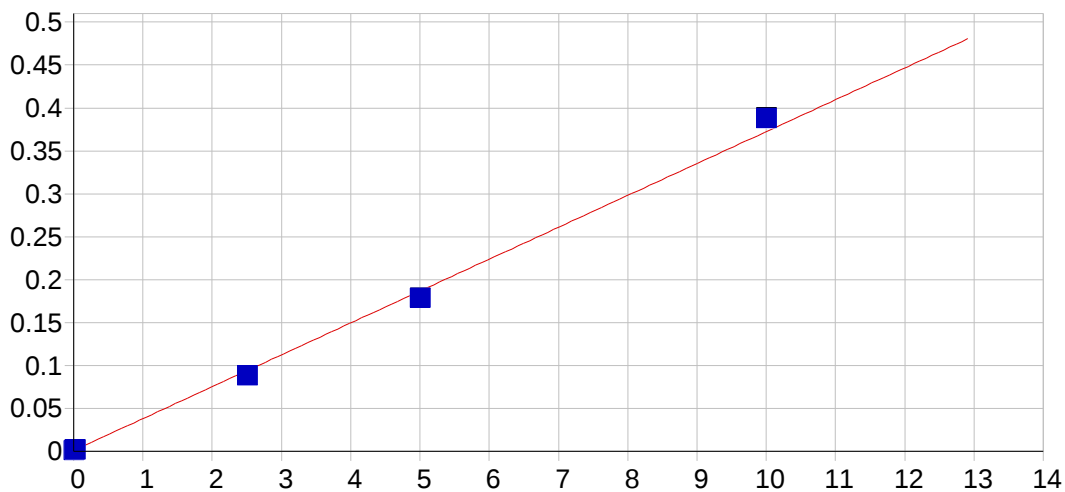


B 249.678 {135}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000022 Re-Slope: 1.000000  
 A1 (Gain): 0.002580 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999733 Status: OK.  
 Std Error of Est: 0.000003  
 Predicted MDL: 0.010566  
 Predicted MQL: 0.035219

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00002 | .000    | 1        |
| S1        | .10000       | .09916      | -.001      | -.843   | .00028 | .000    | 1        |
| S3        | 2.5000       | 2.4350      | -.065      | -2.60   | .00629 | .000    | 1        |
| S4        | 5.0000       | 4.8651      | -.135      | -2.70   | .01254 | .000    | 1        |
| S5        | 10.000       | 10.201      | .201       | 2.01    | .02628 | .000    | 1        |



S 182.034 {485}

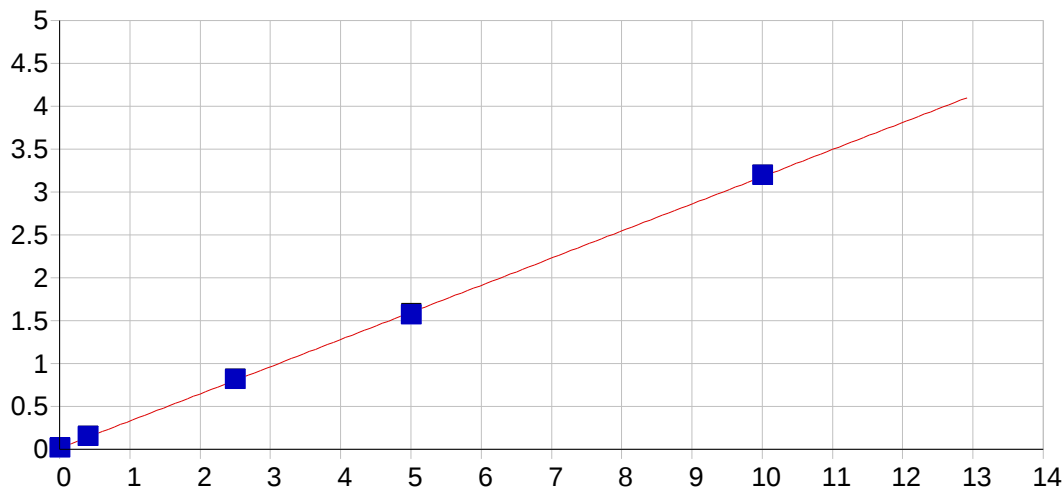
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000966 Re-Slope: 1.000000  
 A1 (Gain): 0.037144 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998861  
 Std Error of Est: 0.000043  
 Predicted MDL: 0.002881  
 Predicted MQL: 0.009605

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00097 | .000    | 1        |
| S1        | .02000       | .01358      | -.006      | -32.1   | .00145 | .000    | 1        |
| S3        | 2.5000       | 2.3349      | -.165      | -6.60   | .08759 | .000    | 1        |
| S4        | 5.0000       | 4.7687      | -.231      | -4.63   | .17789 | .000    | 1        |
| S5        | 10.000       | 10.403      | .403       | 4.03    | .38695 | .001    | 1        |



Si 288.158 {117}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

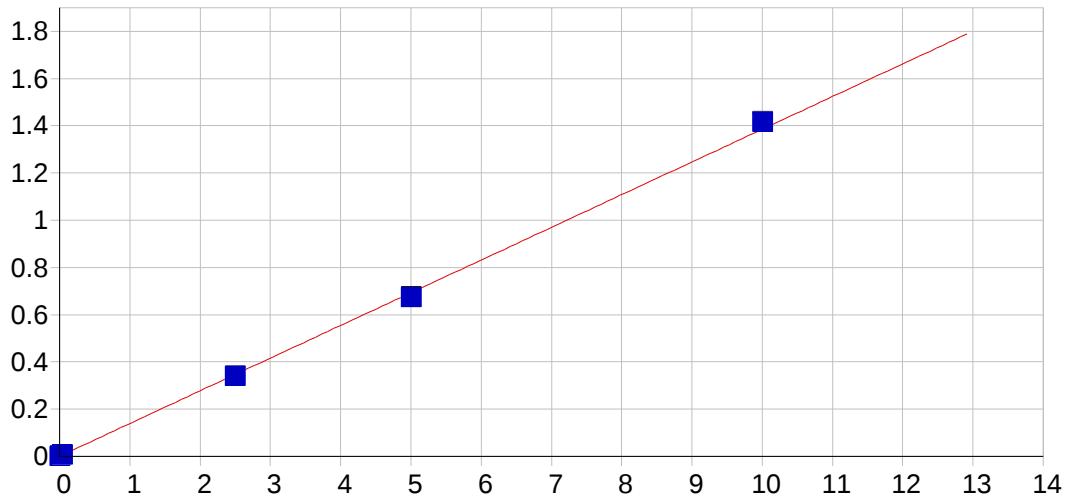
Weighting: 1/Conc

A0 (Offset): 0.013975  
 A1 (Gain): 0.316417  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999915  
 Std Error of Est: 0.000449  
 Predicted MDL: 0.002612  
 Predicted MQL: 0.008708

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    | .01397 | .001    | 1        |
| S1        | .40000       | .41675      | .017       | 4.19    | .14574 | .001    | 1        |
| S3        | 2.5000       | 2.5312      | .031       | 1.25    | .81447 | .001    | 1        |
| S4        | 5.0000       | 4.9070      | -.093      | -1.86   | 1.5658 | .012    | 1        |
| S5        | 10.000       | 10.045      | .045       | .451    | 3.1907 | .003    | 1        |

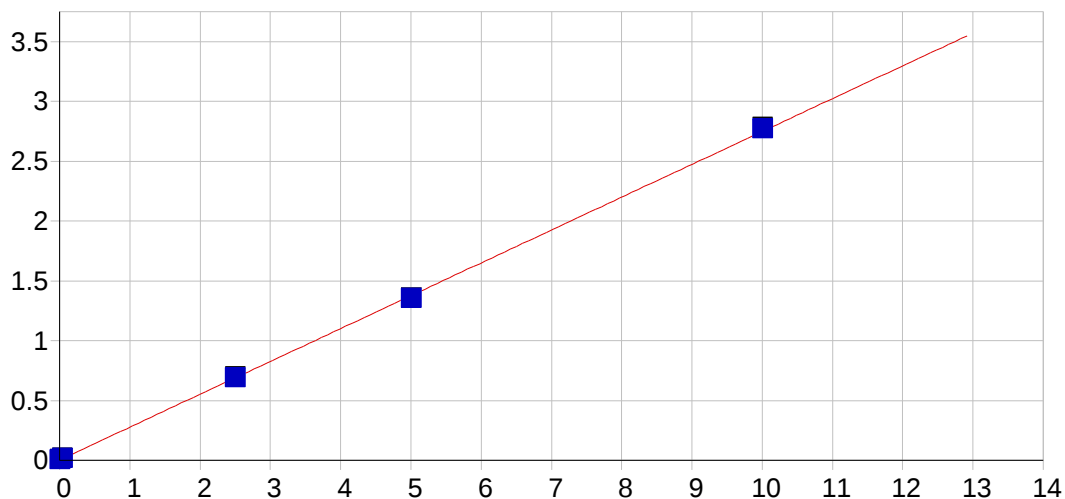


Sn 189.989 {477}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000737 Re-Slope: 1.000000  
 A1 (Gain): 0.138462 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999684 Status: OK.  
 Std Error of Est: 0.000119  
 Predicted MDL: 0.000708  
 Predicted MQL: 0.002361

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00074 | .000    | 1        |
| S1        | .04000       | .03788      | -.002      | -5.31   | .00598 | .000    | 1        |
| S3        | 2.5000       | 2.4336      | -.066      | -2.65   | .33776 | .001    | 1        |
| S4        | 5.0000       | 4.8504      | -.150      | -2.99   | .67245 | .002    | 1        |
| S5        | 10.000       | 10.218      | .218       | 2.18    | 1.4158 | .003    | 1        |



Ti 336.121 {100}

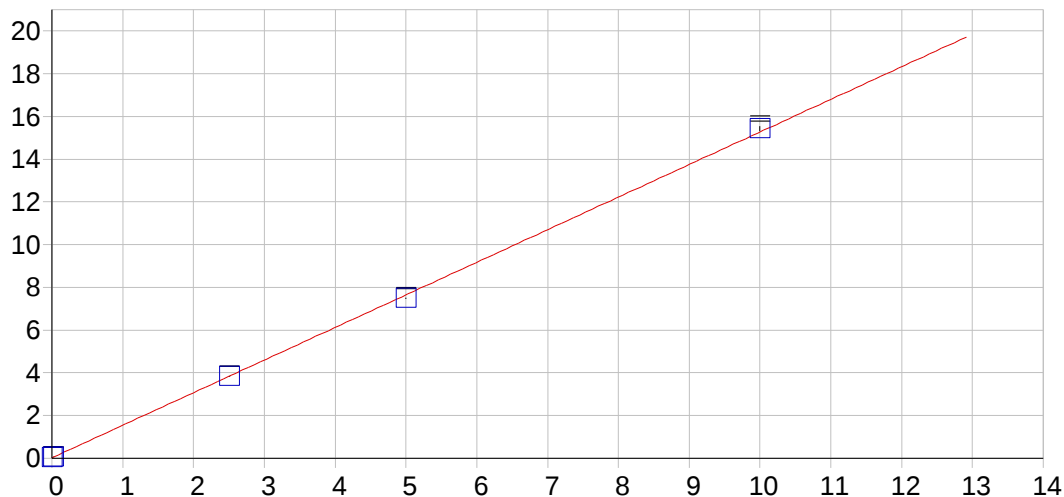
Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002936 Re-Slope: 1.000000  
 A1 (Gain): 0.274546 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999939  
 Std Error of Est: 0.000103  
 Predicted MDL: 0.001866  
 Predicted MQL: 0.006221

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00294 | .000    | 1        |
| S1        | .04000       | .04078      | .001       | 1.95    | .01413 | .000    | 1        |
| S3        | 2.5000       | 2.5007      | .001       | .029    | .68941 | .004    | 1        |
| S4        | 5.0000       | 4.9155      | -.084      | -1.69   | 1.3523 | .007    | 1        |
| S5        | 10.000       | 10.083      | .083       | .830    | 2.7708 | .011    | 1        |



Li 670.784 { 50}

Date of Fit: 5/10/2019 15:03:17

Type of Fit: Linear

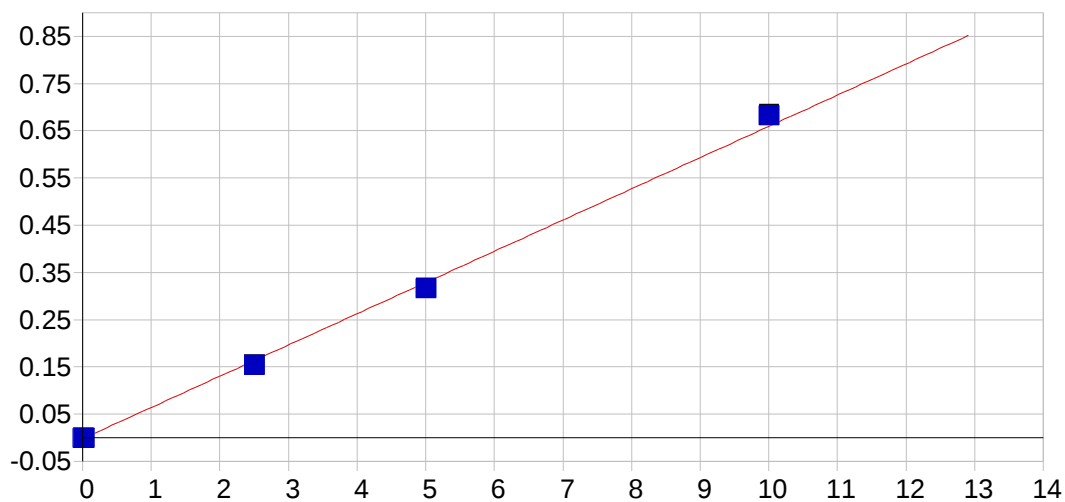
Weighting: 1/Conc

A0 (Offset): 0.022591  
 A1 (Gain): 1.525416  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999903  
 Std Error of Est: 0.000514  
 Predicted MDL: 0.001627  
 Predicted MQL: 0.005425

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    | .02259 | .002    | 1        |
| S1        | .02000       | .02167      | .002       | 8.35    | .05565 | .002    | 1        |
| S3        | 2.5000       | 2.4987      | -.001      | -.053   | 3.8341 | .013    | 1        |
| S4        | 5.0000       | 4.8955      | -.104      | -2.09   | 7.4903 | .041    | 1        |
| S5        | 10.000       | 10.104      | .104       | 1.04    | 15.436 | .115    | 1        |



P 177.495 {490}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001888 Re-Slope: 1.000000  
 A1 (Gain): 0.066132 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999195 Status: OK.  
 Std Error of Est: 0.000064  
 Predicted MDL: 0.001597  
 Predicted MQL: 0.005322

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00189 | .000    | 1        |
| S1        | .02000       | .01863      | -.001      | -6.87   | -.00066 | .000    | 1        |
| S3        | 2.5000       | 2.3554      | -.145      | -5.78   | .15364  | .001    | 1        |
| S4        | 5.0000       | 4.8019      | -.198      | -3.96   | .31519  | .000    | 1        |
| S5        | 10.000       | 10.344      | .344       | 3.44    | .68123  | .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

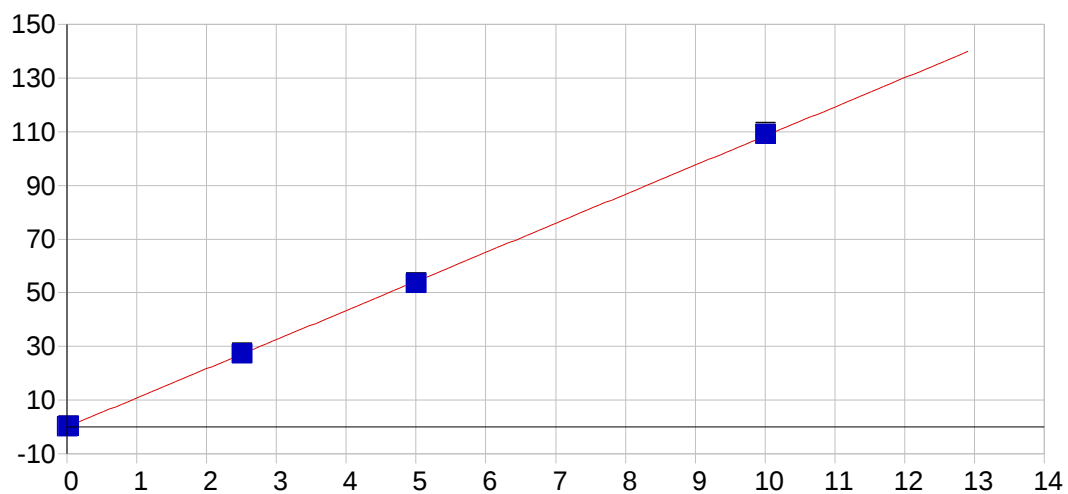
Status: Warning Zero Gain

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: 5/10/2019 15:03:17

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001632

Re-Slope: 1.000000

A1 (Gain): 10.839330

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999960

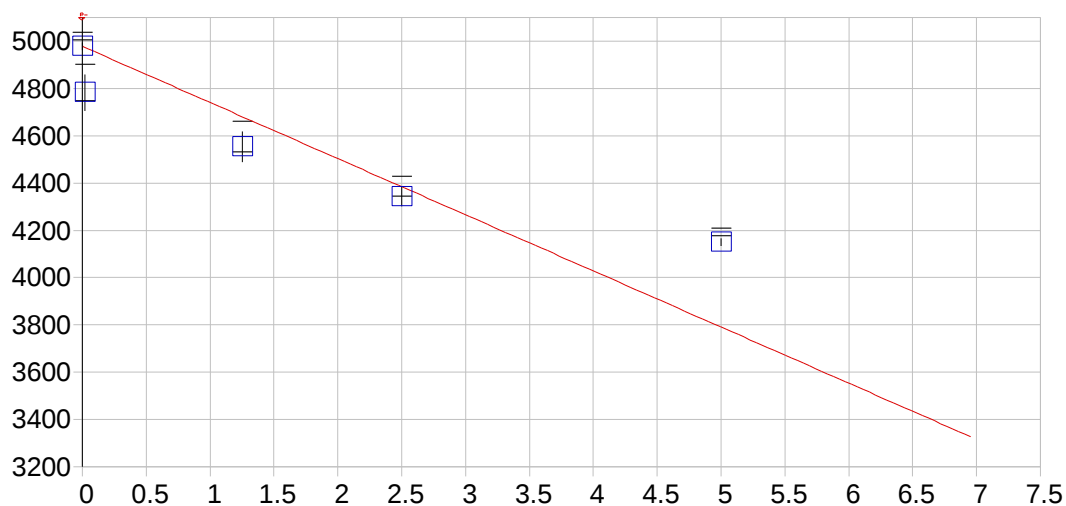
Status: OK.

Std Error of Est: 0.002333

Predicted MDL: 0.000094

Predicted MQL: 0.000314

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00164 | .000    | 1        |
| S1        | .02000       | .02106      | .001       | 5.28    | .22780  | .002    | 1        |
| S3        | 2.5000       | 2.5157      | .016       | .627    | 27.296  | .070    | 1        |
| S4        | 5.0000       | 4.9307      | -.069      | -1.39   | 53.503  | .280    | 1        |
| S5        | 10.000       | 10.053      | .053       | .526    | 109.08  | .540    | 1        |

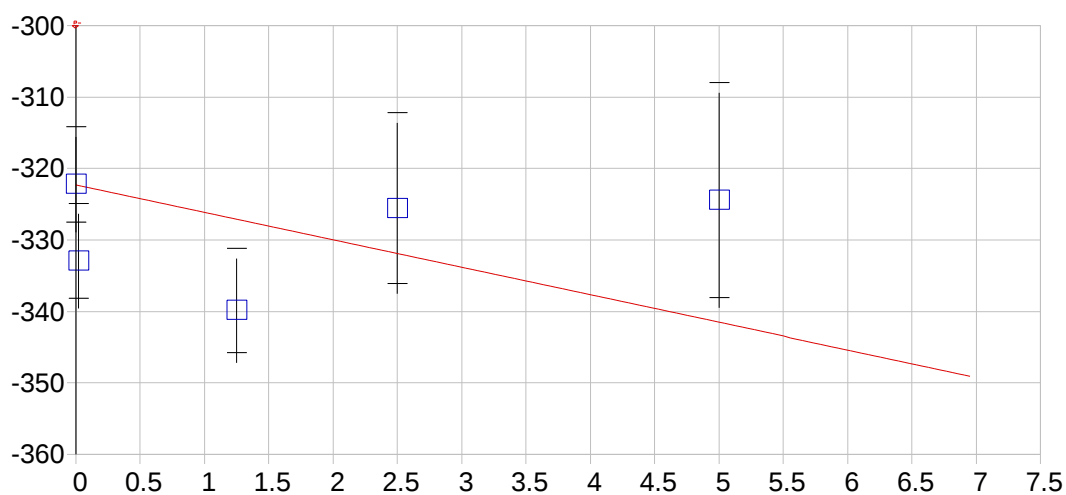


U 367.007 { 92 }

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 4977.945925 Re-Slope: 1.000000  
 A1 (Gain): -237.402078 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.458301 Status: Warning Negative Gain  
 Std Error of Est: 7.867648  
 Predicted MDL: n/a  
 Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00081     | -.001      | .000    | 4978.1 | 16.7    | 1        |
| S1        | .02000       | .82308      | .803       | 4020.   | 4782.5 | 77.2    | 1        |
| S3        | 1.2500       | 1.7886      | .539       | 43.1    | 4553.3 | 64.3    | 1        |
| S4        | 2.5000       | 2.6732      | .173       | 6.93    | 4343.3 | 41.4    | 1        |
| S5        | 5.0000       | 3.4851      | -1.51      | -30.3   | 4150.6 | 16.5    | 1        |



U 385.958 { 87}

Date of Fit: 5/10/2019 15:03:17 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -322.257983 Re-Slope: 1.000000

A1 (Gain): -3.853337 Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.148110

Status: Warning Negative Gain

Std Error of Est: 0.439687

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00277     | -.003      | .000    | -322.25 | 6.64    | 1        |
| S1        | .02000       | 2.7652      | 2.75       | 13700.  | -332.91 | 6.63    | 1        |
| S3        | 1.2500       | 4.5713      | 3.32       | 266.    | -339.87 | 7.32    | 1        |
| S4        | 2.5000       | .86036      | -1.64      | -65.6   | -325.57 | 12.0    | 1        |
| S5        | 5.0000       | .57314      | -4.43      | -88.5   | -324.47 | 15.0    | 1        |

Sample Name: S0      Acquired: 5/10/2019 11:13:38      Type: Cal  
Method: P4-ICP2(v3107)      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    | .00002 | .00015 | .00192 | -.00007 | .00002 | .00125 | -.00158 | .00011 |
| Stddev | .00008 | .00002 | .00010 | .00019  | .00013 | .00005 | .00008  | .00002 |
| %RSD   | 525.20 | 14.674 | 5.3316 | 287.74  | 743.64 | 3.9119 | 4.9415  | 21.846 |

|    |         |        |        |         |         |        |         |        |
|----|---------|--------|--------|---------|---------|--------|---------|--------|
| #1 | -.00001 | .00016 | .00182 | .00006  | .00017  | .00130 | -.00163 | .00010 |
| #2 | -.00005 | .00016 | .00203 | .00002  | -.00009 | .00125 | -.00149 | .00010 |
| #3 | .00011  | .00012 | .00190 | -.00029 | -.00002 | .00120 | -.00162 | .00014 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| 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    | -.00087 | .00072 | -.00016 | -.00026 | .00408 | .00105 | .00027 | .00005 |
| Stddev | .00016  | .00052 | .00003  | .00011  | .00023 | .00004 | .00003 | .00001 |
| %RSD   | 18.089  | 71.855 | 20.654  | 41.671  | 5.6756 | 3.3365 | 10.705 | 20.786 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00104 | .00049 | -.00017 | -.00038 | .00382 | .00103 | .00030 | .00005 |
| #2 | -.00086 | .00036 | -.00012 | -.00016 | .00418 | .00104 | .00026 | .00007 |
| #3 | -.00073 | .00132 | -.00018 | -.00025 | .00424 | .00109 | .00024 | .00005 |

|        |         |         |        |         |        |         |         |        |
|--------|---------|---------|--------|---------|--------|---------|---------|--------|
| 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    | -.00578 | -.00040 | .00446 | -.00016 | .00406 | -.00576 | -.00050 | .00002 |
| Stddev | .00010  | .00010  | .00024 | .00003  | .00020 | .00023  | .00009  | .00003 |
| %RSD   | 1.7046  | 24.788  | 5.4760 | 21.289  | 4.8340 | 3.9768  | 18.927  | 117.21 |

|    |         |         |        |         |        |         |         |         |
|----|---------|---------|--------|---------|--------|---------|---------|---------|
| #1 | -.00570 | -.00038 | .00460 | -.00020 | .00429 | -.00557 | -.00043 | .00003  |
| #2 | -.00576 | -.00051 | .00460 | -.00014 | .00397 | -.00569 | -.00060 | .00004  |
| #3 | -.00589 | -.00032 | .00418 | -.00014 | .00394 | -.00601 | -.00045 | -.00001 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00097 | .01397 | .00074 | .00294 | .02259 | -.0019 | -.00164 | 4978.1 |
| Stddev | .00008 | .00110 | .00007 | .00020 | .00193 | .0001  | .00037  | 16.7   |
| %RSD   | 8.5210 | 7.8793 | 9.2863 | 6.8343 | 8.5339 | 5.382  | 22.291  | .33581 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00103 | .01431 | .00066 | .00316 | .02052 | -.0018 | -.00206 | 4981.0 |
| #2 | .00100 | .01486 | .00080 | .00289 | .02291 | -.0020 | -.00137 | 4993.2 |
| #3 | .00087 | .01274 | .00075 | .00276 | .02433 | -.0019 | -.00150 | 4960.2 |

Sample Name: S0      Acquired: 5/10/2019 11:13:38      Type: Cal  
 Method: P4-ICP2(v3107)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -322.25 |
| Stddev | 6.64    |
| %RSD   | 2.0605  |

|    |         |
|----|---------|
| #1 | -314.62 |
| #2 | -325.38 |
| #3 | -326.74 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4281.8 | 51220. | 5223.8 | 75.125 | 4935.1 |
| Stddev    | 3.5    | 17.    | 20.3   | 1.083  | 4.4    |
| %RSD      | .08225 | .03345 | .38839 | 1.4417 | .08995 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4278.0 | 51202. | 5202.6 | 73.950 | 4931.5 |
| #2 | 4282.5 | 51235. | 5226.0 | 75.342 | 4933.6 |
| #3 | 4284.9 | 51224. | 5243.0 | 76.083 | 4940.0 |

Sample Name: S1      Acquired: 5/10/2019 11:18:04      Type: Cal  
Method: P4-ICP2(v3107)      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    | .00097 | .00468 | .00506 | .00097 | .00595 | .00221 | .04664 | .00554 |
| Stddev | .00008 | .00019 | .00019 | .00012 | .00008 | .00012 | .00097 | .00006 |
| %RSD   | 8.2974 | 4.0713 | 3.7935 | 12.619 | 1.2631 | 5.4247 | 2.0847 | 1.1461 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00099 | .00460 | .00516 | .00105 | .00603 | .00211 | .04554 | .00548 |
| #2 | .00104 | .00490 | .00484 | .00083 | .00589 | .00234 | .04739 | .00552 |
| #3 | .00088 | .00455 | .00519 | .00103 | .00592 | .00218 | .04699 | .00561 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01872 | .00191 | .02953 | .02081 | .01071 | .02280 | .01721 | .00179 |
| Stddev | .00022 | .00002 | .00016 | .00021 | .00009 | .00009 | .00001 | .00003 |
| %RSD   | 1.1620 | 1.0910 | .53439 | .99547 | .83166 | .38802 | .08089 | 1.4148 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01871 | .00189 | .02946 | .02084 | .01081 | .02290 | .01720 | .00181 |
| #2 | .01894 | .00190 | .02942 | .02059 | .01069 | .02273 | .01723 | .00176 |
| #3 | .01850 | .00193 | .02971 | .02100 | .01064 | .02278 | .01721 | .00179 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00828 | .07864 | .12631 | .00028 | .00145 | .14574 | .00598 | .01413 |
| Stddev | .00005 | .00023 | .00007 | .00004 | .00007 | .00130 | .00008 | .00035 |
| %RSD   | .66236 | .29053 | .05625 | 14.981 | 5.1110 | .89351 | 1.2642 | 2.4964 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00835 | .07881 | .12623 | .00024 | .00151 | .14708 | .00590 | .01429 |
| #2 | .00825 | .07838 | .12635 | .00032 | .00137 | .14448 | .00598 | .01372 |
| #3 | .00826 | .07872 | .12636 | .00026 | .00146 | .14565 | .00606 | .01437 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .05565 | -.0007 | .22780 | 4782.5 | -332.91 |
| Stddev | .00243 | .0001  | .00168 | 77.2   | 6.63    |
| %RSD   | 4.3592 | 8.632  | .73596 | 1.6139 | 1.9913  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .05466 | -.0007 | .22599 | 4777.4 | -337.40 |
| #2 | .05387 | -.0006 | .22931 | 4708.1 | -325.30 |
| #3 | .05841 | -.0007 | .22808 | 4862.2 | -336.04 |

Sample Name: S1      Acquired: 5/10/2019 11:18:04      Type: Cal  
Method: P4-ICP2(v3107)      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       | 4230.4 | 50920. | 5165.6 | 73.981 | 4833.1 |
| Stddev    | 10.4   | 170.   | 18.3   | .446   | 4.1    |
| %RSD      | .24612 | .33449 | .35488 | .60264 | .08543 |
| #1        | 4218.8 | 51047. | 5145.7 | 74.483 | 4829.3 |
| #2        | 4239.0 | 50987. | 5169.4 | 73.633 | 4837.5 |
| #3        | 4233.4 | 50727. | 5181.8 | 73.825 | 4832.4 |

Sample Name: S2      Acquired: 5/10/2019 11:22:37      Type: Cal  
Method: P4-ICP2(v3107)      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    | .10048 | .00145 | .07030 | .01021 |
| Stddev | .00053 | .00003 | .00038 | .00037 |
| %RSD   | .53025 | 1.9675 | .54674 | 3.6616 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .10008 | .00148 | .06985 | .01063 |
| #2 | .10026 | .00143 | .07048 | .01008 |
| #3 | .10108 | .00143 | .07055 | .00992 |

|           |        |        |
|-----------|--------|--------|
| Int. Std. | Y_3600 | Y_3710 |
| Units     | Cts/S  | Cts/S  |
| Avg       | 50874. | 5173.9 |
| Stddev    | 39.    | 14.8   |
| %RSD      | .07695 | .28548 |

|    |        |        |
|----|--------|--------|
| #1 | 50903. | 5164.1 |
| #2 | 50891. | 5190.9 |
| #3 | 50830. | 5166.8 |

Sample Name: S3      Acquired: 5/10/2019 11:26:50      Type: Cal  
Method: P4-ICP2(v3107)      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    | .10867 | .27216 | .57535 | .13102 | .27340 | .04286 | 2.3025 | .10973 |
| Stddev | .00011 | .00010 | .00155 | .00058 | .00063 | .00009 | .0112  | .00056 |
| %RSD   | .10276 | .03773 | .26971 | .44200 | .23121 | .20150 | .48478 | .51206 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10874 | .27215 | .57437 | .13062 | .27273 | .04278 | 2.2907 | .10910 |
| #2 | .10854 | .27226 | .57714 | .13076 | .27349 | .04295 | 2.3129 | .10992 |
| #3 | .10874 | .27205 | .57454 | .13169 | .27398 | .04286 | 2.3038 | .11018 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.9903 | .53961 | .09847 | 1.2555 | .49726 | .22940 | 1.3004 | .00802 |
| Stddev | .0049  | .00216 | .00037 | .0017  | .00040 | .00099 | .0051  | .00000 |
| %RSD   | .12256 | .40030 | .37493 | .13219 | .07965 | .42984 | .38894 | .02269 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.9854 | .53779 | .09831 | 1.2543 | .49702 | .22843 | 1.2946 | .00802 |
| #2 | 3.9952 | .54200 | .09821 | 1.2574 | .49705 | .22936 | 1.3026 | .00802 |
| #3 | 3.9902 | .53903 | .09890 | 1.2549 | .49772 | .23040 | 1.3039 | .00802 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .70406 | .12562 | .37539 | .26032 | 2.3397 | .08623 | 1.5055 | .00629 |
| Stddev | .00142 | .00025 | .00123 | .00112 | .0012  | .00020 | .0035  | .00005 |
| %RSD   | .20200 | .20021 | .32706 | .42964 | .05109 | .22749 | .23282 | .72641 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70277 | .12585 | .37399 | .25917 | 2.3406 | .08605 | 1.5018 | .00629 |
| #2 | .70383 | .12535 | .37589 | .26039 | 2.3402 | .08644 | 1.5060 | .00624 |
| #3 | .70558 | .12566 | .37629 | .26141 | 2.3383 | .08619 | 1.5087 | .00634 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .08759 | .81447 | .33776 | .68941 | 3.8341 | .1536  | 27.296 | 4553.3 |
| Stddev | .00029 | .00147 | .00091 | .00406 | .0130  | .0007  | .070   | 64.3   |
| %RSD   | .33045 | .17998 | .26859 | .58930 | .33767 | .4580  | .25701 | 1.4130 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .08758 | .81349 | .33678 | .69027 | 3.8192 | .1529 | 27.251 | 4627.6 |
| #2 | .08730 | .81615 | .33793 | .69298 | 3.8429 | .1537 | 27.377 | 4517.9 |
| #3 | .08788 | .81376 | .33857 | .68499 | 3.8401 | .1543 | 27.261 | 4514.5 |

Sample Name: S3      Acquired: 5/10/2019 11:26:50      Type: Cal  
Method: P4-ICP2(v3107)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -339.87 |
| Stddev | 7.32    |
| %RSD   | 2.1538  |

|    |         |
|----|---------|
| #1 | -332.12 |
| #2 | -346.66 |
| #3 | -340.84 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4230.8 | 50844. | 5248.9 | 74.075 | 4618.0 |
| Stddev    | 5.4    | 202.   | 6.6    | 2.473  | 7.7    |
| %RSD      | .12780 | .39643 | .12648 | 3.3388 | .16614 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4232.2 | 50971. | 5246.9 | 73.014 | 4616.7 |
| #2 | 4224.8 | 50948. | 5256.3 | 72.308 | 4611.1 |
| #3 | 4235.3 | 50611. | 5243.5 | 76.901 | 4626.3 |

Sample Name: S4      Acquired: 5/10/2019 11:30:50      Type: Cal  
Method: P4-ICP2(v3107)      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    | .21579 | .53813 | 1.1366 | .25903 | .53846 | .08342 | 4.5394 | .21590 |
| Stddev | .00036 | .00099 | .0014  | .00063 | .00137 | .00056 | .0352  | .00065 |
| %RSD   | .16721 | .18365 | .12565 | .24393 | .25351 | .67418 | .77649 | .30003 |
| #1     | .21570 | .53862 | 1.1373 | .25919 | .53941 | .08285 | 4.5290 | .21531 |
| #2     | .21619 | .53700 | 1.1350 | .25956 | .53908 | .08397 | 4.5105 | .21579 |
| #3     | .21549 | .53879 | 1.1376 | .25833 | .53690 | .08346 | 4.5787 | .21660 |
| 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    | 7.9725 | 1.0504 | .19274 | 2.4997 | .95862 | .44405 | 2.5379 | .01573 |
| Stddev | .0082  | .0073  | .00042 | .0079  | .00140 | .00118 | .0070  | .00009 |
| %RSD   | .10229 | .69154 | .21534 | .31760 | .14620 | .26604 | .27769 | .59371 |
| #1     | 7.9699 | 1.0559 | .19269 | 2.4976 | .95896 | .44303 | 2.5328 | .01563 |
| #2     | 7.9660 | 1.0422 | .19236 | 2.4930 | .95982 | .44376 | 2.5348 | .01576 |
| #3     | 7.9817 | 1.0531 | .19318 | 2.5084 | .95708 | .44534 | 2.5459 | .01581 |
| 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    | 1.3910 | .24603 | .73918 | .51235 | 4.6931 | .17667 | 2.9507 | .01254 |
| Stddev | .0023  | .00085 | .00484 | .00076 | .0042  | .00158 | .0041  | .00003 |
| %RSD   | .16404 | .34664 | .65490 | .14845 | .08998 | .89321 | .13864 | .27858 |
| #1     | 1.3906 | .24685 | .73369 | .51186 | 4.6910 | .17487 | 2.9546 | .01251 |
| #2     | 1.3889 | .24515 | .74101 | .51196 | 4.6903 | .17781 | 2.9511 | .01258 |
| #3     | 1.3934 | .24608 | .74284 | .51322 | 4.6979 | .17733 | 2.9464 | .01254 |
| 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    | .17789 | 1.5658 | .67245 | 1.3523 | 7.4903 | .3152  | 53.503 | 4343.3 |
| Stddev | .00030 | .0123  | .00182 | .0065  | .0415  | .0004  | .280   | 41.4   |
| %RSD   | .16818 | .78234 | .27113 | .48151 | .55366 | .1169  | .52397 | .95221 |
| #1     | .17778 | 1.5778 | .67036 | 1.3528 | 7.5193 | .3155  | 53.682 | 4387.9 |
| #2     | .17766 | 1.5533 | .67372 | 1.3455 | 7.4428 | .3153  | 53.180 | 4335.9 |
| #3     | .17823 | 1.5663 | .67327 | 1.3585 | 7.5087 | .3148  | 53.647 | 4306.2 |

Sample Name: S4      Acquired: 5/10/2019 11:30:50      Type: Cal  
Method: P4-ICP2(v3107)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -325.57 |
| Stddev | 11.98   |
| %RSD   | 3.6783  |

|    |         |
|----|---------|
| #1 | -313.24 |
| #2 | -326.33 |
| #3 | -337.15 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4142.5 | 49771. | 5185.5 | 71.716 | 4414.7 |
| Stddev    | 6.6    | 76.    | 37.5   | 1.096  | 6.4    |
| %RSD      | .15843 | .15340 | .72324 | 1.5278 | .14460 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4135.7 | 49859. | 5147.6 | 72.967 | 4410.7 |
| #2 | 4142.9 | 49727. | 5222.6 | 71.256 | 4422.1 |
| #3 | 4148.8 | 49727. | 5186.4 | 70.925 | 4411.4 |

Sample Name: S5      Acquired: 5/10/2019 11:34:52      Type: Cal  
Method: P4-ICP2(v3107)      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    | .45240 | 1.1092 | 2.3875 | .54095 | 1.1267 | .17575 | 9.6794 | .44668 |
| Stddev | .00047 | .0024  | .0048  | .00049 | .0005  | .00071 | .0848  | .00069 |
| %RSD   | .10331 | .22014 | .20128 | .09064 | .04452 | .40410 | .87586 | .15402 |
| #1     | .45225 | 1.1116 | 2.3931 | .54039 | 1.1272 | .17609 | 9.7638 | .44589 |
| #2     | .45203 | 1.1095 | 2.3850 | .54116 | 1.1264 | .17624 | 9.6803 | .44706 |
| #3     | .45293 | 1.1067 | 2.3845 | .54130 | 1.1263 | .17494 | 9.5942 | .44710 |
| 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    | 16.803 | 2.1415 | .39265 | 5.2837 | 1.9460 | .90223 | 5.1024 | .03290 |
| Stddev | .031   | .0068  | .00165 | .0128  | .0025  | .00121 | .0407  | .00006 |
| %RSD   | .18187 | .31837 | .41987 | .24239 | .13005 | .13357 | .79739 | .17442 |
| #1     | 16.838 | 2.1494 | .39433 | 5.2985 | 1.9451 | .90311 | 5.1468 | .03296 |
| #2     | 16.789 | 2.1371 | .39259 | 5.2756 | 1.9441 | .90273 | 5.0669 | .03289 |
| #3     | 16.781 | 2.1381 | .39103 | 5.2771 | 1.9489 | .90086 | 5.0935 | .03284 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.9165 | .50623 | 1.5542 | 1.0538 | 9.9574 | .37974 | 6.0343 | .02628 |
| Stddev | .0059  | .00062 | .0059  | .0014  | .0184  | .00149 | .0077  | .00025 |
| %RSD   | .20139 | .12171 | .38232 | .12897 | .18481 | .39289 | .12754 | .95560 |
| #1     | 2.9232 | .50655 | 1.5580 | 1.0533 | 9.9780 | .38043 | 6.0411 | .02638 |
| #2     | 2.9128 | .50662 | 1.5572 | 1.0554 | 9.9516 | .38076 | 6.0259 | .02646 |
| #3     | 2.9134 | .50552 | 1.5473 | 1.0528 | 9.9426 | .37802 | 6.0360 | .02599 |
| 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    | .38695 | 3.1907 | 1.4158 | 2.7708 | 15.436 | .6812  | 109.08 | 4150.6 |
| Stddev | .00146 | .0034  | .0030  | .0111  | .115   | .0018  | .54    | 16.5   |
| %RSD   | .37685 | .10573 | .20873 | .40177 | .74491 | .2597  | .49543 | .39696 |
| #1     | .38808 | 3.1928 | 1.4188 | 2.7675 | 15.449 | .6831  | 109.41 | 4141.7 |
| #2     | .38747 | 3.1926 | 1.4129 | 2.7832 | 15.543 | .6810  | 109.37 | 4169.6 |
| #3     | .38530 | 3.1868 | 1.4158 | 2.7617 | 15.315 | .6796  | 108.46 | 4140.5 |

Sample Name: S5      Acquired: 5/10/2019 11:34:52      Type: Cal  
 Method: P4-ICP2(v3107)      Mode: IR      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -324.47 |
| Stddev | 15.04   |
| %RSD   | 4.6352  |

|    |         |
|----|---------|
| #1 | -307.28 |
| #2 | -330.89 |
| #3 | -335.23 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3970.4 | 48106. | 5145.1 | 71.761 | 4098.1 |
| Stddev    | 7.2    | 247.   | 27.9   | 2.072  | 7.0    |
| %RSD      | .18084 | .51338 | .54249 | 2.8871 | .17052 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3970.6 | 47909. | 5130.6 | 71.217 | 4090.3 |
| #2 | 3977.5 | 48026. | 5127.4 | 74.050 | 4103.8 |
| #3 | 3963.1 | 48383. | 5177.3 | 70.015 | 4100.3 |

Sample Name: ICV01      Acquired: 5/10/2019 11:54:15      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0289 | 1.0610 | 1.0241 | 1.0349 | 1.0165 | 2.5805 | .50656 |
| Stddev | .0049  | .0045  | .0026  | .0022  | .0050  | .0224  | .00306 |
| %RSD   | .47194 | .42009 | .25694 | .20994 | .49508 | .86974 | .60417 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0233 | 1.0559 | 1.0219 | 1.0363 | 1.0160 | 2.5552 | .50346 |
| #2 | 1.0317 | 1.0636 | 1.0270 | 1.0361 | 1.0218 | 2.5882 | .50958 |
| #3 | 1.0317 | 1.0636 | 1.0233 | 1.0324 | 1.0118 | 2.5980 | .50664 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49535 | .49835 | 10.434 | .51442 | .50382 | .49569 | 5.2026 |
| Stddev | .00032 | .00079 | .009   | .00059 | .00121 | .00204 | .0120  |
| %RSD   | .06462 | .15835 | .08324 | .11418 | .24027 | .41071 | .23119 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .49561 | .49846 | 10.435 | .51406 | .50252 | .49341 | 5.1888 |
| #2 | .49544 | .49751 | 10.425 | .51510 | .50406 | .49733 | 5.2105 |
| #3 | .49499 | .49907 | 10.442 | .51410 | .50490 | .49632 | 5.2086 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .51933 | 6.0603 | .50680 | .51770 | 10.057 | .50290 | .98465 |
| Stddev | .00051 | .0654  | .00175 | .00097 | .071   | .00159 | .00094 |
| %RSD   | .09809 | 1.0789 | .34583 | .18780 | .70534 | .31662 | .09586 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .51875 | 6.0044 | .50477 | .51803 | 9.9771 | .50452 | .98423 |
| #2 | .51970 | 6.0443 | .50777 | .51846 | 10.112 | .50134 | .98399 |
| #3 | .51953 | 6.1322 | .50785 | .51661 | 10.082 | .50284 | .98573 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.073 | 2.5303 | 2.4719 | F -.00344 | 2.4328 | 2.4218 | 2.5220 |
| Stddev | .068   | .0025  | .0179  | .00223    | .0131  | .0093  | .0079  |
| %RSD   | .67814 | .09758 | .72396 | 64.821    | .53760 | .38304 | .31478 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.039 | 2.5311 | 2.4513 | -.00133 | 2.4448 | 2.4111 | 2.5239 |
| #2 | 10.151 | 2.5322 | 2.4820 | -.00321 | 2.4348 | 2.4279 | 2.5132 |
| #3 | 10.028 | 2.5275 | 2.4826 | -.00577 | 2.4188 | 2.4264 | 2.5287 |

Sample Name: ICV01      Acquired: 5/10/2019 11:54:15      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICV01      Custom ID2:      Custom ID3:  
Comment:

|           |          |         |          |          |          |
|-----------|----------|---------|----------|----------|----------|
| Elem      | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units     | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg       | F .00045 | F .0028 | F .00626 | F 1.6804 | F<.00000 |
| Stddev    | .00128   | .0006   | .00008   | .1202    | 2.4119   |
| %RSD      | 286.05   | 20.03   | 1.3092   | 7.1503   | 55.445   |
| #1        | -.00066  | .0032   | .00616   | 1.8178   | -1.6514  |
| #2        | .00015   | .0022   | .00631   | 1.6287   | -5.1036  |
| #3        | .00184   | .0031   | .00629   | 1.5948   | -6.2953  |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 4123.0   | 49810.  | 5176.7   | 72.649   | 4594.4   |
| Stddev    | 3.6      | 57.     | 22.4     | .870     | 7.0      |
| %RSD      | .08772   | .11354  | .43215   | 1.1969   | .15241   |
| #1        | 4120.4   | 49807.  | 5151.1   | 73.287   | 4590.4   |
| #2        | 4121.6   | 49755.  | 5192.6   | 73.002   | 4602.5   |
| #3        | 4127.1   | 49868.  | 5186.3   | 71.659   | 4590.4   |

Sample Name: LLICV01      Acquired: 5/10/2019 11:58:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |        |        |        |        |        |          |
|--------|----------|----------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908   | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02330   | .04226   | .01436 | .02030 | .05470 | .10708 | .10570 | .00651   |
| Stddev | .00074   | .00035   | .00077 | .00120 | .00263 | .01074 | .00085 | .00004   |
| %RSD   | 3.1892   | .82941   | 5.3639 | 5.9333 | 4.8010 | 10.035 | .80305 | .54898   |
| #1     | .02414   | .04194   | .01368 | .02168 | .05656 | .09666 | .10475 | .00653   |
| #2     | .02300   | .04222   | .01421 | .01980 | .05586 | .10644 | .10598 | .00653   |
| #3     | .02274   | .04263   | .01520 | .01943 | .05170 | .11813 | .10638 | .00647   |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00607   | 2.1566   | .01045 | .03066 | .02218 | .11744 | .02299 | 2.1103   |
| Stddev | .00003   | .0152    | .00017 | .00002 | .00045 | .00030 | .00019 | .0271    |
| %RSD   | .43462   | .70507   | 1.6730 | .05836 | 2.0337 | .25655 | .83037 | 1.2833   |
| #1     | .00609   | 2.1501   | .01060 | .03064 | .02167 | .11752 | .02282 | 2.1312   |
| #2     | .00604   | 2.1740   | .01050 | .03067 | .02239 | .11711 | .02320 | 2.0797   |
| #3     | .00607   | 2.1457   | .01026 | .03067 | .02250 | .11770 | .02296 | 2.1199   |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04122   | .01106   | 2.0171 | .04233 | .04325 | 1.9680 | .21496 | .10438   |
| Stddev | .00040   | .00042   | .0146  | .00046 | .00021 | .0339  | .00084 | .00234   |
| %RSD   | .96677   | 3.7689   | .72341 | 1.0900 | .47743 | 1.7209 | .38862 | 2.2457   |
| #1     | .04087   | .01059   | 2.0037 | .04278 | .04343 | 1.9970 | .21588 | .10181   |
| #2     | .04166   | .01120   | 2.0150 | .04235 | .04302 | 1.9761 | .21425 | .10493   |
| #3     | .04115   | .01139   | 2.0326 | .04186 | .04329 | 1.9308 | .21474 | .10641   |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .00860 | F .65425 | .04164 | .04102 | .02073 | .0199  | .02149 | F 1.6513 |
| Stddev | .00054   | .01113   | .00030 | .00145 | .00092 | .0002  | .00006 | .1056    |
| %RSD   | 6.3320   | 1.7014   | .73047 | 3.5369 | 4.4588 | 1.020  | .29558 | 6.3970   |
| #1     | .00816   | .66640   | .04185 | .03938 | .02151 | .0197  | .02156 | 1.5528   |
| #2     | .00843   | .65182   | .04179 | .04155 | .01971 | .0201  | .02145 | 1.6382   |
| #3     | .00921   | .64454   | .04129 | .04213 | .02096 | .0198  | .02145 | 1.7628   |

Sample Name: LLICV01      Acquired: 5/10/2019 11:58:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.3912 |
| Stddev | 1.5772   |
| %RSD   | 65.960   |

|    |        |
|----|--------|
| #1 | .57411 |
| #2 | 3.4061 |
| #3 | 3.1934 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4186.2 | 50772. | 5192.6 | 74.636 | 4789.2 |
| Stddev    | 15.0   | 169.   | 41.9   | 1.172  | 8.9    |
| %RSD      | .35812 | .33268 | .80709 | 1.5705 | .18639 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4168.9 | 50593. | 5154.1 | 73.850 | 4779.4 |
| #2 | 4194.9 | 50928. | 5186.5 | 74.075 | 4791.5 |
| #3 | 4194.7 | 50794. | 5237.3 | 75.983 | 4796.8 |

Sample Name: ICB01      Acquired: 5/10/2019 12:02:44      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00197 | -.00055 | .00160 | -.00209 | .00105 | -.00331 | .00003 |
| Stddev | .00040 | .00073  | .00071 | .00179  | .00196 | .00478  | .00061 |
| %RSD   | 20.121 | 132.95  | 43.943 | 85.746  | 186.49 | 144.14  | 1775.9 |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00207 | -.00025 | .00190 | -.00383 | .00009  | -.00106 | -.00044 |
| #2 | .00230 | -.00001 | .00080 | -.00218 | -.00024 | -.00880 | -.00017 |
| #3 | .00153 | -.00137 | .00212 | -.00025 | .00331  | -.00008 | .00072  |

|        |         |         |         |        |         |         |         |
|--------|---------|---------|---------|--------|---------|---------|---------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00003 | -.00003 | -.01027 | .00015 | -.00012 | -.00031 | -.00051 |
| Stddev | .00001  | .00001  | .00831  | .00023 | .00006  | .00022  | .00036  |
| %RSD   | 36.798  | 35.314  | 80.888  | 152.02 | 51.392  | 71.685  | 69.913  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00005 | -.00004 | -.00850 | .00027  | -.00007 | -.00022 | -.00092 |
| #2 | -.00004 | -.00002 | -.00299 | .00029  | -.00019 | -.00015 | -.00026 |
| #3 | -.00002 | -.00003 | -.01932 | -.00011 | -.00010 | -.00057 | -.00036 |

|        |        |         |         |         |         |        |         |
|--------|--------|---------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00003 | -.04661 | -.00024 | -.00005 | -.10369 | .00026 | -.00068 |
| Stddev | .00007 | .04368  | .00021  | .00041  | .00883  | .00009 | .00001  |
| %RSD   | 229.83 | 93.727  | 88.336  | 811.57  | 8.5139  | 35.995 | 2.1414  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00010  | -.05466 | -.00039 | -.00002 | -.11386 | .00036 | -.00066 |
| #2 | -.00000 | .00054  | .00000  | .00034  | -.09920 | .00026 | -.00069 |
| #3 | -.00002 | -.08570 | -.00034 | -.00047 | -.09800 | .00017 | -.00068 |

|        |         |         |         |           |        |        |         |
|--------|---------|---------|---------|-----------|--------|--------|---------|
| Elem   | K_7664  | Mo2020  | B_2496  | S_1820    | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm     | ppm     | ppm     | ppm       | ppm    | ppm    | ppm     |
| Avg    | -.15310 | -.00005 | -.00044 | F -.01013 | .00456 | .00101 | -.00065 |
| Stddev | .04797  | .00015  | .00656  | .00121    | .00161 | .00053 | .00148  |
| %RSD   | 31.332  | 302.49  | 1490.3  | 11.929    | 35.280 | 52.686 | 227.37  |

|    |         |         |         |         |        |        |         |
|----|---------|---------|---------|---------|--------|--------|---------|
| #1 | -.18892 | .00013  | .00523  | -.00908 | .00461 | .00160 | .00076  |
| #2 | -.09860 | -.00016 | -.00762 | -.01145 | .00292 | .00056 | -.00219 |
| #3 | -.17178 | -.00012 | .00108  | -.00986 | .00613 | .00088 | -.00052 |

Sample Name: ICB01      Acquired: 5/10/2019 12:02:44      Type: Unk  
 Method: P4-ICP2(v3107)      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       | .00087 | -.0001 | .00003  | F 1.7570 | F 2.2487 |
| Stddev    | .00040 | .0006  | .00005  | .2452    | 1.4688   |
| %RSD      | 45.789 | 446.6  | 145.41  | 13.958   | 65.318   |
| #1        | .00123 | -.0008 | .00003  | 1.7254   | .75037   |
| #2        | .00044 | .0004  | .00008  | 2.0165   | 2.3096   |
| #3        | .00094 | -.0000 | -.00001 | 1.5291   | 3.6861   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 4225.2 | 51173. | 5172.6  | 75.372   | 4864.4   |
| Stddev    | 10.9   | 126.   | 42.6    | 1.190    | 7.3      |
| %RSD      | .25840 | .24671 | .82447  | 1.5792   | .15012   |
| #1        | 4214.0 | 51027. | 5132.6  | 75.992   | 4856.5   |
| #2        | 4235.8 | 51241. | 5167.7  | 74.000   | 4865.8   |
| #3        | 4225.8 | 51251. | 5217.5  | 76.125   | 4870.9   |

Sample Name: CRI01      Acquired: 5/10/2019 12:07:11      Type: Unk  
Method: P4-ICP2(v3107)      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 | Be2348   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02316   | .04386   | .01412 | .02090 | .05412 | .10669 | .10605 | .00650   |
| Stddev | .00284   | .00095   | .00055 | .00205 | .00078 | .00522 | .00085 | .00009   |
| %RSD   | 12.266   | 2.1560   | 3.9223 | 9.8118 | 1.4479 | 4.8911 | .79762 | 1.3572   |
| #1     | .02441   | .04345   | .01349 | .01925 | .05436 | .10424 | .10600 | .00658   |
| #2     | .01991   | .04319   | .01439 | .02320 | .05475 | .11268 | .10692 | .00641   |
| #3     | .02516   | .04495   | .01450 | .02026 | .05324 | .10315 | .10523 | .00652   |
| Elem   | Cd2265   | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00611   | 2.1576   | .01084 | .03076 | .02182 | .11705 | .02304 | 2.0890   |
| Stddev | .00008   | .0231    | .00012 | .00018 | .00027 | .00099 | .00013 | .0448    |
| %RSD   | 1.2713   | 1.0698   | 1.1359 | .58879 | 1.2574 | .84871 | .55868 | 2.1461   |
| #1     | .00606   | 2.1567   | .01069 | .03091 | .02164 | .11625 | .02291 | 2.1252   |
| #2     | .00620   | 2.1349   | .01091 | .03079 | .02169 | .11816 | .02317 | 2.1030   |
| #3     | .00606   | 2.1811   | .01090 | .03056 | .02214 | .11673 | .02304 | 2.0389   |
| Elem   | Ni2316   | Ag3280   | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04146   | .01109   | 2.0105 | .04278 | .04285 | 1.9260 | .21416 | .09856   |
| Stddev | .00019   | .00069   | .0111  | .00057 | .00015 | .0388  | .00013 | .00743   |
| %RSD   | .45383   | 6.2172   | .55091 | 1.3320 | .34946 | 2.0153 | .05991 | 7.5418   |
| #1     | .04153   | .01090   | 2.0205 | .04240 | .04273 | 1.9064 | .21417 | .09081   |
| #2     | .04125   | .01186   | 2.0126 | .04343 | .04302 | 1.9708 | .21402 | .10563   |
| #3     | .04161   | .01052   | 1.9986 | .04250 | .04279 | 1.9010 | .21428 | .09924   |
| Elem   | S_1820   | Si2881   | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .00859 | F .64125 | .04001 | .04123 | .01942 | .0200  | .02135 | F 1.9511 |
| Stddev | .00153   | .00398   | .00048 | .00149 | .00066 | .0019  | .00004 | .3636    |
| %RSD   | 17.760   | .62115   | 1.2091 | 3.6116 | 3.3734 | 9.313  | .19661 | 18.638   |
| #1     | .00765   | .64126   | .03966 | .04294 | .02017 | .0196  | .02140 | 1.5892   |
| #2     | .00777   | .64523   | .04056 | .04042 | .01914 | .0183  | .02132 | 1.9475   |
| #3     | .01035   | .63727   | .03980 | .04031 | .01896 | .0220  | .02132 | 2.3165   |

Sample Name: CRI01      Acquired: 5/10/2019 12:07:11      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.4010 |
| Stddev | 1.8891   |
| %RSD   | 55.547   |

|    |        |
|----|--------|
| #1 | 2.0501 |
| #2 | 2.5931 |
| #3 | 5.5597 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | ln2306 | ln2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4220.6 | 51209. | 5233.3 | 75.150 | 4817.1 |
| Stddev    | 7.8    | 109.   | 19.8   | 2.404  | 5.8    |
| %RSD      | .18449 | .21220 | .37797 | 3.1985 | .12022 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4225.2 | 51087. | 5210.9 | 73.092 | 4821.4 |
| #2 | 4224.9 | 51294. | 5240.6 | 77.792 | 4819.4 |
| #3 | 4211.6 | 51247. | 5248.3 | 74.567 | 4810.5 |

Sample Name: ICSA01      Acquired: 5/10/2019 12:11:36      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00500 | .01009 | -.00546 | -.01331 | .00072 | 270.20 | .00687 | .00161 |
| Stddev | .00276 | .00046 | .00076  | .00135  | .00204 | 1.24   | .00023 | .00021 |
| %RSD   | 55.266 | 4.5759 | 13.944  | 10.165  | 283.69 | .46032 | 3.3029 | 13.087 |

|    |        |        |         |         |         |        |        |        |
|----|--------|--------|---------|---------|---------|--------|--------|--------|
| #1 | .00420 | .01001 | -.00621 | -.01414 | .00004  | 269.09 | .00712 | .00141 |
| #2 | .00807 | .00968 | -.00549 | -.01175 | -.00089 | 271.54 | .00669 | .00160 |
| #3 | .00272 | .01059 | -.00468 | -.01403 | .00301  | 269.96 | .00679 | .00183 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00273 | 246.02 | .04741 | -.00046 | .00831 | 95.405 | .01453 | 270.71 |
| Stddev | .00019  | .99    | .00043 | .00010  | .00038 | .727   | .00003 | 2.13   |
| %RSD   | 6.8525  | .40189 | .91237 | 22.336  | 4.6291 | .76245 | .21948 | .78791 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00252 | 245.78 | .04744 | -.00041 | .00844 | 94.724 | .01454 | 269.89 |
| #2 | -.00288 | 247.11 | .04782 | -.00058 | .00861 | 96.171 | .01454 | 273.13 |
| #3 | -.00280 | 245.18 | .04696 | -.00039 | .00788 | 95.320 | .01449 | 269.11 |

|        |         |         |         |        |         |         |         |        |
|--------|---------|---------|---------|--------|---------|---------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00678 | -.00754 | -.05308 | .00205 | -.01247 | -.18560 | -.00304 | .07812 |
| Stddev | .00020  | .00082  | .01276  | .00075 | .00035  | .01559  | .00042  | .01813 |
| %RSD   | 2.9034  | 10.833  | 24.035  | 36.533 | 2.8219  | 8.3980  | 13.912  | 23.209 |

|    |         |         |         |        |         |         |         |        |
|----|---------|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00665 | -.00766 | -.06634 | .00144 | -.01210 | -.16868 | -.00347 | .06107 |
| #2 | -.00701 | -.00829 | -.05201 | .00288 | -.01279 | -.19937 | -.00302 | .09717 |
| #3 | -.00669 | -.00667 | -.04089 | .00182 | -.01253 | -.18874 | -.00263 | .07611 |

|        |         |         |        |         |        |         |         |        |
|--------|---------|---------|--------|---------|--------|---------|---------|--------|
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707 | P_1774  | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | -.00471 | -.00038 | .00789 | -.00362 | .01037 | F .0232 | -.00328 | 3.7908 |
| Stddev | .00128  | .00162  | .00079 | .00085  | .00215 | .0006   | .00108  | .1917  |
| %RSD   | 27.071  | 421.94  | 10.054 | 23.433  | 20.750 | 2.436   | 32.873  | 5.0580 |

|    |         |         |        |         |        |       |         |        |
|----|---------|---------|--------|---------|--------|-------|---------|--------|
| #1 | -.00594 | -.00078 | .00698 | -.00355 | .00804 | .0234 | -.00233 | 3.9819 |
| #2 | -.00481 | .00140  | .00830 | -.00281 | .01080 | .0226 | -.00445 | 3.5985 |
| #3 | -.00339 | -.00176 | .00839 | -.00450 | .01228 | .0237 | -.00306 | 3.7920 |

Sample Name: ICSA01      Acquired: 5/10/2019 12:11:36      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA01      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      1.4185  
 %RSD      1.6563

#1      -87.099  
 #2      -84.264  
 #3      -85.572

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3828.2 | 45761. | 5069.0 | 68.775 | 3918.3 |
| Stddev    | 6.7    | 204.   | 7.6    | .940   | 2.2    |
| %RSD      | .17500 | .44529 | .14954 | 1.3669 | .05617 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3835.8 | 45884. | 5069.2 | 67.715 | 3918.9 |
| #2 | 3823.3 | 45525. | 5061.4 | 69.505 | 3920.1 |
| #3 | 3825.3 | 45872. | 5076.5 | 69.106 | 3915.9 |

Sample Name: ICSAB01      Acquired: 5/10/2019 12:16:16      Type: Unk  
Method: P4-ICP2(v3107)      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    | .10943   | .11609   | .04844   | .04648   | .59603   | 261.74  | .51504   | .50535   |
| Stddev | .00163   | .00238   | .00060   | .00189   | .00638   | 1.25    | .00124   | .00410   |
| %RSD   | 1.4895   | 2.0498   | 1.2418   | 4.0646   | 1.0698   | .47803  | .24091   | .81186   |
| #1     | .10866   | .11579   | .04844   | .04467   | .59047   | 260.31  | .51365   | .50191   |
| #2     | .10833   | .11388   | .04785   | .04631   | .59463   | 262.25  | .51544   | .50425   |
| #3     | .11130   | .11861   | .04905   | .04844   | .60299   | 262.65  | .51604   | .50989   |
| Elem   | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404  | Mn2576   | Mg2790   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | .96518   | 239.53   | .52339   | .48124   | .48595   | 93.384  | .49106   | 264.16   |
| Stddev | .01157   | 1.25     | .00383   | .00681   | .00580   | .564    | .00312   | 1.61     |
| %RSD   | 1.1990   | .52305   | .73114   | 1.4142   | 1.1935   | .60448  | .63525   | .61029   |
| #1     | .95364   | 238.99   | .51955   | .47417   | .47980   | 93.106  | .48816   | 262.45   |
| #2     | .96511   | 238.65   | .52344   | .48180   | .48671   | 93.012  | .49066   | 264.40   |
| #3     | .97679   | 240.97   | .52720   | .48774   | .49133   | 94.033  | .49436   | 265.64   |
| Elem   | Ni2316   | Ag3280   | Na5895   | V_2924   | Zn2138   | K_7664  | Mo2020   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | .94369   | .19471   | -.02886  | .48809   | 1.0025   | -.15178 | F .35951 | F .45555 |
| Stddev | .01373   | .00063   | .01775   | .00242   | .0124    | .01017  | .00103   | .01445   |
| %RSD   | 1.4550   | .32346   | 61.519   | .49533   | 1.2357   | 6.6985  | .28726   | 3.1724   |
| #1     | .92886   | .19399   | -.04326  | .48565   | .98940   | -.16352 | .35869   | .43903   |
| #2     | .94627   | .19503   | -.03429  | .48813   | 1.0040   | -.14581 | .36067   | .46174   |
| #3     | .95595   | .19513   | -.00902  | .49048   | 1.0140   | -.14602 | .35916   | .46587   |
| Elem   | S_1820   | Si2881   | Sn1899   | Ti3361   | Li6707   | P_1774  | Sr4077   | U_3670   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     | ppm      | ppm      |
| Avg    | F .00361 | F .34021 | F .37180 | F .35948 | F .01492 | F .0285 | F .00216 | 4.1683   |
| Stddev | .00519   | .00487   | .00112   | .00246   | .00097   | .0035   | .00036   | .0607    |
| %RSD   | 143.85   | 1.4325   | .30197   | .68464   | 6.5181   | 12.14   | 16.826   | 1.4565   |
| #1     | -.00175  | .34583   | .37097   | .35922   | .01382   | .0307   | .00213   | 4.2226   |
| #2     | .00862   | .33756   | .37134   | .35716   | .01569   | .0302   | .00254   | 4.1028   |
| #3     | .00395   | .33723   | .37307   | .36207   | .01524   | .0245   | .00182   | 4.1796   |

Sample Name: ICSAB01      Acquired: 5/10/2019 12:16:16      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB01      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | .54855  |
| %RSD   | .64620  |

|    |         |
|----|---------|
| #1 | -85.393 |
| #2 | -84.304 |
| #3 | -84.965 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3855.5 | 46281. | 5119.1 | 69.697 | 3968.4 |
| Stddev    | 7.5    | 95.    | 21.9   | .859   | 1.5    |
| %RSD      | .19427 | .20537 | .42770 | 1.2327 | .03844 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3846.9 | 46386. | 5110.3 | 68.763 | 3967.2 |
| #2 | 3859.0 | 46254. | 5144.1 | 69.872 | 3968.0 |
| #3 | 3860.6 | 46201. | 5103.0 | 70.455 | 3970.1 |

Sample Name: CCV01      Acquired: 5/10/2019 12:20:42      Type: Unk  
Method: P4-ICP2(v3107)      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    | 4.8578 | 4.9109 | 4.8408 | 4.8715 | 4.8599 | 9.6342 | 9.6917 | .24525   |
| Stddev | .0043  | .0093  | .0095  | .0147  | .0095  | .0788  | .0724  | .00041   |
| %RSD   | .08955 | .18931 | .19630 | .30074 | .19461 | .81794 | .74728 | .16641   |
| #1     | 4.8625 | 4.9060 | 4.8506 | 4.8871 | 4.8658 | 9.6236 | 9.7319 | .24536   |
| #2     | 4.8571 | 4.9051 | 4.8317 | 4.8692 | 4.8649 | 9.5612 | 9.6080 | .24480   |
| #3     | 4.8539 | 4.9216 | 4.8401 | 4.8581 | 4.8490 | 9.7177 | 9.7351 | .24559   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4191 | 24.557 | .98415 | 2.4288 | 1.2268 | 4.9244 | 2.4882 | 24.394   |
| Stddev | .0042  | .064   | .00185 | .0023  | .0026  | .0018  | .0036  | .135     |
| %RSD   | .17241 | .25931 | .18766 | .09476 | .21021 | .03562 | .14264 | .55139   |
| #1     | 2.4234 | 24.491 | .98203 | 2.4301 | 1.2291 | 4.9254 | 2.4841 | 24.342   |
| #2     | 2.4189 | 24.618 | .98542 | 2.4301 | 1.2272 | 4.9224 | 2.4907 | 24.292   |
| #3     | 2.4151 | 24.563 | .98500 | 2.4261 | 1.2240 | 4.9254 | 2.4897 | 24.546   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4285 | 1.2244 | 24.256 | 2.4566 | 2.4217 | 24.155 | 4.9138 | 4.8316   |
| Stddev | .0032  | .0036  | .169   | .0022  | .0044  | .099   | .0066  | .0486    |
| %RSD   | .13176 | .29707 | .69824 | .08856 | .18104 | .40780 | .13394 | 1.0062   |
| #1     | 2.4311 | 1.2284 | 24.324 | 2.4560 | 2.4263 | 24.198 | 4.9202 | 4.8089   |
| #2     | 2.4294 | 1.2235 | 24.063 | 2.4590 | 2.4210 | 24.042 | 4.9141 | 4.7985   |
| #3     | 2.4249 | 1.2212 | 24.381 | 2.4547 | 2.4176 | 24.224 | 4.9070 | 4.8874   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8161 | 4.8520 | 4.8630 | 4.8963 | 4.8446 | 4.873  | 4.9149 | F 3.3702 |
| Stddev | .0219  | .0559  | .0072  | .0120  | .0416  | .013   | .0282  | .1386    |
| %RSD   | .45553 | 1.1517 | .14857 | .24480 | .85859 | .2589  | .57461 | 4.1139   |
| #1     | 4.8115 | 4.8388 | 4.8679 | 4.8917 | 4.8396 | 4.871  | 4.9166 | 3.2229   |
| #2     | 4.7968 | 4.9133 | 4.8547 | 4.9098 | 4.8884 | 4.861  | 4.9422 | 3.4982   |
| #3     | 4.8400 | 4.8039 | 4.8664 | 4.8872 | 4.8057 | 4.886  | 4.8858 | 3.3895   |

Sample Name: CCV01      Acquired: 5/10/2019 12:20:42      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.2819 |
| Stddev | 1.9522   |
| %RSD   | 45.593   |

|    |        |
|----|--------|
| #1 | 2.2130 |
| #2 | 6.0916 |
| #3 | 4.5411 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4123.4 | 49703. | 5202.5 | 73.456 | 4388.3 |
| Stddev    | 11.1   | 190.   | 58.2   | .934   | 8.8    |
| %RSD      | .27028 | .38290 | 1.1178 | 1.2708 | .20072 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4115.3 | 49487. | 5197.0 | 72.709 | 4380.7 |
| #2 | 4118.8 | 49847. | 5147.2 | 73.156 | 4386.2 |
| #3 | 4136.1 | 49774. | 5263.1 | 74.502 | 4397.9 |

Sample Name: LLCCV01      Acquired: 5/10/2019 12:42:37      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890   | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02164   | .04051 | .01152 | .01905 | .05090 | .09834 | .09970 | .00614   |
| Stddev | .00083   | .00108 | .00078 | .00237 | .00101 | .00632 | .00024 | .00002   |
| %RSD   | 3.8274   | 2.6665 | 6.7280 | 12.419 | 1.9925 | 6.4245 | .24477 | .27628   |
| #1     | .02115   | .04166 | .01214 | .02011 | .05194 | .10495 | .09950 | .00612   |
| #2     | .02116   | .04037 | .01065 | .01634 | .05085 | .09236 | .09997 | .00615   |
| #3     | .02259   | .03951 | .01178 | .02071 | .04992 | .09771 | .09964 | .00615   |
| Elem   | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00574   | 2.0310 | .01004 | .02824 | .02075 | .10426 | .02164 | 1.9540   |
| Stddev | .00003   | .0131  | .00019 | .00024 | .00028 | .00059 | .00022 | .0407    |
| %RSD   | .44332   | .64400 | 1.9122 | .83828 | 1.3313 | .56800 | .99355 | 2.0827   |
| #1     | .00573   | 2.0411 | .01008 | .02851 | .02084 | .10359 | .02140 | 1.9994   |
| #2     | .00573   | 2.0356 | .01020 | .02811 | .02097 | .10468 | .02179 | 1.9417   |
| #3     | .00577   | 2.0162 | .00983 | .02810 | .02044 | .10453 | .02175 | 1.9208   |
| Elem   | Ni2316   | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .03876   | .01045 | 1.8815 | .04000 | .03691 | 1.8443 | .20528 | .09396   |
| Stddev | .00017   | .00045 | .0169  | .00010 | .00014 | .0387  | .00035 | .00650   |
| %RSD   | .43854   | 4.3272 | .89602 | .24863 | .37902 | 2.0996 | .17227 | 6.9228   |
| #1     | .03863   | .00992 | 1.8836 | .04011 | .03701 | 1.8871 | .20533 | .09270   |
| #2     | .03895   | .01071 | 1.8637 | .03998 | .03675 | 1.8117 | .20561 | .10101   |
| #3     | .03871   | .01071 | 1.8972 | .03992 | .03696 | 1.8341 | .20491 | .08818   |
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .00953 | .40349 | .03651 | .03979 | .01785 | .0197  | .02040 | F 1.6087 |
| Stddev | .00195   | .00186 | .00005 | .00121 | .00125 | .0008  | .00011 | .1132    |
| %RSD   | 20.414   | .46034 | .12810 | 3.0417 | 7.0179 | 4.069  | .54433 | 7.0356   |
| #1     | .00731   | .40462 | .03653 | .04092 | .01664 | .0196  | .02028 | 1.5062   |
| #2     | .01093   | .40135 | .03654 | .03851 | .01914 | .0189  | .02044 | 1.5897   |
| #3     | .01036   | .40450 | .03645 | .03995 | .01777 | .0205  | .02049 | 1.7301   |

Sample Name: LLCCV01      Acquired: 5/10/2019 12:42:37      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 7.1544  
Stddev      .6974  
%RSD      9.7483

#1      7.7026  
#2      6.3694  
#3      7.3912

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4276.9 | 51830. | 5258.3 | 77.264 | 4899.1 |
| Stddev    | 7.8    | 144.   | 17.1   | 1.268  | 7.0    |
| %RSD      | .18291 | .27758 | .32466 | 1.6414 | .14308 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4268.3 | 51791. | 5243.7 | 77.192 | 4892.7 |
| #2 | 4279.0 | 51709. | 5254.1 | 76.033 | 4898.1 |
| #3 | 4283.5 | 51989. | 5277.1 | 78.567 | 4906.6 |

Sample Name: CCB01      Acquired: 5/10/2019 12:47:03      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00246 | -.00057 | -.00090 | -.00062 | .00327 | -.00900 | .00044 |
| Stddev | .00157 | .00152  | .00062  | .00160  | .00104 | .01716  | .00034 |
| %RSD   | 63.912 | 264.76  | 69.084  | 257.94  | 31.794 | 190.60  | 77.489 |

|    |        |         |         |         |        |         |        |
|----|--------|---------|---------|---------|--------|---------|--------|
| #1 | .00181 | .00105  | -.00095 | -.00244 | .00367 | -.00724 | .00007 |
| #2 | .00424 | -.00196 | -.00149 | .00056  | .00209 | -.02697 | .00074 |
| #3 | .00131 | -.00081 | -.00025 | .00002  | .00406 | .00721  | .00049 |

|        |         |         |         |        |        |         |        |
|--------|---------|---------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00004 | -.00001 | -.01814 | .00011 | .00005 | -.00058 | .00002 |
| Stddev | .00001  | .00005  | .01272  | .00021 | .00006 | .00044  | .00096 |
| %RSD   | 27.816  | 318.48  | 70.084  | 194.60 | 105.50 | 75.738  | 3934.2 |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.00005 | .00002  | -.00992 | .00004  | .00011 | -.00033 | -.00064 |
| #2 | -.00005 | -.00007 | -.03279 | -.00006 | .00004 | -.00033 | -.00041 |
| #3 | -.00003 | .00000  | -.01172 | .00035  | .00000 | -.00109 | .00113  |

|        |        |        |         |         |         |        |         |
|--------|--------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | .00001 | .02234 | -.00039 | -.00002 | -.12319 | .00016 | -.00085 |
| Stddev | .00005 | .02062 | .00020  | .00035  | .00440  | .00051 | .00002  |
| %RSD   | 438.05 | 92.294 | 50.552  | 1568.2  | 3.5686  | 308.61 | 2.5992  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | .00000  | .00051 | -.00059 | .00038  | -.12236 | -.00042 | -.00087 |
| #2 | .00007  | .02503 | -.00041 | -.00022 | -.12795 | .00047  | -.00083 |
| #3 | -.00004 | .04149 | -.00019 | -.00023 | -.11927 | .00044  | -.00085 |

|        |         |        |        |           |        |         |        |
|--------|---------|--------|--------|-----------|--------|---------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm       | ppm    | ppm     | ppm    |
| Avg    | -.13541 | .00006 | .00038 | F -.01161 | .00152 | -.00065 | .00071 |
| Stddev | .02748  | .00031 | .00962 | .00129    | .00078 | .00038  | .00121 |
| %RSD   | 20.295  | 493.99 | 2508.5 | 11.115    | 51.455 | 59.089  | 169.53 |

|    |         |         |         |         |        |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|
| #1 | -.12516 | .00002  | -.00938 | -.01022 | .00062 | -.00030 | .00018  |
| #2 | -.11453 | -.00022 | .00986  | -.01184 | .00194 | -.00058 | .00209  |
| #3 | -.16655 | .00039  | .00067  | -.01278 | .00200 | -.00106 | -.00014 |

Sample Name: CCB01      Acquired: 5/10/2019 12:47:03      Type: Unk  
 Method: P4-ICP2(v3107)      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       | -.00157 | .0004  | .00003  | F 2.3226 | F 4.6486 |
| Stddev    | .00079  | .0005  | .00004  | .1349    | 2.1523   |
| %RSD      | 50.468  | 133.7  | 125.18  | 5.8061   | 46.300   |
| #1        | -.00143 | .0009  | .00004  | 2.3493   | 5.1691   |
| #2        | -.00242 | -.0002 | -.00001 | 2.4420   | 6.4930   |
| #3        | -.00086 | .0005  | .00007  | 2.1763   | 2.2838   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 4215.2  | 51118. | 5188.8  | 73.047   | 4842.3   |
| Stddev    | 4.1     | 74.    | 12.7    | .847     | 5.9      |
| %RSD      | .09690  | .14418 | .24487  | 1.1589   | .12103   |
| #1        | 4217.9  | 51106. | 5195.8  | 72.300   | 4846.9   |
| #2        | 4210.5  | 51197. | 5196.5  | 73.967   | 4835.7   |
| #3        | 4217.3  | 51051. | 5174.2  | 72.875   | 4844.2   |

Sample Name: K2789-01      Acquired: 5/10/2019 13:49:28      Type: Unk  
Method: P4-ICP2(v3107)      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    | -.00153  | -.00082 | .00465  | .00050  | .00377 | .20962 | .02853 | .00007 |
| Stddev | .00173   | .00078  | .00049  | .00085  | .00198 | .00265 | .00090 | .00006 |
| %RSD   | 112.79   | 94.707  | 10.429  | 170.74  | 52.368 | 1.2658 | 3.1673 | 86.457 |
| #1     | -.00340  | -.00115 | .00410  | -.00045 | .00279 | .21119 | .02924 | .00013 |
| #2     | .00001   | .00007  | .00486  | .00118  | .00605 | .21112 | .02884 | .00002 |
| #3     | -.00120  | -.00138 | .00501  | .00076  | .00248 | .20656 | .02752 | .00005 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00022   | 18.915  | .00471  | .00040  | .30038 | .51253 | .01264 | 6.1195 |
| Stddev | .00016   | .820    | .00052  | .00029  | .00101 | .00692 | .00011 | .1425  |
| %RSD   | 71.677   | 4.3371  | 11.117  | 72.134  | .33478 | 1.3506 | .87942 | 2.3293 |
| #1     | .00013   | 19.846  | .00528  | .00038  | .30151 | .50481 | .01251 | 6.2802 |
| #2     | .00040   | 18.296  | .00425  | .00069  | .29960 | .51460 | .01272 | 6.0086 |
| #3     | .00012   | 18.604  | .00460  | .00012  | .30002 | .51818 | .01269 | 6.0695 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00403   | .00009  | 165.06  | .00072  | .18441 | 2.1896 | .00152 | .04394 |
| Stddev | .00023   | .00034  | 1.30    | .00012  | .00243 | .0403  | .00052 | .00874 |
| %RSD   | 5.7452   | 385.39  | .78959  | 16.009  | 1.3188 | 1.8414 | 34.189 | 19.880 |
| #1     | .00378   | .00046  | 166.55  | .00077  | .18695 | 2.2342 | .00121 | .05248 |
| #2     | .00405   | .00003  | 164.52  | .00059  | .18419 | 2.1786 | .00212 | .03502 |
| #3     | .00425   | -.00022 | 164.12  | .00080  | .18210 | 2.1559 | .00124 | .04432 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 37.297 | 6.2008  | -.01369 | .01446  | .00289 | 1.718  | .07747 | 3.1019 |
| Stddev | .099     | .2276   | .00038  | .00200  | .00160 | .010   | .00376 | .0589  |
| %RSD   | .26551   | 3.6713  | 2.7898  | 13.863  | 55.452 | .5846  | 4.8522 | 1.8985 |
| #1     | 37.192   | 6.4526  | -.01333 | .01536  | .00147 | 1.723  | .08179 | 3.0476 |
| #2     | 37.309   | 6.0096  | -.01409 | .01216  | .00257 | 1.706  | .07492 | 3.0935 |
| #3     | 37.389   | 6.1403  | -.01367 | .01586  | .00462 | 1.724  | .07571 | 3.1645 |

Sample Name: K2789-01      Acquired: 5/10/2019 13:49:28      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.783 |
| Stddev | 2.591  |
| %RSD   | 21.987 |

|    |        |
|----|--------|
| #1 | 14.213 |
| #2 | 9.0569 |
| #3 | 12.078 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3968.8 | 47658. | 5026.2 | 70.365 | 4260.8 |
| Stddev    | 1.4    | 243.   | 160.2  | .905   | 8.5    |
| %RSD      | .03606 | .51039 | 3.1881 | 1.2860 | .19899 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3967.2 | 47877. | 4845.2 | 69.339 | 4263.3 |
| #2 | 3969.5 | 47396. | 5150.1 | 70.704 | 4267.8 |
| #3 | 3969.8 | 47700. | 5083.2 | 71.051 | 4251.4 |

Sample Name: K2789-02      Acquired: 5/10/2019 13:53:50      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00261   | -.00928 | .00511   | .00315  | .00257 | .27770 | .07367 | .00008 |
| Stddev | .00173   | .00256  | .00126   | .00210  | .00131 | .01073 | .00046 | .00006 |
| %RSD   | 66.413   | 27.613  | 24.647   | 66.638  | 51.159 | 3.8631 | .62005 | 74.888 |
| #1     | .00264   | -.00632 | .00365   | .00083  | .00396 | .28899 | .07366 | .00011 |
| #2     | .00433   | -.01075 | .00584   | .00492  | .00135 | .27649 | .07414 | .00001 |
| #3     | .00086   | -.01076 | .00583   | .00369  | .00240 | .26764 | .07322 | .00013 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00111   | 40.012  | .01084   | .00002  | .32338 | .82352 | .01181 | 12.132 |
| Stddev | .00003   | .142    | .00050   | .00032  | .00063 | .00961 | .00004 | .050   |
| %RSD   | 2.9200   | .35495  | 4.5701   | 2143.1  | .19439 | 1.1669 | .34261 | .41449 |
| #1     | .00114   | 39.883  | .01047   | -.00008 | .32411 | .81340 | .01186 | 12.077 |
| #2     | .00113   | 39.988  | .01140   | .00038  | .32306 | .82463 | .01178 | 12.145 |
| #3     | .00108   | 40.164  | .01064   | -.00025 | .32298 | .83252 | .01179 | 12.175 |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00739   | .00005  | F 2193.3 | .00045  | .34719 | 4.3635 | .00077 | .09944 |
| Stddev | .00029   | .00038  | 23.0     | .00008  | .00030 | .0534  | .00035 | .01095 |
| %RSD   | 3.9576   | 693.33  | 1.0487   | 19.039  | .08721 | 1.2249 | 45.681 | 11.014 |
| #1     | .00771   | -.00021 | 2217.3   | .00035  | .34720 | 4.3028 | .00039 | .09087 |
| #2     | .00733   | -.00011 | 2171.4   | .00049  | .34748 | 4.3844 | .00086 | .09566 |
| #3     | .00714   | .00049  | 2191.2   | .00049  | .34688 | 4.4034 | .00108 | .11178 |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 51.648 | 4.8742  | -.01650  | .03501  | .06243 | 1.404  | .17426 | 6.8613 |
| Stddev | .092     | .0302   | .00111   | .00071  | .00220 | .002   | .00049 | .1276  |
| %RSD   | .17791   | .62017  | 6.7033   | 2.0246  | 3.5172 | .1711  | .27926 | 1.8599 |
| #1     | 51.550   | 4.8739  | -.01639  | .03420  | .05991 | 1.402  | .17399 | 6.8755 |
| #2     | 51.661   | 4.8440  | -.01545  | .03530  | .06392 | 1.404  | .17398 | 6.9813 |
| #3     | 51.733   | 4.9045  | -.01765  | .03552  | .06346 | 1.406  | .17482 | 6.7272 |

Sample Name: K2789-02      Acquired: 5/10/2019 13:53:50      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 23.158 |
| Stddev | 4.461  |
| %RSD   | 19.262 |

|    |        |
|----|--------|
| #1 | 21.248 |
| #2 | 19.971 |
| #3 | 28.256 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3528.2 | 41096. | 4975.2 | 68.508 | 3502.2 |
| Stddev    | 6.2    | 7.     | 11.2   | 1.311  | 4.2    |
| %RSD      | .17456 | .01596 | .22433 | 1.9138 | .11855 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3530.8 | 41090. | 4965.6 | 69.975 | 3505.1 |
| #2 | 3521.2 | 41103. | 4987.4 | 67.450 | 3497.4 |
| #3 | 3532.7 | 41094. | 4972.5 | 68.100 | 3504.0 |

Sample Name: K2803-01      Acquired: 5/10/2019 13:58:22      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00538 | .00259 | .00679 | -.00070 | -.00147 | .12302 | .38869 | .00014 |
| Stddev | .00311 | .00093 | .00025 | .00326  | .00068  | .00714 | .00371 | .00010 |
| %RSD   | 57.813 | 35.938 | 3.6168 | 462.47  | 45.885  | 5.8077 | .95550 | 70.521 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00519 | .00207 | .00701 | -.00440 | -.00224 | .12216 | .38446 | .00025 |
| #2 | .00237 | .00204 | .00652 | .00053  | -.00098 | .13055 | .39141 | .00013 |
| #3 | .00858 | .00366 | .00684 | .00176  | -.00119 | .11634 | .39020 | .00005 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | 286.16 | -.00068 | -.00031 | .00239 | -.00772 | .00053 | 110.56 |
| Stddev | .00002  | 1.30   | .00028  | .00024  | .00029 | .00107  | .00004 | 1.07   |
| %RSD   | 74.172  | .45448 | 40.243  | 77.678  | 12.002 | 13.902  | 6.9606 | .96841 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00001 | 286.87 | -.00038 | -.00004 | .00269 | -.00665 | .00056 | 109.48 |
| #2 | -.00004 | 284.66 | -.00076 | -.00049 | .00212 | -.00771 | .00053 | 111.62 |
| #3 | -.00006 | 286.95 | -.00092 | -.00042 | .00235 | -.00880 | .00049 | 110.58 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00260 | -.00264 | 1231.0 | .00076 | .11709 | 46.704 | .21651 | .49869 |
| Stddev | .00053  | .00029  | 11.6   | .00019 | .00019 | .416   | .00087 | .00347 |
| %RSD   | 20.241  | 10.781  | .94382 | 24.674 | .15931 | .89107 | .40084 | .69573 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00316 | -.00290 | 1235.8 | .00068 | .11692 | 46.233 | .21568 | .49781 |
| #2 | -.00251 | -.00234 | 1217.7 | .00097 | .11729 | 47.022 | .21643 | .50252 |
| #3 | -.00212 | -.00269 | 1239.4 | .00062 | .11705 | 46.856 | .21741 | .49575 |

|        |          |          |         |         |        |        |        |        |
|--------|----------|----------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 97.875 | F 13.228 | -.03556 | -.00932 | .03165 | .0446  | 1.8585 | 6.0539 |
| Stddev | .273     | .156     | .00062  | .00248  | .00039 | .0023  | .0076  | .1592  |
| %RSD   | .27934   | 1.1788   | 1.7506  | 26.616  | 1.2327 | 5.066  | .40861 | 2.6300 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 98.041 | 13.390 | -.03492 | -.01182 | .03134 | .0458 | 1.8647 | 6.1582 |
| #2 | 98.025 | 13.079 | -.03616 | -.00686 | .03209 | .0459 | 1.8500 | 6.1329 |
| #3 | 97.560 | 13.217 | -.03560 | -.00928 | .03151 | .0419 | 1.8607 | 5.8706 |

Sample Name: K2803-01      Acquired: 5/10/2019 13:58:22      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 30.662 |
| Stddev | .369   |
| %RSD   | 1.2049 |

|    |        |
|----|--------|
| #1 | 30.697 |
| #2 | 31.013 |
| #3 | 30.276 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3565.0 | 42139. | 4915.8 | 69.429 | 3624.1 |
| Stddev    | 12.4   | 67.    | 45.1   | .582   | 12.7   |
| %RSD      | .34770 | .15844 | .91751 | .83868 | .35106 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3557.6 | 42213. | 4867.1 | 70.045 | 3617.7 |
| #2 | 3558.1 | 42083. | 4956.1 | 68.887 | 3615.8 |
| #3 | 3579.3 | 42121. | 4924.2 | 69.356 | 3638.7 |

Sample Name: PB119609BL      Acquired: 5/10/2019 14:02:52      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00184 | -.00066 | -.00126 | -.00169 | .00059 | -.00622 | .00064 | -.00008 |
| Stddev | .00175 | .00072  | .00070  | .00227  | .00110 | .00557  | .00028 | .00009  |
| %RSD   | 94.940 | 108.70  | 55.693  | 134.29  | 186.71 | 89.549  | 43.205 | 111.32  |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00343  | -.00120 | -.00050 | -.00303 | .00150  | -.00647 | .00060 | -.00000 |
| #2 | -.00003 | -.00094 | -.00188 | -.00298 | -.00063 | -.00053 | .00038 | -.00018 |
| #3 | .00213  | .00016  | -.00141 | .00093  | .00089  | -.01167 | .00093 | -.00006 |

|        |         |        |         |        |         |         |         |        |
|--------|---------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00003 | .00193 | -.00028 | .00010 | -.00074 | -.00014 | -.00007 | .00397 |
| Stddev | .00006  | .00712 | .00035  | .00012 | .00045  | .00030  | .00003  | .06124 |
| %RSD   | 181.34  | 369.85 | 127.00  | 114.22 | 59.926  | 212.53  | 43.624  | 1543.0 |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | -.00006 | -.00249 | .00010  | .00019  | -.00026 | .00019  | -.00006 | -.06630 |
| #2 | .00004  | -.00188 | -.00033 | .00014  | -.00082 | -.00024 | -.00010 | .03216  |
| #3 | -.00008 | .01014  | -.00060 | -.00003 | -.00115 | -.00038 | -.00004 | .04604  |

|        |        |         |        |         |         |        |        |         |
|--------|--------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00016 | -.00049 | 1.3750 | -.00012 | -.00078 | .37728 | .00013 | -.00212 |
| Stddev | .00027 | .00052  | .1695  | .00033  | .00007  | .06076 | .00027 | .01202  |
| %RSD   | 163.20 | 105.36  | 12.326 | 285.88  | 8.4045  | 16.104 | 205.30 | 567.83  |

|    |         |         |        |         |         |        |         |         |
|----|---------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00043  | -.00013 | 1.5387 | .00024  | -.00081 | .43086 | .00042  | -.00613 |
| #2 | -.00011 | -.00026 | 1.3861 | -.00018 | -.00071 | .38971 | -.00011 | -.01161 |
| #3 | .00017  | -.00108 | 1.2003 | -.00041 | -.00083 | .31127 | .00009  | .01140  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05701 | .00340 | -.00130 | -.00199 | .00973 | .0013  | .00015 | 1.7885 |
| Stddev | .01004 | .00033 | .00067  | .00278  | .00133 | .0013  | .00004 | .1019  |
| %RSD   | 17.615 | 9.6305 | 51.420  | 139.63  | 13.710 | 105.7  | 26.484 | 5.6984 |

|    |        |        |         |         |        |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|--------|
| #1 | .06545 | .00331 | -.00208 | -.00296 | .01122 | .0021  | .00020 | 1.7037 |
| #2 | .05968 | .00377 | -.00092 | -.00416 | .00863 | .0020  | .00015 | 1.9016 |
| #3 | .04590 | .00313 | -.00091 | .00114  | .00935 | -.0003 | .00012 | 1.7602 |

Sample Name: PB119609BL      Acquired: 5/10/2019 14:02:52      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      .09753  
Stddev      1.2528  
%RSD      1284.6

#1      -.20785  
#2      -.97438  
#3      1.4748

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4230.8 | 51167. | 5206.3 | 75.278 | 4851.0 |
| Stddev    | 8.3    | 94.    | 16.7   | 3.411  | 8.1    |
| %RSD      | .19516 | .18310 | .32114 | 4.5314 | .16691 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4221.4 | 51085. | 5192.3 | 78.208 | 4841.7 |
| #2 | 4236.7 | 51269. | 5201.8 | 71.533 | 4855.8 |
| #3 | 4234.4 | 51148. | 5224.8 | 76.092 | 4855.7 |

Sample Name: PB119609BS      Acquired: 5/10/2019 14:07:19      Type: Unk  
Method: P4-ICP2(v3107)      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    | .72312 | 1.9024 | .91456 | 1.8426 | .73720 | 1.8582 | .19305 |
| Stddev | .00721 | .0052  | .00138 | .0049  | .00181 | .0182  | .00069 |
| %RSD   | .99710 | .27345 | .15070 | .26458 | .24552 | .98038 | .35529 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73144 | 1.9081 | .91585 | 1.8391 | .73878 | 1.8536 | .19289 |
| #2 | .71867 | 1.8979 | .91472 | 1.8482 | .73759 | 1.8427 | .19380 |
| #3 | .71924 | 1.9012 | .91311 | 1.8406 | .73522 | 1.8783 | .19246 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .17882 | .18096 | .99165 | .39895 | .18810 | .29683 | 2.9733 |
| Stddev | .00037 | .00040 | .01053 | .00139 | .00016 | .00065 | .0046  |
| %RSD   | .20530 | .22139 | 1.0619 | .34780 | .08451 | .22022 | .15422 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .17870 | .18138 | .99160 | .39735 | .18812 | .29751 | 2.9707 |
| #2 | .17924 | .18059 | .98115 | .39981 | .18793 | .29621 | 2.9786 |
| #3 | .17854 | .18090 | 1.0022 | .39969 | .18824 | .29675 | 2.9706 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19857 | 1.8639 | .47194 | .06762 | 3.0614 | .29792 | .17401 |
| Stddev | .00044 | .0877  | .00112 | .00051 | .0314  | .00140 | .00074 |
| %RSD   | .22299 | 4.7045 | .23733 | .75662 | 1.0262 | .46891 | .42270 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19899 | 1.8737 | .47323 | .06784 | 3.0941 | .29747 | .17483 |
| #2 | .19861 | 1.7717 | .47138 | .06704 | 3.0586 | .29948 | .17379 |
| #3 | .19811 | 1.9462 | .47121 | .06799 | 3.0315 | .29680 | .17341 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.5098 | .39512 | .28362 | F .02637 | .86423 | .62871 | .19001 |
| Stddev | .0199  | .00134 | .01003 | .00629   | .00617 | .00226 | .00194 |
| %RSD   | .20975 | .33921 | 3.5348 | 23.870   | .71415 | .35986 | 1.0188 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.5256 | .39601 | .27361 | .03174 | .87097 | .63128 | .19143 |
| #2 | 9.5164 | .39358 | .29366 | .02793 | .86284 | .62702 | .18781 |
| #3 | 9.4874 | .39577 | .28360 | .01944 | .85886 | .62782 | .19080 |

Sample Name: PB119609BS      Acquired: 5/10/2019 14:07:19      Type: Unk  
Method: P4-ICP2(v3107)      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    | .19476 | 5.058  | .19361 | F 1.8418 | F<.00000 |
| Stddev | .00159 | .009   | .00042 | .1902    | 2.4911   |
| %RSD   | .81488 | .1742  | .21559 | 10.329   | 19.174   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19390 | 5.064 | .19316 | 1.6232 | -10.499 |
| #2 | .19378 | 5.061 | .19369 | 1.9326 | -15.482 |
| #3 | .19659 | 5.048 | .19398 | 1.9696 | -12.995 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4220.8 | 51381. | 5229.4 | 74.169 | 4782.2 |
| Stddev    | 10.9   | 162.   | 3.1    | .771   | 14.1   |
| %RSD      | .25827 | .31487 | .05878 | 1.0390 | .29522 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4208.4 | 51225. | 5228.8 | 74.683 | 4767.7 |
| #2 | 4225.3 | 51369. | 5232.7 | 74.542 | 4782.8 |
| #3 | 4228.7 | 51548. | 5226.7 | 73.283 | 4796.0 |

Sample Name: PB119610BL      Acquired: 5/10/2019 14:11:25      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00129   | .00045  | -.00001 | -.00030 | .00252  | -.00650 | .00070  | .00001   |
| Stddev | .00215   | .00056  | .00058  | .00133  | .00073  | .00840  | .00034  | .00005   |
| %RSD   | 167.29   | 123.08  | 10167.  | 440.74  | 28.963  | 129.14  | 48.168  | 854.63   |
| #1     | -.00120  | .00096  | -.00035 | -.00167 | .00229  | -.01327 | .00100  | -.00003  |
| #2     | .00265   | .00054  | -.00033 | -.00020 | .00193  | .00290  | .00033  | .00007   |
| #3     | .00241   | -.00014 | .00067  | .00097  | .00333  | -.00914 | .00078  | -.00002  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000   | -.01231 | .00011  | -.00001 | -.00058 | -.00002 | -.00000 | -.00333  |
| Stddev | .00006   | .01048  | .00023  | .00006  | .00060  | .00017  | .00002  | .02015   |
| %RSD   | 5650.0   | 85.109  | 206.85  | 701.98  | 104.33  | 1052.6  | 1586.6  | 605.17   |
| #1     | -.00006  | -.01142 | -.00009 | .00005  | -.00127 | -.00010 | -.00001 | .01993   |
| #2     | .00001   | -.00231 | .00037  | -.00008 | -.00026 | .00018  | -.00001 | -.01533  |
| #3     | .00005   | -.02321 | .00006  | .00000  | -.00020 | -.00013 | .00002  | -.01459  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00006  | .00007  | .13020  | .00013  | -.00090 | -.09594 | -.00003 | .00424   |
| Stddev | .00039   | .00027  | .01627  | .00017  | .00006  | .01292  | .00018  | .00237   |
| %RSD   | 610.99   | 378.27  | 12.500  | 131.21  | 6.3116  | 13.468  | 621.47  | 55.962   |
| #1     | .00008   | -.00016 | .14003  | .00025  | -.00095 | -.10407 | .00010  | .00647   |
| #2     | -.00050  | .00037  | .13916  | .00020  | -.00084 | -.08104 | -.00024 | .00450   |
| #3     | .00023   | .00001  | .11141  | -.00006 | -.00090 | -.10270 | .00005  | .00175   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00537 | .00161  | -.00166 | -.00101 | .00217  | .0026   | .00007  | F 1.7507 |
| Stddev | .00130   | .00095  | .00047  | .00147  | .00077  | .0009   | .00002  | .1673    |
| %RSD   | 24.219   | 59.020  | 28.317  | 144.87  | 35.324  | 32.33   | 31.810  | 9.5536   |
| #1     | .00614   | .00051  | -.00197 | -.00138 | .00291  | .0031   | .00009  | 1.6325   |
| #2     | .00611   | .00217  | -.00190 | .00060  | .00138  | .0017   | .00005  | 1.6775   |
| #3     | .00387   | .00216  | -.00112 | -.00226 | .00222  | .0032   | .00008  | 1.9421   |

Sample Name: PB119610BL      Acquired: 5/10/2019 14:11:25      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.6516 |
| Stddev | 2.5090   |
| %RSD   | 151.91   |

|    |         |
|----|---------|
| #1 | 3.5290  |
| #2 | -1.1980 |
| #3 | 2.6238  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4268.2 | 51574. | 5219.5 | 75.781 | 4881.5 |
| Stddev    | 6.2    | 105.   | 14.3   | 2.600  | 5.0    |
| %RSD      | .14607 | .20352 | .27402 | 3.4306 | .10232 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4261.0 | 51605. | 5203.1 | 75.617 | 4881.7 |
| #2 | 4272.0 | 51458. | 5229.3 | 78.458 | 4876.5 |
| #3 | 4271.6 | 51661. | 5226.1 | 73.267 | 4886.5 |

Sample Name: PB119610BS      Acquired: 5/10/2019 14:15:52      Type: Unk  
Method: P4-ICP2(v3107)      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    | .75103 | 1.9722 | .94855 | 1.9166 | .76682 | 1.8958 | .19703 |
| Stddev | .00141 | .0028  | .00154 | .0026  | .00071 | .0201  | .00139 |
| %RSD   | .18720 | .14259 | .16209 | .13442 | .09322 | 1.0605 | .70343 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75237 | 1.9744 | .94941 | 1.9168 | .76740 | 1.8820 | .19552 |
| #2 | .74957 | 1.9690 | .94948 | 1.9140 | .76703 | 1.9188 | .19733 |
| #3 | .75116 | 1.9731 | .94678 | 1.9191 | .76602 | 1.8864 | .19825 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18537 | .18855 | 1.0507 | .41214 | .19510 | .30774 | 3.0932 |
| Stddev | .00111 | .00002 | .0080  | .00032 | .00023 | .00016 | .0108  |
| %RSD   | .59767 | .01293 | .76644 | .07735 | .11619 | .05327 | .35009 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18430 | .18858 | 1.0595 | .41227 | .19483 | .30792 | 3.0807 |
| #2 | .18651 | .18854 | 1.0437 | .41237 | .19523 | .30768 | 3.0987 |
| #3 | .18530 | .18854 | 1.0490 | .41178 | .19523 | .30761 | 3.1001 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20558 | 1.9008 | .49186 | .06928 | 2.9903 | .31062 | .18668 |
| Stddev | .00003 | .0607  | .00069 | .00018 | .0286  | .00084 | .00042 |
| %RSD   | .01605 | 3.1906 | .14126 | .26200 | .95678 | .26999 | .22311 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20555 | 1.8584 | .49179 | .06939 | 2.9580 | .30967 | .18625 |
| #2 | .20557 | 1.8737 | .49120 | .06907 | 3.0126 | .31093 | .18673 |
| #3 | .20561 | 1.9702 | .49259 | .06939 | 3.0003 | .31126 | .18708 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.7595 | .41438 | .28411 | F .04899 | .89617 | .65498 | .19844 |
| Stddev | .0705  | .00105 | .00635 | .00182   | .01147 | .00256 | .00120 |
| %RSD   | .72261 | .25360 | 2.2362 | 3.7055   | 1.2793 | .39027 | .60350 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.6876 | .41326 | .28129 | .04847 | .90816 | .65693 | .19811 |
| #2 | 9.8286 | .41534 | .29138 | .04749 | .88531 | .65208 | .19744 |
| #3 | 9.7622 | .41455 | .27965 | .05101 | .89505 | .65592 | .19977 |

Sample Name: PB119610BS      Acquired: 5/10/2019 14:15:52      Type: Unk  
Method: P4-ICP2(v3107)      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    | .20185 | 5.261  | .20062 | F 1.7664 | F<.00000 |
| Stddev | .00032 | .007   | .00090 | .2645    | 1.1516   |
| %RSD   | .15905 | .1257  | .44966 | 14.973   | 8.1729   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20212 | 5.255 | .20133 | 1.4803 | -14.573 |
| #2 | .20150 | 5.259 | .19960 | 1.8172 | -12.776 |
| #3 | .20194 | 5.268 | .20091 | 2.0019 | -14.923 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4237.4 | 51880. | 5202.2 | 76.508 | 4791.9 |
| Stddev    | 10.9   | 309.   | 28.3   | .925   | 11.5   |
| %RSD      | .25648 | .59650 | .54327 | 1.2096 | .23993 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4228.0 | 51870. | 5175.7 | 76.542 | 4781.0 |
| #2 | 4234.9 | 51576. | 5199.0 | 75.567 | 4790.8 |
| #3 | 4249.3 | 52195. | 5231.9 | 77.417 | 4803.9 |

Sample Name: PB119628BL      Acquired: 5/10/2019 14:19:59      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00114  | .00080  | -.00118 | .00002  | .00124  | -.00210 | .00044  | .00002   |
| Stddev | .00169  | .00136  | .00026  | .00074  | .00122  | .00667  | .00004  | .00005   |
| %RSD   | 147.53  | 170.17  | 21.866  | 3403.1  | 98.672  | 316.81  | 9.9651  | 259.76   |
| #1     | -.00008 | .00156  | -.00133 | .00008  | .00227  | -.00206 | .00039  | -.00004  |
| #2     | .00044  | .00161  | -.00132 | .00073  | -.00011 | .00454  | .00045  | .00004   |
| #3     | .00307  | -.00077 | -.00088 | -.00075 | .00155  | -.00879 | .00047  | .00006   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000  | -.00897 | .00007  | -.00005 | -.00088 | -.00023 | -.00002 | -.03740  |
| Stddev | .00008  | .00698  | .00021  | .00016  | .00011  | .00023  | .00004  | .03390   |
| %RSD   | 2620.5  | 77.797  | 295.90  | 318.52  | 12.644  | 97.143  | 211.30  | 90.637   |
| #1     | .00008  | -.00113 | .00018  | -.00017 | -.00076 | -.00022 | -.00006 | -.06868  |
| #2     | -.00009 | -.01450 | .00020  | .00014  | -.00097 | -.00001 | -.00001 | -.00139  |
| #3     | .00002  | -.01128 | -.00017 | -.00012 | -.00092 | -.00047 | .00002  | -.04213  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00026  | .00003  | .00080  | .00002  | -.00099 | -.15766 | .00006  | .00118   |
| Stddev | .00027  | .00054  | .00187  | .00009  | .00003  | .00572  | .00037  | .00555   |
| %RSD   | 101.40  | 1870.0  | 232.84  | 409.25  | 3.4875  | 3.6311  | 591.21  | 471.97   |
| #1     | .00011  | -.00033 | .00280  | -.00008 | -.00103 | -.15441 | -.00035 | .00079   |
| #2     | .00057  | -.00023 | .00054  | .00005  | -.00096 | -.15429 | .00036  | .00691   |
| #3     | .00010  | .00065  | -.00092 | .00010  | -.00099 | -.16427 | .00018  | -.00417  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00044 | -.00051 | -.00169 | .00059  | -.00059 | .0016   | .00007  | F 1.1781 |
| Stddev | .00055  | .00261  | .00031  | .00195  | .00092  | .0002   | .00004  | .1894    |
| %RSD   | 124.83  | 512.26  | 18.378  | 330.27  | 155.25  | 13.58   | 48.178  | 16.074   |
| #1     | .00011  | .00012  | -.00177 | .00208  | -.00100 | .0017   | .00010  | .98766   |
| #2     | -.00044 | .00173  | -.00135 | .00130  | -.00124 | .0017   | .00009  | 1.3664   |
| #3     | -.00100 | -.00338 | -.00196 | -.00161 | .00046  | .0013   | .00003  | 1.1803   |

Sample Name: PB119628BL      Acquired: 5/10/2019 14:19:59      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.3862  
Stddev      1.5130  
%RSD      109.14

#1      -.13015  
#2      1.3930  
#3      2.8958

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4280.1 | 51497. | 5167.0 | 74.942 | 4891.1 |
| Stddev    | 7.2    | 29.    | 34.2   | 1.760  | 2.7    |
| %RSD      | .16867 | .05689 | .66164 | 2.3482 | .05606 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4277.6 | 51519. | 5144.8 | 74.517 | 4894.1 |
| #2 | 4274.5 | 51507. | 5149.9 | 73.433 | 4890.6 |
| #3 | 4288.3 | 51463. | 5206.4 | 76.875 | 4888.7 |

Sample Name: PB119628TB      Acquired: 5/10/2019 14:28:34      Type: Unk  
Method: P4-ICP2(v3107)      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    | -.00185 | -.00404 | -.00087 | -.00034 | .00232 | -.00799 | .00024 | -.00011 |
| Stddev | .00427  | .00063  | .00037  | .00094  | .00040 | .00476  | .00045 | .00006  |
| %RSD   | 230.85  | 15.541  | 42.494  | 275.64  | 17.272 | 59.601  | 189.92 | 58.828  |

|    |         |         |         |         |        |         |         |         |
|----|---------|---------|---------|---------|--------|---------|---------|---------|
| #1 | -.00666 | -.00332 | -.00074 | -.00128 | .00249 | -.00971 | .00054  | -.00008 |
| #2 | -.00039 | -.00449 | -.00130 | .00060  | .00187 | -.01166 | -.00028 | -.00006 |
| #3 | .00150  | -.00431 | -.00059 | -.00035 | .00262 | -.00261 | .00045  | -.00018 |

|        |         |         |        |         |         |        |        |         |
|--------|---------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00010 | -.00235 | .00100 | -.00026 | -.00067 | .00446 | .00007 | -.01417 |
| Stddev | .00005  | .00769  | .00031 | .00023  | .00031  | .00044 | .00004 | .05132  |
| %RSD   | 48.509  | 327.42  | 30.672 | 89.278  | 47.006  | 9.8077 | 57.053 | 362.23  |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00005 | -.00595 | .00123 | -.00053 | -.00056 | .00430 | .00003 | .02462  |
| #2 | -.00013 | .00648  | .00111 | -.00014 | -.00042 | .00496 | .00009 | -.07236 |
| #3 | -.00014 | -.00758 | .00065 | -.00011 | -.00102 | .00413 | .00011 | .00524  |

|        |        |        |          |        |        |         |        |         |
|--------|--------|--------|----------|--------|--------|---------|--------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895   | V_2924 | Zn2138 | K_7664  | Mo2020 | B_2496  |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00156 | .00093 | F 262.89 | .00020 | .00089 | -.13201 | .00028 | -.00497 |
| Stddev | .00021 | .00051 | 2.12     | .00013 | .00003 | .00225  | .00026 | .00798  |
| %RSD   | 13.702 | 54.428 | .80760   | 63.510 | 3.0658 | 1.7077  | 94.981 | 160.45  |

|    |        |        |        |        |        |         |        |         |
|----|--------|--------|--------|--------|--------|---------|--------|---------|
| #1 | .00171 | .00049 | 260.81 | .00014 | .00086 | -.13180 | .00055 | -.00839 |
| #2 | .00132 | .00082 | 265.05 | .00011 | .00088 | -.12986 | .00002 | .00414  |
| #3 | .00167 | .00148 | 262.80 | .00035 | .00092 | -.13436 | .00027 | -.01067 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00076 | .00472 | -.00115 | -.00013 | -.00065 | .0004  | .00004 | 3.7614 |
| Stddev | .00048  | .00090 | .00038  | .00136  | .00114  | .0010  | .00011 | .1891  |
| %RSD   | 63.050  | 19.046 | 33.050  | 1032.1  | 175.12  | 230.3  | 269.52 | 5.0261 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.00087 | .00419 | -.00099 | -.00170 | .00054  | -.0004 | .00013  | 3.9276 |
| #2 | -.00024 | .00421 | -.00159 | .00070  | -.00174 | .0001  | -.00009 | 3.5557 |
| #3 | -.00117 | .00576 | -.00088 | .00060  | -.00075 | .0016  | .00009  | 3.8010 |

Sample Name: PB119628TB      Acquired: 5/10/2019 14:28:34      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.1135 |
| Stddev | 1.7041 |
| %RSD   | 23.956 |

|    |        |
|----|--------|
| #1 | 5.2317 |
| #2 | 7.5565 |
| #3 | 8.5524 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4048.0 | 48544. | 5183.6 | 74.431 | 4338.6 |
| Stddev    | 6.4    | 80.    | 30.9   | 1.315  | 3.3    |
| %RSD      | .15923 | .16389 | .59676 | 1.7669 | .07614 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4041.3 | 48498. | 5160.7 | 74.058 | 4334.8 |
| #2 | 4054.2 | 48499. | 5171.3 | 73.342 | 4339.7 |
| #3 | 4048.4 | 48636. | 5218.8 | 75.892 | 4341.1 |

Sample Name: PB119628BS      Acquired: 5/10/2019 14:33:19      Type: Unk  
Method: P4-ICP2(v3107)      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    | .73383 | 1.9314 | .92813 | 1.8820 | .74934 | 1.8796 | .19573 |
| Stddev | .00362 | .0051  | .00319 | .0064  | .00187 | .0124  | .00049 |
| %RSD   | .49366 | .26248 | .34344 | .33962 | .24923 | .65994 | .25285 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73360 | 1.9371 | .93044 | 1.8877 | .75090 | 1.8785 | .19576 |
| #2 | .73757 | 1.9298 | .92449 | 1.8751 | .74727 | 1.8679 | .19522 |
| #3 | .73034 | 1.9273 | .92945 | 1.8833 | .74986 | 1.8926 | .19621 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18195 | .18392 | 1.0541 | .40548 | .19048 | .30036 | 3.0313 |
| Stddev | .00052 | .00039 | .0116  | .00183 | .00058 | .00137 | .0093  |
| %RSD   | .28805 | .21229 | 1.0966 | .45178 | .30225 | .45714 | .30774 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18249 | .18376 | 1.0474 | .40652 | .19041 | .30147 | 3.0244 |
| #2 | .18192 | .18363 | 1.0474 | .40337 | .18995 | .29882 | 3.0276 |
| #3 | .18144 | .18436 | 1.0674 | .40656 | .19109 | .30077 | 3.0420 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20198 | 1.9153 | .47982 | .06840 | 3.0799 | .30530 | .17926 |
| Stddev | .00028 | .0278  | .00088 | .00052 | .0191  | .00090 | .00034 |
| %RSD   | .13779 | 1.4514 | .18418 | .75883 | .62093 | .29323 | .19185 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20226 | 1.9108 | .48027 | .06900 | 3.0634 | .30631 | .17966 |
| #2 | .20171 | 1.8900 | .47880 | .06815 | 3.0753 | .30462 | .17904 |
| #3 | .20196 | 1.9451 | .48039 | .06806 | 3.1008 | .30496 | .17908 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.7489 | .40514 | .28540 | F .01735 | .87535 | .63977 | .19347 |
| Stddev | .0344  | .00260 | .00286 | .00227   | .00627 | .00155 | .00163 |
| %RSD   | .35313 | .64160 | 1.0019 | 13.057   | .71622 | .24246 | .84158 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.7233 | .40814 | .28316 | .01619 | .87910 | .63826 | .19532 |
| #2 | 9.7880 | .40359 | .28862 | .01590 | .87883 | .63970 | .19280 |
| #3 | 9.7354 | .40368 | .28442 | .01996 | .86811 | .64136 | .19228 |

Sample Name: PB119628BS      Acquired: 5/10/2019 14:33:19      Type: Unk  
 Method: P4-ICP2(v3107)      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       | .19897 | 5.154  | .19743 | F 1.7899 | F<.00000 |
| Stddev    | .00069 | .020   | .00046 | .2228    | 2.3622   |
| %RSD      | .34923 | .3842  | .23473 | 12.446   | 15.903   |
| #1        | .19910 | 5.165  | .19723 | 1.9890   | -15.612  |
| #2        | .19821 | 5.131  | .19796 | 1.5493   | -16.744  |
| #3        | .19959 | 5.167  | .19709 | 1.8312   | -12.206  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4235.9 | 51779. | 5245.8 | 74.900   | 4798.9   |
| Stddev    | 16.5   | 108.   | 39.3   | 1.629    | 11.7     |
| %RSD      | .38880 | .20810 | .74858 | 2.1745   | .24395   |
| #1        | 4220.8 | 51657. | 5214.2 | 75.225   | 4790.6   |
| #2        | 4233.4 | 51861. | 5233.6 | 76.342   | 4793.8   |
| #3        | 4253.5 | 51819. | 5289.8 | 73.133   | 4812.3   |

Sample Name: CCV02      Acquired: 5/10/2019 14:37:27      Type: Unk  
Method: P4-ICP2(v3107)      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    | 5.1215 | 5.2037 | 5.0228 | 5.1821 | 5.0738 | 10.180 | 10.139 | .25550   |
| Stddev | .0021  | .0066  | .0051  | .0036  | .0069  | .114   | .052   | .00123   |
| %RSD   | .04134 | .12579 | .10138 | .06841 | .13696 | 1.1234 | .51084 | .48203   |
| #1     | 5.1231 | 5.1973 | 5.0208 | 5.1781 | 5.0817 | 10.180 | 10.098 | .25611   |
| #2     | 5.1191 | 5.2033 | 5.0286 | 5.1835 | 5.0706 | 10.294 | 10.123 | .25631   |
| #3     | 5.1224 | 5.2104 | 5.0190 | 5.1848 | 5.0689 | 10.065 | 10.197 | .25408   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5369 | 26.071 | 1.0368 | 2.5363 | 1.2762 | 5.1765 | 2.5872 | 25.818   |
| Stddev | .0008  | .092   | .0023  | .0006  | .0021  | .0054  | .0016  | .162     |
| %RSD   | .03191 | .35386 | .22408 | .02444 | .16583 | .10506 | .06067 | .62825   |
| #1     | 2.5368 | 25.970 | 1.0343 | 2.5370 | 1.2786 | 5.1703 | 2.5873 | 25.661   |
| #2     | 2.5377 | 26.150 | 1.0389 | 2.5358 | 1.2755 | 5.1787 | 2.5888 | 25.985   |
| #3     | 2.5361 | 26.094 | 1.0373 | 2.5362 | 1.2745 | 5.1804 | 2.5856 | 25.808   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5565 | 1.2816 | 25.601 | 2.5917 | 2.5182 | 25.846 | 5.2008 | 5.1321   |
| Stddev | .0017  | .0021  | .102   | .0033  | .0015  | .220   | .0026  | .0442    |
| %RSD   | .06535 | .16257 | .39654 | .12728 | .05885 | .85037 | .04961 | .86136   |
| #1     | 2.5566 | 1.2803 | 25.589 | 2.5884 | 2.5193 | 25.950 | 5.2034 | 5.1402   |
| #2     | 2.5582 | 1.2840 | 25.708 | 2.5950 | 2.5187 | 25.996 | 5.2009 | 5.1717   |
| #3     | 2.5548 | 1.2805 | 25.506 | 2.5918 | 2.5165 | 25.594 | 5.1982 | 5.0844   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.2317 | 5.0951 | 5.1143 | 5.1459 | 5.0984 | 5.278  | 5.1659 | F 3.4297 |
| Stddev | .0198  | .0393  | .0035  | .0286  | .0063  | .009   | .0181  | .1465    |
| %RSD   | .37769 | .77167 | .06798 | .55508 | .12278 | .1781  | .34968 | 4.2716   |
| #1     | 5.2423 | 5.0757 | 5.1142 | 5.1152 | 5.1045 | 5.270  | 5.1515 | 3.5962   |
| #2     | 5.2089 | 5.0693 | 5.1108 | 5.1717 | 5.0920 | 5.289  | 5.1601 | 3.3722   |
| #3     | 5.2439 | 5.1404 | 5.1178 | 5.1507 | 5.0987 | 5.276  | 5.1862 | 3.3206   |

Sample Name: CCV02      Acquired: 5/10/2019 14:37:27      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.9871 |
| Stddev | 1.0660   |
| %RSD   | 53.649   |

|    |        |
|----|--------|
| #1 | 3.1984 |
| #2 | 1.1917 |
| #3 | 1.5711 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4073.4 | 49025. | 5162.9 | 71.633 | 4309.3 |
| Stddev    | 8.9    | 43.    | 30.9   | 2.039  | 6.3    |
| %RSD      | .21908 | .08807 | .59864 | 2.8471 | .14592 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4063.4 | 48977. | 5166.6 | 72.856 | 4304.4 |
| #2 | 4076.3 | 49040. | 5191.9 | 69.278 | 4307.0 |
| #3 | 4080.5 | 49060. | 5130.4 | 72.763 | 4316.4 |

Sample Name: CCB02      Acquired: 5/10/2019 14:41:30      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00222  | .00147  | .00058  | .00063  | .00223  | -.00770 | .00109  | -.00003  |
| Stddev | .00213  | .00088  | .00103  | .00222  | .00057  | .00745  | .00014  | .00007   |
| %RSD   | 96.187  | 59.933  | 175.91  | 349.37  | 25.472  | 96.722  | 12.757  | 242.79   |
| #1     | .00118  | .00066  | -.00038 | -.00036 | .00288  | -.00754 | .00096  | -.00010  |
| #2     | .00468  | .00133  | .00166  | -.00091 | .00190  | -.01522 | .00109  | -.00002  |
| #3     | .00081  | .00240  | .00046  | .00317  | .00190  | -.00033 | .00123  | .00004   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .00340  | -.00020 | .00006  | -.00041 | .00100  | .00002  | -.01250  |
| Stddev | .00001  | .01432  | .00030  | .00010  | .00010  | .00073  | .00005  | .05569   |
| %RSD   | 40.094  | 420.68  | 152.55  | 163.81  | 23.574  | 73.000  | 287.23  | 445.37   |
| #1     | .00003  | .01098  | .00015  | -.00004 | -.00046 | .00183  | .00007  | .02833   |
| #2     | .00002  | .01234  | -.00034 | .00006  | -.00047 | .00056  | -.00003 | -.07594  |
| #3     | .00005  | -.01311 | -.00040 | .00015  | -.00030 | .00059  | .00001  | .01010   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00041 | .00014  | -.02038 | .00003  | -.00038 | -.14256 | .00045  | -.00328  |
| Stddev | .00038  | .00015  | .00344  | .00037  | .00003  | .03752  | .00008  | .00456   |
| %RSD   | 92.879  | 106.22  | 16.898  | 1169.1  | 8.7477  | 26.318  | 17.595  | 138.91   |
| #1     | -.00013 | .00029  | -.02258 | .00008  | -.00038 | -.12129 | .00054  | .00002   |
| #2     | -.00084 | -.00000 | -.02214 | -.00036 | -.00035 | -.12051 | .00038  | -.00138  |
| #3     | -.00025 | .00013  | -.01641 | .00038  | -.00042 | -.18588 | .00043  | -.00848  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00592 | .00280  | .00046  | -.00059 | -.00029 | .0022   | .00026  | F 2.1668 |
| Stddev | .00098  | .00082  | .00060  | .00115  | .00024  | .0019   | .00005  | .1121    |
| %RSD   | 16.506  | 29.484  | 130.77  | 195.47  | 82.023  | 85.89   | 19.074  | 5.1714   |
| #1     | -.00545 | .00314  | -.00005 | -.00188 | -.00011 | .0043   | .00031  | 2.0533   |
| #2     | -.00526 | .00186  | .00031  | -.00023 | -.00020 | .0020   | .00021  | 2.2773   |
| #3     | -.00704 | .00339  | .00113  | .00034  | -.00055 | .0004   | .00026  | 2.1699   |

Sample Name: CCB02      Acquired: 5/10/2019 14:41:30      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.5975  
Stddev      2.3587  
%RSD      147.64

#1      2.0066  
#2      3.7249  
#3      -.93888

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4273.7 | 51630. | 5165.2 | 74.583 | 4878.3 |
| Stddev    | 4.1    | 43.    | 20.2   | .696   | 1.5    |
| %RSD      | .09493 | .08372 | .39025 | .93314 | .03161 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4272.7 | 51649. | 5154.4 | 73.833 | 4876.8 |
| #2 | 4270.3 | 51580. | 5152.7 | 74.708 | 4878.1 |
| #3 | 4278.2 | 51660. | 5188.4 | 75.208 | 4879.9 |

Sample Name: LR CHECK 1      Acquired: 5/10/2019 14:47:16      Type: Unk  
Method: P4-ICP2(v3107)      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    | -.00715 | .05622  | -.08347 | -.23356 | .01588 | 2176.5 | .00969  | .03143 |
| Stddev | .01560  | .00907  | .00144  | .01425  | .00907 | 4.2    | .00051  | .00011 |
| %RSD   | 218.11  | 16.142  | 1.7198  | 6.1021  | 57.157 | .19494 | 5.2288  | .33898 |
| #1     | -.02512 | .04835  | -.08510 | -.22589 | .02595 | 2174.6 | .00992  | .03141 |
| #2     | .00081  | .06614  | -.08239 | -.25001 | .00834 | 2173.5 | .00911  | .03134 |
| #3     | .00286  | .05415  | -.08292 | -.22479 | .01334 | 2181.3 | .01004  | .03155 |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .01676  | 1844.0  | -.09264 | .04753  | .10900 | 810.85 | -.01173 | 1788.8 |
| Stddev | .00037  | 24.0    | .00118  | .00015  | .00254 | 2.88   | .00025  | 12.4   |
| %RSD   | 2.1871  | 1.2989  | 1.2704  | .31457  | 2.3258 | .35489 | 2.1586  | .69372 |
| #1     | .01634  | 1858.9  | -.09360 | .04735  | .10767 | 813.22 | -.01201 | 1785.1 |
| #2     | .01695  | 1856.7  | -.09299 | .04762  | .10741 | 807.65 | -.01153 | 1778.6 |
| #3     | .01699  | 1816.4  | -.09133 | .04761  | .11192 | 811.68 | -.01163 | 1802.6 |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02829  | -.16884 | 1676.8  | .00900  | .02859 | 959.49 | -.02968 | .32456 |
| Stddev | .00029  | .00145  | 18.4    | .00053  | .00183 | 5.62   | .00080  | .02731 |
| %RSD   | 1.0341  | .85963  | 1.0981  | 5.8927  | 6.3861 | .58542 | 2.6930  | 8.4137 |
| #1     | .02801  | -.16774 | 1691.6  | .00866  | .02701 | 957.12 | -.03024 | .33739 |
| #2     | .02826  | -.16830 | 1682.7  | .00961  | .03059 | 955.45 | -.03005 | .34309 |
| #3     | .02859  | -.17048 | 1656.2  | .00874  | .02817 | 965.91 | -.02877 | .29320 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .34734  | -.00088 | .06519  | -.05958 | .08907 | .1848  | -.87750 | 5.4212 |
| Stddev | .00846  | .00462  | .00252  | .00048  | .00156 | .0006  | .00316  | .1657  |
| %RSD   | 2.4362  | 524.80  | 3.8676  | .81370  | 1.7473 | .3197  | .36046  | 3.0572 |
| #1     | .34423  | -.00531 | .06779  | -.05951 | .08742 | .1850  | -.88010 | 5.4362 |
| #2     | .34087  | .00390  | .06276  | -.06010 | .08926 | .1842  | -.87398 | 5.5789 |
| #3     | .35691  | -.00123 | .06501  | -.05914 | .09052 | .1853  | -.87844 | 5.2485 |

Sample Name: LR CHECK 1      Acquired: 5/10/2019 14:47:16      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 6.6771  |
| %RSD   | .59001  |

|    |         |
|----|---------|
| #1 | -1124.1 |
| #2 | -1134.4 |
| #3 | -1136.6 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2912.9 | 34771. | 4510.1 | 56.691 | 2552.7 |
| Stddev    | 4.6    | 117.   | 35.9   | 2.002  | 2.7    |
| %RSD      | .15861 | .33614 | .79571 | 3.5318 | .10397 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2913.6 | 34691. | 4484.0 | 54.389 | 2552.7 |
| #2 | 2917.2 | 34905. | 4495.2 | 57.656 | 2555.4 |
| #3 | 2908.0 | 34717. | 4551.0 | 58.028 | 2550.1 |

Sample Name: LR CHECK 2      Acquired: 5/10/2019 14:52:18      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00484 | -.00538 | 235.88 | .03248 | -.04298 | -.07467 | 91.387 | -.00135 |
| Stddev | .00141 | .00212  | 1.95   | .00365 | .00139  | .03032  | .946   | .00011  |
| %RSD   | 29.052 | 39.374  | .82530 | 11.239 | 3.2362  | 40.610  | 1.0348 | 8.3898  |

|    |        |         |        |        |         |         |        |         |
|----|--------|---------|--------|--------|---------|---------|--------|---------|
| #1 | .00332 | -.00303 | 236.66 | .03074 | -.04459 | -.08268 | 90.298 | -.00148 |
| #2 | .00510 | -.00599 | 237.31 | .03003 | -.04222 | -.04114 | 92.001 | -.00128 |
| #3 | .00610 | -.00713 | 233.66 | .03668 | -.04214 | -.10018 | 91.862 | -.00128 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00813 | .44335 | -.13282 | -.00006 | 247.64 | -.54020 | 40.997 | .05940 |
| Stddev | .00009  | .01492 | .00102  | .00017  | 1.68   | .00455  | .269   | .05513 |
| %RSD   | 1.1191  | 3.3657 | .76520  | 269.19  | .67806 | .84192  | .65510 | 92.808 |

|    |         |        |         |         |        |         |        |        |
|----|---------|--------|---------|---------|--------|---------|--------|--------|
| #1 | -.00814 | .43592 | -.13302 | .00007  | 249.08 | -.53508 | 40.766 | .01800 |
| #2 | -.00822 | .46052 | -.13373 | -.00000 | 248.03 | -.54176 | 40.933 | .12198 |
| #3 | -.00804 | .43359 | -.13172 | -.00026 | 245.79 | -.54376 | 41.292 | .03822 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | 48.866 | .00431 | 1.2650 | -.21912 | 32.358 | 1.5263 | -.00814 | -.00095 |
| Stddev | .404   | .00020 | .1299  | .00155  | .361   | .2133  | .00013  | .00737  |
| %RSD   | .82760 | 4.6863 | 10.268 | .70683  | 1.1149 | 13.973 | 1.6164  | 778.31  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 49.080 | .00414 | 1.3854 | -.21746 | 32.514 | 1.7566 | -.00825 | .00175  |
| #2 | 49.119 | .00454 | 1.2823 | -.22053 | 32.615 | 1.4865 | -.00799 | .00470  |
| #3 | 48.400 | .00425 | 1.1274 | -.21938 | 31.946 | 1.3357 | -.00818 | -.00929 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00920 | .01085 | .00108 | .01853 | .00000 | .3953  | .00230 | 2.6623 |
| Stddev | .00145 | .00304 | .00008 | .00228 | .00094 | .0013  | .00017 | .1243  |
| %RSD   | 15.819 | 27.994 | 6.9876 | 12.295 | 20955. | .3302  | 7.5244 | 4.6671 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .00752 | .01252 | .00113 | .02052 | .00094  | .3952 | .00212 | 2.6156 |
| #2 | .00999 | .00735 | .00099 | .01903 | .00001  | .3967 | .00247 | 2.5681 |
| #3 | .01008 | .01269 | .00111 | .01605 | -.00094 | .3941 | .00231 | 2.8031 |

Sample Name: LR CHECK 2      Acquired: 5/10/2019 14:52:18      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | .05358 |
| Stddev | 1.6363 |
| %RSD   | 3054.2 |

|    |         |
|----|---------|
| #1 | .19143  |
| #2 | 1.6166  |
| #3 | -1.6473 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3769.8 | 53055. | 5345.6 | 76.550 | 4609.9 |
| Stddev    | 33.8   | 149.   | 33.4   | 2.326  | 29.7   |
| %RSD      | .89549 | .28005 | .62445 | 3.0387 | .64388 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3754.6 | 53208. | 5357.3 | 75.692 | 4594.6 |
| #2 | 3746.2 | 53046. | 5308.0 | 74.775 | 4591.1 |
| #3 | 3808.4 | 52911. | 5371.6 | 79.183 | 4644.2 |

Sample Name: K2642-03      Acquired: 5/10/2019 14:59:07      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .04780 | -.00640 | .25392 | -.02538 | -.00089 | 198.93 | .51899 |
| Stddev | .00382 | .00163  | .00374 | .00177  | .00163  | .32    | .00018 |
| %RSD   | 7.9878 | 25.519  | 1.4718 | 6.9873  | 183.05  | .16311 | .03414 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04682 | -.00822 | .25757 | -.02662 | -.00276 | 198.57 | .51919 |
| #2 | .04456 | -.00592 | .25408 | -.02335 | .00013  | 199.01 | .51887 |
| #3 | .05201 | -.00506 | .25010 | -.02618 | -.00003 | 199.20 | .51891 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01373 | .00132 | 113.46 | .17960 | .21354 | .57995 | 270.32 |
| Stddev | .00013 | .00022 | .26    | .00065 | .00120 | .00211 | .16    |
| %RSD   | .93171 | 16.688 | .22635 | .36346 | .56036 | .36383 | .05904 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01358 | .00125 | 113.72 | .18021 | .21337 | .58091 | 270.28 |
| #2 | .01377 | .00157 | 113.21 | .17891 | .21481 | .58141 | 270.19 |
| #3 | .01383 | .00115 | 113.47 | .17969 | .21243 | .57753 | 270.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2514 | 100.84 | .31245 | -.03967 | 18.451 | .69037 | .86307 |
| Stddev | .0207  | .35    | .00097 | .00031  | .077   | .00044 | .00160 |
| %RSD   | .48769 | .34633 | .31131 | .78248  | .41581 | .06340 | .18514 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.2437 | 100.48 | .31201 | -.03946 | 18.367 | .69085 | .86209 |
| #2 | 4.2748 | 101.18 | .31357 | -.03953 | 18.516 | .68999 | .86492 |
| #3 | 4.2355 | 100.87 | .31178 | -.04003 | 18.471 | .69027 | .86221 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 16.192 | .00484 | .24896 | F 16.142 | 2.1159 | .01618 | 3.4338 |
| Stddev | .043   | .00012 | .00949 | .028     | .0188  | .00141 | .0036  |
| %RSD   | .26256 | 2.5579 | 3.8101 | .17513   | .88838 | 8.7045 | .10518 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.143 | .00481 | .23980 | 16.111 | 2.1110 | .01737 | 3.4308 |
| #2 | 16.209 | .00474 | .24836 | 16.167 | 2.1366 | .01656 | 3.4378 |
| #3 | 16.223 | .00498 | .25874 | 16.147 | 2.1000 | .01463 | 3.4329 |

Sample Name: K2642-03      Acquired: 5/10/2019 14:59:07      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-03-050919      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .17560 | F 11.84 | -.03497 | <.00000 | F<.00000 |
| Stddev | .00136 | .05     | .00036  | .19679  | 1.5567   |
| %RSD   | .77294 | .4066   | 1.0267  | 11.109  | .31917   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .17713 | 11.80 | -.03455 | -1.5827 | -489.34 |
| #2 | .17454 | 11.89 | -.03519 | -1.9754 | -486.23 |
| #3 | .17513 | 11.82 | -.03516 | -1.7563 | -487.68 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4789.2 | 58178. | 6509.2 | 72.298 | 3996.9 |
| Stddev    | 8.1    | 138.   | 26.3   | 1.438  | 2.4    |
| %RSD      | .16863 | .23762 | .40399 | 1.9887 | .05993 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4780.4 | 58037. | 6479.0 | 72.896 | 3994.2 |
| #2 | 4796.2 | 58185. | 6521.3 | 73.341 | 3998.7 |
| #3 | 4790.9 | 58313. | 6527.2 | 70.658 | 3997.7 |

Sample Name: K2647-05      Acquired: 5/10/2019 15:03:40      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04137 | -.01247 | .21601 | -.01953 | .00081 | 145.89 | .58563 |
| Stddev | .00228 | .00221  | .00228 | .00203  | .00035 | .36    | .00203 |
| %RSD   | 5.4999 | 17.717  | 1.0573 | 10.374  | 43.810 | .24621 | .34651 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .04183 | -.01431 | .21815 | -.02183 | .00118 | 145.57 | .58423 |
| #2 | .03890 | -.01002 | .21629 | -.01803 | .00078 | 146.28 | .58795 |
| #3 | .04338 | -.01308 | .21361 | -.01873 | .00047 | 145.84 | .58470 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01214 | -.00175 | 95.496 | .16899 | .15252 | .39613 | 240.71 |
| Stddev | .00033 | .00014  | .203   | .00040 | .00043 | .00268 | .89    |
| %RSD   | 2.7009 | 8.2490  | .21281 | .23769 | .28289 | .67583 | .36851 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01218 | -.00159 | 95.611 | .16857 | .15301 | .39921 | 239.75 |
| #2 | .01179 | -.00180 | 95.615 | .16938 | .15230 | .39435 | 241.50 |
| #3 | .01244 | -.00187 | 95.261 | .16903 | .15224 | .39483 | 240.90 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2004 | 52.348 | .20692 | -.03255 | 6.5004 | .49278 | .71163 |
| Stddev | .0261  | .314   | .00037 | .00030  | .0143  | .00167 | .00089 |
| %RSD   | .62116 | .59995 | .17975 | .92569  | .21983 | .33880 | .12553 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1717 | 52.129 | .20705 | -.03283 | 6.4949 | .49231 | .71231 |
| #2 | 4.2226 | 52.708 | .20721 | -.03259 | 6.5166 | .49464 | .71197 |
| #3 | 4.2069 | 52.207 | .20650 | -.03223 | 6.4897 | .49140 | .71062 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.4099 | .00110 | .23412 | 3.6552 | 4.7724 | .01506 | 4.1613 |
| Stddev | .0342  | .00010 | .00679 | .0101  | .0499  | .00083 | .0095  |
| %RSD   | .40719 | 9.1466 | 2.9008 | .27760 | 1.0451 | 5.5042 | .22812 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.4167 | .00102 | .23484 | 3.6550 | 4.7795 | .01492 | 4.1581 |
| #2 | 8.3728 | .00105 | .24053 | 3.6655 | 4.8183 | .01432 | 4.1539 |
| #3 | 8.4402 | .00121 | .22700 | 3.6452 | 4.7193 | .01595 | 4.1720 |

Sample Name: K2647-05      Acquired: 5/10/2019 15:03:40      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .11487 | 7.059  | .06335 | <.00000 | F<.00000 |
| Stddev | .00126 | .013   | .00108 | .19643  | 5.7986   |
| %RSD   | 1.0961 | .1869  | 1.6998 | 11.698  | 1.4129   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .11573 | 7.073 | .06454 | -1.4932 | -414.69 |
| #2 | .11343 | 7.047 | .06306 | -1.8846 | -412.69 |
| #3 | .11545 | 7.056 | .06245 | -1.6599 | -403.80 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4847.5 | 58852. | 6492.1 | 73.658 | 4161.3 |
| Stddev    | 16.2   | 133.   | 16.8   | .421   | 6.4    |
| %RSD      | .33353 | .22671 | .25916 | .57177 | .15328 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4830.6 | 58894. | 6477.5 | 73.713 | 4156.1 |
| #2 | 4849.0 | 58703. | 6510.5 | 73.211 | 4159.5 |
| #3 | 4862.8 | 58960. | 6488.4 | 74.048 | 4168.4 |

Sample Name: K2647-05DUP      Acquired: 5/10/2019 15:08:12      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03866 | -.00963 | .21021 | -.01583 | .00122 | 145.57 | .58226 |
| Stddev | .00327 | .00233  | .00166 | .00033  | .00106 | .41    | .00099 |
| %RSD   | 8.4552 | 24.196  | .79191 | 2.0876  | 87.181 | .28440 | .16926 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03579 | -.01116 | .21000 | -.01549 | .00192  | 146.04 | .58211 |
| #2 | .04222 | -.01078 | .21197 | -.01615 | -.00000 | 145.32 | .58331 |
| #3 | .03796 | -.00695 | .20866 | -.01587 | .00174  | 145.33 | .58135 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01206 | -.00168 | 91.396 | .16872 | .15219 | .39435 | 241.05 |
| Stddev | .00015 | .00036  | .187   | .00009 | .00038 | .00206 | 1.19   |
| %RSD   | 1.2491 | 21.531  | .20462 | .05609 | .25220 | .52156 | .49399 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01195 | -.00205 | 91.570 | .16862 | .15199 | .39220 | 242.07 |
| #2 | .01223 | -.00132 | 91.198 | .16881 | .15194 | .39457 | 239.74 |
| #3 | .01200 | -.00166 | 91.418 | .16874 | .15263 | .39629 | 241.35 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2061 | 50.802 | .20481 | -.03224 | 6.4485 | .49109 | .70682 |
| Stddev | .0117  | .070   | .00089 | .00048  | .0167  | .00056 | .00040 |
| %RSD   | .27853 | .13720 | .43632 | 1.4774  | .25874 | .11444 | .05593 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.2124 | 50.873 | .20535 | -.03174 | 6.4647 | .49091 | .70717 |
| #2 | 4.2133 | 50.734 | .20378 | -.03231 | 6.4494 | .49171 | .70690 |
| #3 | 4.1926 | 50.800 | .20530 | -.03268 | 6.4313 | .49063 | .70639 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2985 | .00095 | .23924 | 3.5662 | 4.8774 | .01539 | 4.1025 |
| Stddev | .0084  | .00024 | .00804 | .0173  | .1120  | .00132 | .0100  |
| %RSD   | .10170 | 25.535 | 3.3594 | .48415 | 2.2963 | 8.5643 | .24309 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.3059 | .00110 | .24837 | 3.5748 | 4.8173 | .01478 | 4.0935 |
| #2 | 8.3003 | .00107 | .23322 | 3.5463 | 5.0066 | .01450 | 4.1007 |
| #3 | 8.2893 | .00067 | .23614 | 3.5774 | 4.8083 | .01691 | 4.1132 |

Sample Name: K2647-05DUP      Acquired: 5/10/2019 15:08:12      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .11374 | 7.064  | .05123 | <.00000 | F<.00000 |
| Stddev    | .00032 | .033   | .00121 | .17515  | 3.0186   |
| %RSD      | .27724 | .4616  | 2.3671 | 9.6056  | .73052   |
| #1        | .11340 | 7.083  | .05099 | -1.9704 | -410.02  |
| #2        | .11379 | 7.026  | .05254 | -1.8702 | -416.02  |
| #3        | .11402 | 7.082  | .05015 | -1.6296 | -413.60  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4853.6 | 58906. | 6537.0 | 73.094  | 4172.2   |
| Stddev    | 15.5   | 291.   | 33.9   | 2.068   | 5.2      |
| %RSD      | .32029 | .49432 | .51873 | 2.8295  | .12434   |
| #1        | 4866.3 | 58577. | 6498.1 | 74.071  | 4166.3   |
| #2        | 4836.2 | 59009. | 6552.2 | 70.719  | 4174.5   |
| #3        | 4858.2 | 59131. | 6560.6 | 74.493  | 4175.9   |

Sample Name: K2647-05LX5      Acquired: 5/10/2019 15:12:43      Type: Unk  
Method: P4-ICP2(v3107)      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    | .01185 | .00009 | .05225 | .00124 | .00103 | 32.321 | .13093 |
| Stddev | .00161 | .00103 | .00123 | .00196 | .00011 | .091   | .00061 |
| %RSD   | 13.576 | 1125.1 | 2.3590 | 158.06 | 11.006 | .28218 | .46909 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01313 | -.00108 | .05311 | -.00081 | .00101 | 32.267 | .13162 |
| #2 | .01236 | .00054  | .05279 | .00144  | .00092 | 32.427 | .13044 |
| #3 | .01004 | .00082  | .05084 | .00309  | .00115 | 32.270 | .13073 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00233 | -.00302 | 22.584 | .03899 | .02981 | .09411 | 67.634 |
| Stddev | .00009 | .00010  | .032   | .00042 | .00016 | .00107 | .284   |
| %RSD   | 3.8684 | 3.1715  | .14385 | 1.0750 | .53045 | 1.1420 | .42055 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00227 | -.00304 | 22.553 | .03856 | .02971 | .09290 | 67.468 |
| #2 | .00244 | -.00310 | 22.617 | .03940 | .02972 | .09450 | 67.963 |
| #3 | .00230 | -.00291 | 22.581 | .03901 | .02999 | .09494 | 67.472 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.0175 | 11.812 | .03935 | -.00626 | 1.4241 | .11543 | .12836 |
| Stddev | .0065  | .064   | .00050 | .00068  | .0147  | .00047 | .00054 |
| %RSD   | .64177 | .54245 | 1.2718 | 10.804  | 1.0343 | .40592 | .41892 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.0123 | 11.763 | .03893 | -.00548 | 1.4217 | .11490 | .12790 |
| #2 | 1.0248 | 11.884 | .03923 | -.00664 | 1.4399 | .11577 | .12823 |
| #3 | 1.0153 | 11.789 | .03990 | -.00666 | 1.4107 | .11561 | .12895 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8735 | .00006 | .06501 | .69021 | 1.1336 | .00310 | .96944 |
| Stddev | .0239  | .00068 | .00392 | .00337 | .0035  | .00047 | .00826 |
| %RSD   | 1.2745 | 1086.2 | 6.0224 | .48865 | .30972 | 15.275 | .85188 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 1.8476 | .00070  | .06228 | .69038 | 1.1368 | .00284 | .95993 |
| #2 | 1.8780 | .00015  | .06950 | .68675 | 1.1298 | .00364 | .97475 |
| #3 | 1.8947 | -.00066 | .06326 | .69349 | 1.1342 | .00281 | .97364 |

Sample Name: K2647-05LX5      Acquired: 5/10/2019 15:12:43      Type: Unk  
Method: P4-ICP2(v3107)      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    | .02628 | 1.362  | .00220 | 1.8150 | F<.00000 |
| Stddev | .00139 | .006   | .00008 | .1572  | 3.1537   |
| %RSD   | 5.2781 | .4549  | 3.5539 | 8.6585 | 4.6056   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02724 | 1.359 | .00223 | 1.6651 | -71.065 |
| #2 | .02469 | 1.358 | .00211 | 1.9785 | -69.396 |
| #3 | .02692 | 1.370 | .00225 | 1.8014 | -64.963 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4360.6 | 52557. | 5489.7 | 75.774 | 4581.6 |
| Stddev    | 4.1    | 175.   | 4.7    | .769   | 4.2    |
| %RSD      | .09430 | .33326 | .08560 | 1.0155 | .09132 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4364.3 | 52501. | 5494.2 | 75.398 | 4578.4 |
| #2 | 4361.5 | 52417. | 5484.8 | 76.660 | 4586.3 |
| #3 | 4356.2 | 52753. | 5490.1 | 75.266 | 4580.0 |

Sample Name: K2647-05MS      Acquired: 5/10/2019 15:17:09      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .61686 | 1.8255 | 1.1797 | 1.4485 | .12214 | 148.91 | .70654 |
| Stddev | .00294 | .0120  | .0052  | .0051  | .00041 | 1.27   | .00512 |
| %RSD   | .47734 | .65666 | .44274 | .34967 | .33702 | .85462 | .72437 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .61792 | 1.8308 | 1.1857 | 1.4522 | .12235 | 147.45 | .70083 |
| #2 | .61353 | 1.8118 | 1.1768 | 1.4505 | .12167 | 149.46 | .70807 |
| #3 | .61912 | 1.8339 | 1.1766 | 1.4427 | .12240 | 149.81 | .71072 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16343 | .18299 | 83.464 | .47999 | .33719 | .58793 | 227.99 |
| Stddev | .00078 | .00126 | .291   | .00235 | .00150 | .00396 | .79    |
| %RSD   | .47793 | .69111 | .34856 | .49026 | .44386 | .67394 | .34555 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16259 | .18444 | 83.136 | .47829 | .33887 | .59227 | 227.17 |
| #2 | .16357 | .18209 | 83.691 | .47901 | .33601 | .58450 | 228.75 |
| #3 | .16413 | .18245 | 83.566 | .48268 | .33667 | .58704 | 228.05 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1182 | 47.207 | .66900 | .02527 | 8.5512 | .70650 | .88931 |
| Stddev | .0391  | .320   | .00299 | .00027 | .0784  | .00171 | .00131 |
| %RSD   | .94828 | .67806 | .44725 | 1.0863 | .91696 | .24148 | .14736 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.0738 | 46.838 | .67223 | .02558 | 8.4648 | .70521 | .89079 |
| #2 | 4.1336 | 47.369 | .66844 | .02515 | 8.5713 | .70585 | .88830 |
| #3 | 4.1473 | 47.414 | .66632 | .02508 | 8.6177 | .70844 | .88883 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.594 | .28403 | .39480 | 3.2324 | 5.2520 | .61954 | 4.3787 |
| Stddev | .080   | .00142 | .00523 | .0249  | .0554  | .00535 | .0163  |
| %RSD   | .48415 | .49993 | 1.3235 | .77111 | 1.0546 | .86306 | .37212 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.508 | .28554 | .38880 | 3.2474 | 5.3155 | .62523 | 4.3644 |
| #2 | 16.606 | .28272 | .39723 | 3.2036 | 5.2139 | .61462 | 4.3751 |
| #3 | 16.668 | .28383 | .39835 | 3.2461 | 5.2265 | .61876 | 4.3964 |

Sample Name: K2647-05MS      Acquired: 5/10/2019 15:17:09      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .26554 | F 14.84 | .17260 | <.00000 | F<.00000 |
| Stddev    | .00135 | .08     | .00076 | .39374  | 3.3212   |
| %RSD      | .50755 | .5449   | .44080 | 25.911  | .83706   |
| #1        | .26515 | 14.82   | .17256 | -1.8638 | -399.92  |
| #2        | .26704 | 14.78   | .17338 | -1.6048 | -393.30  |
| #3        | .26444 | 14.93   | .17186 | -1.0903 | -397.08  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4926.9 | 59807.  | 6523.7 | 72.714  | 4154.3   |
| Stddev    | 11.2   | 168.    | 30.8   | .451    | 6.8      |
| %RSD      | .22713 | .28072  | .47285 | .62081  | .16433   |
| #1        | 4914.8 | 59982.  | 6496.6 | 73.154  | 4149.4   |
| #2        | 4936.9 | 59792.  | 6517.2 | 72.252  | 4162.1   |
| #3        | 4928.9 | 59648.  | 6557.2 | 72.738  | 4151.5   |

Sample Name: K2647-05MSD      Acquired: 5/10/2019 15:21:36      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .61660 | 1.8237 | 1.1785 | 1.4484 | .12288 | 149.39 | .70942 |
| Stddev | .00262 | .0075  | .0020  | .0011  | .00205 | 1.15   | .00382 |
| %RSD   | .42478 | .40849 | .17013 | .07544 | 1.6694 | .76823 | .53917 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .61740 | 1.8281 | 1.1762 | 1.4482 | .12090 | 149.55 | .70670 |
| #2 | .61872 | 1.8279 | 1.1800 | 1.4496 | .12500 | 150.44 | .71379 |
| #3 | .61367 | 1.8151 | 1.1792 | 1.4474 | .12276 | 148.16 | .70776 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16376 | .18225 | 85.067 | .47795 | .33687 | .58929 | 227.91 |
| Stddev | .00018 | .00037 | 2.416  | .00092 | .00056 | .00166 | .93    |
| %RSD   | .11105 | .20060 | 2.8401 | .19152 | .16705 | .28150 | .40591 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16396 | .18183 | 83.919 | .47693 | .33648 | .58777 | 228.91 |
| #2 | .16373 | .18243 | 87.843 | .47871 | .33752 | .59106 | 227.08 |
| #3 | .16360 | .18249 | 83.440 | .47821 | .33662 | .58904 | 227.74 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1485 | 47.250 | .67013 | .02575 | 8.5749 | .70507 | .88913 |
| Stddev | .0107  | .319   | .00230 | .00016 | .0608  | .00234 | .00080 |
| %RSD   | .25876 | .67460 | .34352 | .63858 | .70874 | .33182 | .09009 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.1545 | 47.020 | .66750 | .02594 | 8.5528 | .70716 | .88825 |
| #2 | 4.1549 | 47.614 | .67179 | .02565 | 8.6436 | .70254 | .88981 |
| #3 | 4.1361 | 47.118 | .67110 | .02567 | 8.5282 | .70552 | .88934 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.599 | .28416 | .38534 | 3.2366 | 5.2726 | .61830 | 4.4544 |
| Stddev | .073   | .00098 | .00152 | .0041  | .1802  | .00234 | .1397  |
| %RSD   | .44033 | .34621 | .39338 | .12693 | 3.4178 | .37802 | 3.1352 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.592 | .28307 | .38538 | 3.2397 | 5.3302 | .62094 | 4.3819 |
| #2 | 16.675 | .28498 | .38380 | 3.2320 | 5.4171 | .61649 | 4.6154 |
| #3 | 16.529 | .28442 | .38683 | 3.2382 | 5.0707 | .61747 | 4.3658 |

Sample Name: K2647-05MSD      Acquired: 5/10/2019 15:21:36      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .26963 | F 14.90 | .18028 | <.00000 | F<.00000 |
| Stddev | .00801 | .03     | .01297 | .26301  | 3.7738   |
| %RSD   | 2.9706 | .1845   | 7.1962 | 15.532  | .94212   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .26780 | 14.93 | .17545 | -1.4378 | -396.37 |
| #2 | .27839 | 14.89 | .19497 | -1.6789 | -403.67 |
| #3 | .26269 | 14.87 | .17041 | -1.9632 | -401.67 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4916.2 | 59923. | 6448.1 | 72.695 | 4143.9 |
| Stddev    | 12.5   | 200.   | 141.1  | 3.089  | 3.4    |
| %RSD      | .25382 | .33333 | 2.1883 | 4.2499 | .08087 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4921.3 | 59707. | 6477.2 | 73.951 | 4146.9 |
| #2 | 4902.0 | 59961. | 6294.7 | 69.175 | 4140.3 |
| #3 | 4925.3 | 60101. | 6572.4 | 74.958 | 4144.3 |

Sample Name: K2647-05A      Acquired: 5/10/2019 15:26:03      Type: Unk  
Method: P4-ICP2(v3107)      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    | .61823 | 1.8322 | 1.1712 | 1.4472 | .12439 | 149.10 | .70713 |
| Stddev | .00314 | .0058  | .0042  | .0031  | .00097 | .33    | .00165 |
| %RSD   | .50737 | .31871 | .35842 | .21143 | .78352 | .21928 | .23319 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .62130 | 1.8376 | 1.1686 | 1.4478 | .12549 | 148.94 | .70600 |
| #2 | .61835 | 1.8260 | 1.1690 | 1.4499 | .12364 | 148.88 | .70637 |
| #3 | .61503 | 1.8332 | 1.1761 | 1.4439 | .12405 | 149.48 | .70903 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .16466 | .18481 | 85.152 | .48261 | .33833 | .58925 | 228.32 |
| Stddev | .00035 | .00083 | .044   | .00180 | .00004 | .00125 | .61    |
| %RSD   | .21322 | .45063 | .05184 | .37232 | .01210 | .21225 | .26780 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16482 | .18387 | 85.105 | .48105 | .33830 | .58830 | 228.79 |
| #2 | .16489 | .18544 | 85.193 | .48219 | .33838 | .59067 | 227.63 |
| #3 | .16425 | .18512 | 85.158 | .48457 | .33833 | .58877 | 228.54 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1618 | 46.930 | .67467 | .02550 | 8.5639 | .71213 | .87926 |
| Stddev | .0347  | .207   | .00130 | .00029 | .0376  | .00360 | .00140 |
| %RSD   | .83353 | .44181 | .19264 | 1.1338 | .43956 | .50562 | .15906 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.1690 | 47.011 | .67385 | .02531 | 8.5369 | .71028 | .87771 |
| #2 | 4.1923 | 46.694 | .67400 | .02535 | 8.5478 | .71628 | .87967 |
| #3 | 4.1240 | 47.084 | .67617 | .02583 | 8.6069 | .70983 | .88041 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 16.444 | .28502 | .39492 | 3.2510 | 5.4558 | .62259 | 4.3950 |
| Stddev | .064   | .00036 | .01257 | .0039  | .0867  | .00147 | .0262  |
| %RSD   | .39214 | .12677 | 3.1841 | .12070 | 1.5882 | .23633 | .59491 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.373 | .28461 | .40004 | 3.2499 | 5.5532 | .62140 | 4.4009 |
| #2 | 16.462 | .28529 | .40413 | 3.2553 | 5.3873 | .62423 | 4.3664 |
| #3 | 16.498 | .28515 | .38059 | 3.2477 | 5.4269 | .62212 | 4.4177 |

Sample Name: K2647-05A      Acquired: 5/10/2019 15:26:03      Type: Unk  
 Method: P4-ICP2(v3107)      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       | .26757 | F 15.38 | .17547 | <.00000 | F<.00000 |
| Stddev    | .00123 | .02     | .00103 | .25933  | 3.0105   |
| %RSD      | .46157 | .0984   | .58822 | 18.299  | .76186   |
| #1        | .26863 | 15.37   | .17617 | -1.5473 | -391.76  |
| #2        | .26786 | 15.36   | .17596 | -1.1186 | -397.53  |
| #3        | .26621 | 15.39   | .17429 | -1.5858 | -396.14  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4943.9 | 60032.  | 6533.4 | 73.602  | 4146.1   |
| Stddev    | 6.2    | 89.     | 29.1   | 1.064   | 2.6      |
| %RSD      | .12619 | .14895  | .44592 | 1.4452  | .06260   |
| #1        | 4940.2 | 59989.  | 6500.9 | 74.495  | 4143.2   |
| #2        | 4940.4 | 60135.  | 6542.0 | 72.425  | 4147.2   |
| #3        | 4951.1 | 59973.  | 6557.3 | 73.887  | 4148.0   |

Sample Name: K2647-07      Acquired: 5/10/2019 15:30:30      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02828 | -.02125 | .23473 | -.01997 | .00127 | 113.26 | .61964 |
| Stddev | .00344 | .00217  | .00191 | .00208  | .00156 | .11    | .00278 |
| %RSD   | 12.169 | 10.218  | .81229 | 10.425  | 122.82 | .09854 | .44799 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02608 | -.02105 | .23581 | -.01982 | .00296  | 113.14 | .61648 |
| #2 | .02651 | -.01919 | .23585 | -.01796 | .00096  | 113.36 | .62168 |
| #3 | .03224 | -.02352 | .23253 | -.02212 | -.00011 | 113.28 | .62078 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01092 | .00052 | 125.00 | .15208 | .15482 | .37878 | 220.05 |
| Stddev | .00011 | .00028 | .44    | .00013 | .00055 | .00211 | .67    |
| %RSD   | .96849 | 54.169 | .35091 | .08606 | .35605 | .55747 | .30369 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01097 | .00084 | 124.61 | .15221 | .15473 | .38113 | 219.34 |
| #2 | .01100 | .00043 | 125.47 | .15207 | .15542 | .37816 | 220.14 |
| #3 | .01080 | .00030 | 124.91 | .15195 | .15433 | .37705 | 220.67 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.0675 | 63.887 | .22236 | -.03131 | 9.2744 | .49652 | .79241 |
| Stddev | .0207  | .386   | .00128 | .00017  | .0444  | .00331 | .00093 |
| %RSD   | .50881 | .60414 | .57424 | .55011  | .47832 | .66649 | .11674 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.0480 | 63.451 | .22379 | -.03142 | 9.2239 | .49442 | .79335 |
| #2 | 4.0892 | 64.023 | .22132 | -.03138 | 9.3071 | .50034 | .79150 |
| #3 | 4.0653 | 64.186 | .22198 | -.03111 | 9.2923 | .49482 | .79236 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.1100 | .00179 | 1.3818 | 4.8463 | 4.4753 | .01617 | 4.9028 |
| Stddev | .0282  | .00025 | .0067  | .0157  | .0575  | .00058 | .0077  |
| %RSD   | .30983 | 13.743 | .48315 | .32360 | 1.2840 | 3.6169 | .15677 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.1101 | .00196 | 1.3822 | 4.8642 | 4.5397 | .01647 | 4.9090 |
| #2 | 9.0817 | .00189 | 1.3882 | 4.8347 | 4.4292 | .01550 | 4.9053 |
| #3 | 9.1382 | .00151 | 1.3749 | 4.8402 | 4.4570 | .01654 | 4.8942 |

Sample Name: K2647-07      Acquired: 5/10/2019 15:30:30      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |          |
|--------|--------|--------|--------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg    | .11428 | 8.845  | .22396 | <.00000 | F<.00000 |
| Stddev | .00058 | .038   | .00352 | .25404  | 5.7298   |
| %RSD   | .50361 | .4345  | 1.5726 | 8.1239  | 1.4565   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .11457 | 8.890 | .22601 | -2.9054 | -395.67 |
| #2 | .11362 | 8.821 | .22597 | -3.4043 | -397.63 |
| #3 | .11466 | 8.825 | .21989 | -3.0716 | -386.87 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5129.0 | 62405. | 6902.8 | 71.903 | 4089.6 |
| Stddev    | 9.9    | 52.    | 29.7   | .482   | 4.0    |
| %RSD      | .19369 | .08253 | .42982 | .67080 | .09755 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5132.7 | 62464. | 6882.5 | 72.324 | 4093.4 |
| #2 | 5117.7 | 62384. | 6889.1 | 71.376 | 4089.9 |
| #3 | 5136.5 | 62368. | 6936.9 | 72.007 | 4085.5 |

Sample Name: CCV03      Acquired: 5/10/2019 15:35:03      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14942      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0446 | 5.0810 | 4.9876 | 5.1029 | 5.0393 | 10.010 | 10.055 | .25441   |
| Stddev | .0226  | .0144  | .0140  | .0282  | .0169  | .027   | .065   | .00055   |
| %RSD   | .44724 | .28285 | .28152 | .55185 | .33564 | .27095 | .64413 | .21450   |
| #1     | 5.0297 | 5.0773 | 4.9948 | 5.0953 | 5.0275 | 9.9916 | 10.089 | .25380   |
| #2     | 5.0706 | 5.0968 | 4.9966 | 5.1340 | 5.0587 | 9.9962 | 10.095 | .25487   |
| #3     | 5.0335 | 5.0687 | 4.9714 | 5.0793 | 5.0317 | 10.041 | 9.9801 | .25455   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5018 | 25.772 | 1.0254 | 2.5202 | 1.2664 | 5.1491 | 2.5744 | 25.315   |
| Stddev | .0089  | .240   | .0020  | .0096  | .0053  | .0024  | .0014  | .044     |
| %RSD   | .35489 | .93151 | .19577 | .38115 | .42269 | .04708 | .05388 | .17577   |
| #1     | 2.5058 | 25.495 | 1.0261 | 2.5221 | 1.2663 | 5.1471 | 2.5760 | 25.366   |
| #2     | 2.5080 | 25.901 | 1.0231 | 2.5288 | 1.2717 | 5.1484 | 2.5738 | 25.289   |
| #3     | 2.4917 | 25.921 | 1.0269 | 2.5098 | 1.2610 | 5.1518 | 2.5734 | 25.289   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5205 | 1.2724 | 25.017 | 2.5654 | 2.4863 | 25.302 | 5.1284 | 5.0366   |
| Stddev | .0069  | .0035  | .052   | .0033  | .0099  | .144   | .0149  | .0534    |
| %RSD   | .27385 | .27611 | .20943 | .12948 | .39985 | .56994 | .29078 | 1.0596   |
| #1     | 2.5237 | 1.2725 | 24.991 | 2.5682 | 2.4882 | 25.313 | 5.1194 | 4.9996   |
| #2     | 2.5252 | 1.2758 | 24.982 | 2.5663 | 2.4952 | 25.152 | 5.1457 | 5.0125   |
| #3     | 2.5126 | 1.2688 | 25.077 | 2.5617 | 2.4755 | 25.440 | 5.1203 | 5.0978   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0706 | 5.1059 | 5.0255 | 5.0712 | 4.9850 | 5.143  | 5.0827 | F 3.7495 |
| Stddev | .0288  | .0559  | .0229  | .0537  | .0447  | .028   | .0455  | .1938    |
| %RSD   | .56752 | 1.0940 | .45610 | 1.0596 | .89570 | .5528  | .89444 | 5.1682   |
| #1     | 5.0826 | 5.0533 | 5.0306 | 5.0094 | 4.9382 | 5.168  | 5.0325 | 3.8270   |
| #2     | 5.0914 | 5.1645 | 5.0455 | 5.0977 | 5.0271 | 5.147  | 5.1211 | 3.5290   |
| #3     | 5.0377 | 5.0999 | 5.0005 | 5.1066 | 4.9897 | 5.112  | 5.0946 | 3.8925   |

Sample Name: CCV03      Acquired: 5/10/2019 15:35:03      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14942      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.6291 |
| Stddev | 3.0839   |
| %RSD   | 84.976   |

|    |        |
|----|--------|
| #1 | 5.6373 |
| #2 | .07832 |
| #3 | 5.1718 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4034.2 | 48568. | 5120.9 | 73.539 | 4298.1 |
| Stddev    | 9.9    | 73.    | 49.1   | 1.185  | 15.7   |
| %RSD      | .24629 | .15099 | .95895 | 1.6111 | .36572 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4035.2 | 48503. | 5166.3 | 73.398 | 4285.6 |
| #2 | 4023.8 | 48553. | 5068.8 | 72.432 | 4293.1 |
| #3 | 4043.6 | 48648. | 5127.5 | 74.788 | 4315.8 |

Sample Name: CCB03      Acquired: 5/10/2019 15:51:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14942      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |         |         |         |         |          |
|--------|---------|---------|----------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00250  | .00041  | F .00581 | -.00053 | .00188  | -.01218 | .00070  | .00003   |
| Stddev | .00196  | .00033  | .00023   | .00334  | .00103  | .00646  | .00053  | .00007   |
| %RSD   | 78.737  | 81.590  | 3.9107   | 634.29  | 54.669  | 53.027  | 75.896  | 201.00   |
| #1     | .00468  | .00070  | .00590   | .00316  | .00083  | -.01317 | .00123  | .00011   |
| #2     | .00089  | .00048  | .00555   | -.00337 | .00288  | -.00529 | .00068  | .00001   |
| #3     | .00192  | .00005  | .00598   | -.00137 | .00193  | -.01809 | .00018  | -.00002  |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001 | .00867  | -.00024  | -.00016 | -.00065 | .00363  | .00002  | -.00117  |
| Stddev | .00006  | .01297  | .00006   | .00007  | .00026  | .00079  | .00002  | .04908   |
| %RSD   | 406.57  | 149.55  | 23.302   | 45.879  | 40.048  | 21.736  | 97.424  | 4189.5   |
| #1     | -.00004 | -.00540 | -.00021  | -.00008 | -.00036 | .00395  | .00001  | .05386   |
| #2     | -.00005 | .01126  | -.00020  | -.00018 | -.00073 | .00420  | .00005  | -.04040  |
| #3     | .00005  | .02016  | -.00031  | -.00023 | -.00086 | .00273  | .00001  | -.01697  |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00016 | -.00044 | -.07012  | .00022  | .00528  | -.06737 | -.00004 | .01421   |
| Stddev | .00037  | .00030  | .00603   | .00017  | .00128  | .00238  | .00046  | .01951   |
| %RSD   | 232.61  | 69.208  | 8.6055   | 78.840  | 24.203  | 3.5294  | 1053.7  | 137.26   |
| #1     | .00027  | -.00014 | -.06423  | .00040  | .00664  | -.06695 | -.00050 | .01267   |
| #2     | -.00042 | -.00074 | -.07629  | .00006  | .00510  | -.06523 | -.00004 | .03445   |
| #3     | -.00033 | -.00043 | -.06984  | .00019  | .00410  | -.06993 | .00042  | -.00448  |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00379 | .00231  | -.00062  | -.00061 | -.00183 | .0021   | .00019  | F 1.7383 |
| Stddev | .00175  | .00037  | .00085   | .00126  | .00144  | .0021   | .00004  | .2536    |
| %RSD   | 46.196  | 16.233  | 138.21   | 208.25  | 78.615  | 97.06   | 20.702  | 14.589   |
| #1     | -.00448 | .00188  | -.00158  | .00084  | -.00176 | .0002   | .00023  | 1.5266   |
| #2     | -.00510 | .00247  | -.00031  | -.00113 | -.00043 | .0019   | .00018  | 1.6688   |
| #3     | -.00180 | .00257  | .00004   | -.00152 | -.00330 | .0043   | .00015  | 2.0194   |

Sample Name: CCB03      Acquired: 5/10/2019 15:51:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14942      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 1.1273  
Stddev      4.4726  
%RSD      396.75

#1      -3.3417  
#2      5.6034  
#3      1.1202

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4249.3 | 51332. | 5212.8 | 75.608 | 4869.3 |
| Stddev    | 21.2   | 207.   | 68.4   | 2.228  | 17.4   |
| %RSD      | .49816 | .40326 | 1.3124 | 2.9465 | .35751 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4228.9 | 51239. | 5163.1 | 78.108 | 4851.0 |
| #2 | 4248.0 | 51187. | 5184.5 | 74.883 | 4871.3 |
| #3 | 4271.1 | 51569. | 5290.8 | 73.833 | 4885.7 |

Sample Name: K2746-01      Acquired: 5/10/2019 15:56:19      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-5.8.19      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00073 | -.03142 | .26223 | -.10862 | .00491 | 178.46 | 1.3866 |
| Stddev | .00061  | .00436  | .00381 | .00475  | .00135 | .31    | .0032  |
| %RSD   | 83.888  | 13.868  | 1.4528 | 4.3693  | 27.517 | .17386 | .22710 |

|    |         |         |        |         |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|
| #1 | -.00143 | -.02717 | .25915 | -.10404 | .00598 | 178.43 | 1.3846 |
| #2 | -.00049 | -.03122 | .26649 | -.10830 | .00536 | 178.79 | 1.3850 |
| #3 | -.00028 | -.03587 | .26103 | -.11351 | .00339 | 178.17 | 1.3902 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .02180 | .01823 | 235.73 | -.03153 | .44935 | 2.7463 | 440.32 |
| Stddev | .00008 | .00043 | .67    | .00079  | .00210 | .0049  | 2.43   |
| %RSD   | .35885 | 2.3856 | .28456 | 2.5055  | .46787 | .17749 | .55115 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .02174 | .01776 | 235.23 | -.03243 | .44700 | 2.7409 | 442.44 |
| #2 | .02189 | .01828 | 236.49 | -.03121 | .44998 | 2.7505 | 440.83 |
| #3 | .02177 | .01863 | 235.46 | -.03095 | .45106 | 2.7474 | 437.67 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.5920 | 175.05 | .23748 | -.09405 | 21.068 | 1.5796 | 1.6788 |
| Stddev | .0145  | .09    | .00135 | .00063  | .038   | .0025  | .0040  |
| %RSD   | .19101 | .05404 | .56672 | .67454  | .17906 | .15964 | .23700 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.6045 | 175.15 | .23602 | -.09405 | 21.025 | 1.5825 | 1.6742 |
| #2 | 7.5955 | 175.04 | .23776 | -.09342 | 21.085 | 1.5778 | 1.6805 |
| #3 | 7.5761 | 174.96 | .23867 | -.09468 | 21.094 | 1.5786 | 1.6817 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.916 | -.00388 | 6.5491 | 2.6417 | 4.3561 | .03942 | 8.3243 |
| Stddev | .105   | .00030  | .0534  | .0095  | .0276  | .00061 | .0170  |
| %RSD   | .58750 | 7.6765  | .81487 | .36031 | .63439 | 1.5471 | .20457 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 17.986 | -.00362 | 6.5323 | 2.6307 | 4.3666 | .03872 | 8.3111 |
| #2 | 17.967 | -.00421 | 6.5062 | 2.6463 | 4.3769 | .03985 | 8.3435 |
| #3 | 17.795 | -.00381 | 6.6089 | 2.6480 | 4.3247 | .03969 | 8.3184 |

Sample Name: K2746-01      Acquired: 5/10/2019 15:56:19      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-5.8.19      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .10948 | F 17.91 | .08246 | <.00000 | F<.00000 |
| Stddev    | .00058 | .04     | .00207 | .17408  | 8.1541   |
| %RSD      | .53099 | .2431   | 2.5057 | 5.8399  | .73694   |
| #1        | .11005 | 17.86   | .08013 | -2.7884 | -1104.8  |
| #2        | .10889 | 17.93   | .08319 | -3.0269 | -1099.3  |
| #3        | .10949 | 17.95   | .08406 | -3.1273 | -1115.3  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4578.9 | 55993.  | 6285.0 | 66.811  | 3702.2   |
| Stddev    | 7.3    | 277.    | 37.7   | 1.183   | 5.2      |
| %RSD      | .15898 | .49447  | .59925 | 1.7707  | .14044   |
| #1        | 4581.4 | 55701.  | 6253.4 | 66.570  | 3708.1   |
| #2        | 4570.7 | 56027.  | 6275.0 | 68.096  | 3698.6   |
| #3        | 4584.6 | 56252.  | 6326.7 | 65.767  | 3699.8   |

Sample Name: K2749-01      Acquired: 5/10/2019 16:00:55      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRS-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .58476 | -.01507 | 8.0300 | -.02066 | .02442 | 171.57 | 1.5506 |
| Stddev | .00614 | .00219  | .0171  | .00472  | .00186 | 1.10   | .0131  |
| %RSD   | 1.0508 | 14.538  | .21344 | 22.843  | 7.6043 | .64255 | .84453 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .57901 | -.01554 | 8.0396 | -.01632 | .02456 | 172.64 | 1.5651 |
| #2 | .59124 | -.01698 | 8.0102 | -.01998 | .02249 | 171.65 | 1.5472 |
| #3 | .58402 | -.01268 | 8.0402 | -.02569 | .02620 | 170.44 | 1.5395 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00963 | .11650 | 1361.4 | .39845 | .09700 | 25.593 | 131.88 |
| Stddev | .00012 | .00039 | 3.1    | .00126 | .00019 | .023   | 1.13   |
| %RSD   | 1.2553 | .33421 | .22632 | .31519 | .19363 | .08983 | .85549 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00953 | .11674 | 1358.3 | .39825 | .09688 | 25.572 | 132.88 |
| #2 | .00960 | .11605 | 1364.4 | .39730 | .09722 | 25.618 | 132.11 |
| #3 | .00976 | .11671 | 1361.5 | .39979 | .09690 | 25.591 | 130.66 |

|        |        |        |        |         |        |        |          |
|--------|--------|--------|--------|---------|--------|--------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | 3.8808 | 77.207 | .38903 | -.02053 | 16.103 | .41532 | F 50.324 |
| Stddev | .0070  | .465   | .00138 | .00052  | .110   | .00062 | .544     |
| %RSD   | .18045 | .60264 | .35383 | 2.5301  | .68516 | .14814 | 1.0804   |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.8886 | 77.630 | .38905 | -.01993 | 16.230 | .41603 | 50.316 |
| #2 | 3.8787 | 77.284 | .38764 | -.02091 | 16.045 | .41506 | 49.784 |
| #3 | 3.8751 | 76.708 | .39040 | -.02073 | 16.034 | .41489 | 50.871 |

|        |        |         |        |          |        |        |        |
|--------|--------|---------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 23.155 | -.00842 | .34808 | F 40.409 | .98972 | .03751 | 5.5251 |
| Stddev | .107   | .00045  | .01189 | .158     | .00635 | .00251 | .0113  |
| %RSD   | .46173 | 5.3666  | 3.4153 | .39069   | .64154 | 6.6970 | .20431 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 23.274 | -.00810 | .34174 | 40.461 | .99183 | .03992 | 5.5138 |
| #2 | 23.124 | -.00894 | .34070 | 40.232 | .99475 | .03772 | 5.5363 |
| #3 | 23.067 | -.00823 | .36179 | 40.535 | .98259 | .03490 | 5.5250 |

Sample Name: K2749-01      Acquired: 5/10/2019 16:00:55      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRS-1      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |          |        |          |
|-----------|--------|---------|----------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm      | ppm    | ppm      |
| Avg       | .19299 | F 10.73 | F 10.809 | 4.3167 | F<.00000 |
| Stddev    | .00148 | .01     | .141     | .0725  | 2.2573   |
| %RSD      | .76691 | .0774   | 1.3063   | 1.6805 | 2.2797   |
| #1        | .19394 | 10.72   | 10.672   | 4.3999 | -96.415  |
| #2        | .19129 | 10.72   | 10.954   | 4.2674 | -100.43  |
| #3        | .19374 | 10.73   | 10.801   | 4.2826 | -100.21  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 3765.4 | 46388.  | 5419.0   | 68.072 | 3550.7   |
| Stddev    | 7.2    | 228.    | 18.0     | 1.221  | 6.3      |
| %RSD      | .19049 | .49140  | .33142   | 1.7932 | .17732   |
| #1        | 3767.2 | 46136.  | 5423.5   | 66.798 | 3543.5   |
| #2        | 3757.5 | 46448.  | 5399.2   | 69.231 | 3555.1   |
| #3        | 3771.5 | 46580.  | 5434.2   | 68.188 | 3553.6   |

Sample Name: K2749-03      Acquired: 5/10/2019 16:05:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRS-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .03272 | -.01426 | 1.1478 | -.01786 | .00616 | 158.64 | 1.2005 |
| Stddev | .00156 | .00162  | .0030  | .00220  | .00295 | 1.19   | .0092  |
| %RSD   | 4.7800 | 11.381  | .26459 | 12.293  | 47.921 | .74996 | .76524 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .03175 | -.01564 | 1.1443 | -.01965 | .00483 | 159.32 | 1.2058 |
| #2 | .03452 | -.01466 | 1.1496 | -.01541 | .00410 | 159.33 | 1.2059 |
| #3 | .03189 | -.01247 | 1.1495 | -.01853 | .00954 | 157.27 | 1.1899 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00865 | .06095 | 1586.0 | .22220 | .05068 | 6.0300 | 125.43 |
| Stddev | .00011 | .00014 | 11.4   | .00187 | .00016 | .0210  | .45    |
| %RSD   | 1.2686 | .23395 | .71616 | .84089 | .32160 | .34750 | .35897 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00875 | .06080 | 1580.2 | .22435 | .05053 | 6.0105 | 124.91 |
| #2 | .00868 | .06108 | 1578.7 | .22122 | .05066 | 6.0522 | 125.74 |
| #3 | .00853 | .06098 | 1599.1 | .22103 | .05085 | 6.0272 | 125.62 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.2913 | 76.547 | .17086 | -.02689 | 14.122 | .20534 | 28.642 |
| Stddev | .0022  | .271   | .00096 | .00040  | .098   | .00184 | .049   |
| %RSD   | .06713 | .35466 | .56455 | 1.4917  | .69112 | .89460 | .17209 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.2910 | 76.287 | .17129 | -.02735 | 14.155 | .20740 | 28.597 |
| #2 | 3.2936 | 76.828 | .17154 | -.02662 | 14.199 | .20477 | 28.695 |
| #3 | 3.2892 | 76.525 | .16976 | -.02669 | 14.013 | .20386 | 28.635 |

|        |        |         |        |          |        |         |        |
|--------|--------|---------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 22.756 | -.00389 | .35668 | F 47.577 | .81938 | -.00082 | 4.9365 |
| Stddev | .193   | .00057  | .00842 | .172     | .00911 | .00130  | .0105  |
| %RSD   | .84829 | 14.727  | 2.3609 | .36167   | 1.1115 | 159.09  | .21346 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 22.839 | -.00395 | .35566 | 47.383 | .82459 | .00044  | 4.9439 |
| #2 | 22.894 | -.00443 | .36556 | 47.709 | .80886 | -.00074 | 4.9411 |
| #3 | 22.536 | -.00329 | .34881 | 47.641 | .82468 | -.00216 | 4.9244 |

Sample Name: K2749-03      Acquired: 5/10/2019 16:05:47      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRS-2      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |          |        |          |
|-----------|--------|--------|----------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg       | .18657 | 6.553  | F 13.812 | 4.4887 | F<.00000 |
| Stddev    | .00157 | .032   | .085     | .2810  | 3.1074   |
| %RSD      | .84053 | .4831  | .61624   | 6.2603 | 3.7970   |
| #1        | .18821 | 6.521  | 13.863   | 4.3257 | -82.943  |
| #2        | .18508 | 6.556  | 13.859   | 4.8132 | -84.240  |
| #3        | .18641 | 6.584  | 13.713   | 4.3272 | -78.328  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 3725.3 | 44967. | 5273.6   | 64.864 | 3511.2   |
| Stddev    | 12.8   | 115.   | 32.8     | .387   | 6.9      |
| %RSD      | .34401 | .25681 | .62288   | .59638 | .19637   |
| #1        | 3737.0 | 44857. | 5269.2   | 64.718 | 3513.7   |
| #2        | 3711.6 | 44956. | 5308.4   | 64.572 | 3503.4   |
| #3        | 3727.3 | 45087. | 5243.2   | 65.303 | 3516.5   |

Sample Name: K2749-05      Acquired: 5/10/2019 16:10:32      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FR-COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04204 | -.01339 | .67393 | -.01850 | .00147 | 160.11 | 1.2427 |
| Stddev | .00069 | .00212  | .00118 | .00429  | .00219 | .42    | .0040  |
| %RSD   | 1.6312 | 15.855  | .17536 | 23.172  | 149.61 | .26321 | .32085 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04154 | -.01575 | .67518 | -.02123 | -.00076 | 159.95 | 1.2409 |
| #2 | .04176 | -.01164 | .67378 | -.02070 | .00154  | 159.79 | 1.2400 |
| #3 | .04282 | -.01279 | .67283 | -.01356 | .00363  | 160.59 | 1.2473 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00806 | .01898 | 1598.8 | .16701 | .05217 | .18730 | 113.13 |
| Stddev | .00007 | .00017 | 19.0   | .00057 | .00077 | .00095 | .49    |
| %RSD   | .85885 | .88017 | 1.1914 | .34318 | 1.4846 | .50768 | .43287 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00814 | .01882 | 1598.7 | .16759 | .05306 | .18709 | 113.34 |
| #2 | .00805 | .01897 | 1579.8 | .16645 | .05174 | .18834 | 112.57 |
| #3 | .00800 | .01915 | 1617.9 | .16699 | .05170 | .18648 | 113.48 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.7708 | 105.41 | .10368 | -.02517 | 12.310 | .16604 | 1.3621 |
| Stddev | .0034  | .71    | .00091 | .00019  | .054   | .00151 | .0013  |
| %RSD   | .12253 | .66967 | .88165 | .73708  | .44071 | .90744 | .09853 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.7722 | 104.64 | .10267 | -.02504 | 12.299 | .16553 | 1.3625 |
| #2 | 2.7733 | 105.54 | .10444 | -.02509 | 12.263 | .16774 | 1.3632 |
| #3 | 2.7669 | 106.04 | .10392 | -.02538 | 12.369 | .16486 | 1.3606 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 16.383 | .00044 | .35464 | F 55.283 | 4.0370 | -.00556 | 4.6413 |
| Stddev | .061   | .00022 | .01364 | .061     | .0093  | .00127  | .0189  |
| %RSD   | .37200 | 51.238 | 3.8467 | .11043   | .22963 | 22.863  | .40655 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 16.383 | .00022 | .36594 | 55.347 | 4.0471 | -.00571 | 4.6551 |
| #2 | 16.322 | .00043 | .33949 | 55.226 | 4.0289 | -.00676 | 4.6490 |
| #3 | 16.444 | .00066 | .35850 | 55.276 | 4.0349 | -.00423 | 4.6198 |

Sample Name: K2749-05      Acquired: 5/10/2019 16:10:32      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FR-COMP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .17815 | 7.007  | 6.7194 | 4.1175 | F<.00000 |
| Stddev | .00163 | .006   | .0611  | .1326  | 1.8704   |
| %RSD   | .91422 | .0848  | .90978 | 3.2197 | 2.6702   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .18001 | 7.012 | 6.7264 | 4.2445 | -72.074 |
| #2 | .17743 | 7.000 | 6.7767 | 4.1280 | -68.390 |
| #3 | .17700 | 7.009 | 6.6551 | 3.9800 | -69.669 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3771.1 | 45222. | 5384.0 | 67.965 | 3507.1 |
| Stddev    | 13.2   | 85.    | 16.6   | 1.016  | 1.2    |
| %RSD      | .35018 | .18815 | .30822 | 1.4955 | .03515 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3763.6 | 45236. | 5367.5 | 69.004 | 3506.7 |
| #2 | 3763.3 | 45299. | 5400.7 | 67.919 | 3508.4 |
| #3 | 3786.3 | 45131. | 5383.7 | 66.973 | 3506.1 |

Sample Name: K2750-03      Acquired: 5/10/2019 16:15:16      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 72-11995      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00759 | -.00118 | .03843 | .00123 | .21262 | 22.226 | .22994 |
| Stddev | .00304 | .00134  | .00123 | .00354 | .00049 | .071   | .00145 |
| %RSD   | 40.059 | 113.85  | 3.2046 | 287.52 | .22994 | .31817 | .63193 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00416 | -.00099 | .03985 | -.00016 | .21243 | 22.237 | .23099 |
| #2 | .00994 | -.00261 | .03766 | -.00140 | .21225 | 22.150 | .22828 |
| #3 | .00868 | .00006  | .03778 | .00525  | .21317 | 22.290 | .23056 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00203 | -.00214 | 12.739 | .04206 | .02180 | .10590 | 57.694 |
| Stddev | .00009 | .00003  | .056   | .00029 | .00022 | .00075 | .275   |
| %RSD   | 4.6823 | 1.2875  | .43578 | .68509 | .99930 | .71186 | .47633 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00195 | -.00211 | 12.675 | .04184 | .02176 | .10677 | 57.383 |
| #2 | .00200 | -.00216 | 12.772 | .04238 | .02161 | .10543 | 57.792 |
| #3 | .00213 | -.00215 | 12.771 | .04195 | .02204 | .10549 | 57.906 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9116 | 9.1199 | .04509 | -.00374 | 2.3239 | .03952 | 2.3602 |
| Stddev | .0011  | .0222  | .00048 | .00037  | .0230  | .00046 | .0038  |
| %RSD   | .05524 | .24301 | 1.0684 | 9.9634  | .98904 | 1.1635 | .16226 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9104 | 9.0944 | .04475 | -.00416 | 2.3053 | .03925 | 2.3646 |
| #2 | 1.9122 | 9.1339 | .04488 | -.00348 | 2.3168 | .04005 | 2.3577 |
| #3 | 1.9123 | 9.1315 | .04564 | -.00357 | 2.3496 | .03926 | 2.3583 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1550 | -.00002 | .07946 | .78965 | 1.3348 | .00229 | .49205 |
| Stddev | .0528  | .00005  | .00661 | .00443 | .0087  | .00056 | .00386 |
| %RSD   | 1.2706 | 256.90  | 8.3171 | .56112 | .64930 | 24.341 | .78499 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 4.0940 | .00002  | .08189 | .78959 | 1.3311 | .00248 | .48763 |
| #2 | 4.1875 | -.00008 | .08451 | .78526 | 1.3447 | .00167 | .49375 |
| #3 | 4.1834 | -.00000 | .07198 | .79412 | 1.3286 | .00273 | .49476 |

Sample Name: K2750-03      Acquired: 5/10/2019 16:15:16      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 72-11995      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02370 | 1.310  | .00005 | 1.2471 | F<.00000 |
| Stddev | .00064 | .006   | .00015 | .0815  | 1.1491   |
| %RSD   | 2.7112 | .4757  | 297.11 | 6.5354 | 1.9363   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .02296 | 1.303 | .00016  | 1.2014 | -58.127 |
| #2 | .02404 | 1.311 | -.00012 | 1.3412 | -60.410 |
| #3 | .02410 | 1.315 | .00012  | 1.1987 | -59.499 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4274.8 | 51636. | 5427.2 | 74.744 | 4659.0 |
| Stddev    | 10.6   | 70.    | 22.1   | 1.595  | 9.4    |
| %RSD      | .24696 | .13535 | .40784 | 2.1338 | .20155 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4262.7 | 51672. | 5445.7 | 73.367 | 4648.3 |
| #2 | 4280.4 | 51680. | 5402.6 | 76.492 | 4663.3 |
| #3 | 4281.4 | 51555. | 5433.1 | 74.375 | 4665.6 |

Sample Name: K2754-05      Acquired: 5/10/2019 16:19:42      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: C-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01512 | -.17295 | .27448 | -.16654 | .01000 | 527.82 | 1.6476 |
| Stddev | .00232 | .00096  | .00526 | .00795  | .00191 | 6.83   | .0242  |
| %RSD   | 15.364 | .55717  | 1.9148 | 4.7732  | 19.058 | 1.2949 | 1.4678 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01329 | -.17398 | .27237 | -.16239 | .00781 | 519.99 | 1.6198 |
| #2 | .01433 | -.17207 | .28046 | -.17571 | .01098 | 532.60 | 1.6640 |
| #3 | .01774 | -.17280 | .27060 | -.16153 | .01122 | 530.86 | 1.6589 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .04042 | .03904 | 32.983 | F 2.5798 | .85571 | 1.1813 | 518.11 |
| Stddev | .00032 | .00018 | .217   | .0280    | .00330 | .0016  | .08    |
| %RSD   | .79774 | .46658 | .65894 | 1.0851   | .38522 | .13698 | .01448 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04006 | .03888 | 32.841 | 2.5494 | .85336 | 1.1806 | 518.10 |
| #2 | .04052 | .03901 | 32.874 | 2.5854 | .85948 | 1.1832 | 518.04 |
| #3 | .04068 | .03924 | 33.233 | 2.6045 | .85430 | 1.1802 | 518.19 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 15.750 | 101.26 | 1.0725 | -.14726 | 45.852 | 2.7391 | 1.0964 |
| Stddev | .417   | 1.53   | .0022  | .00257  | .643   | .0219  | .0042  |
| %RSD   | 2.6471 | 1.5098 | .20388 | 1.7434  | 1.4018 | .80089 | .37955 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 15.285 | 99.521 | 1.0724 | -.14435 | 45.112 | 2.7141 | 1.0941 |
| #2 | 15.872 | 102.39 | 1.0748 | -.14822 | 46.277 | 2.7480 | 1.1012 |
| #3 | 16.092 | 101.87 | 1.0704 | -.14921 | 46.166 | 2.7552 | 1.0938 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 8.3324 | -.01188 | .21212 | 2.1401 | 1.4485 | .06236 | F 29.750 |
| Stddev | .1021  | .00009  | .01260 | .0082  | .0118  | .00181 | .173     |
| %RSD   | 1.2252 | .78512  | 5.9424 | .38436 | .81467 | 2.9080 | .58229   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 8.2183 | -.01184 | .19765 | 2.1454 | 1.4562 | .06037 | 29.674 |
| #2 | 8.3639 | -.01181 | .22072 | 2.1443 | 1.4349 | .06392 | 29.628 |
| #3 | 8.4150 | -.01199 | .21798 | 2.1306 | 1.4543 | .06280 | 29.948 |

Sample Name: K2754-05      Acquired: 5/10/2019 16:19:42      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: C-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .15286 | 7.780  | -.36764 | <.00000 | F<.00000 |
| Stddev | .00009 | .016   | .00080  | .18443  | 22.230   |
| %RSD   | .05712 | .1992  | .21849  | 2.9394  | 1.3352   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .15296 | 7.766 | -.36745 | -6.4202 | -1686.4 |
| #2 | .15283 | 7.796 | -.36852 | -6.0672 | -1666.5 |
| #3 | .15279 | 7.777 | -.36694 | -6.3365 | -1642.0 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4847.9 | 58077. | 6717.1 | 67.718 | 3615.1 |
| Stddev    | 5.3    | 513.   | 66.7   | 1.620  | 7.1    |
| %RSD      | .10840 | .88416 | .99226 | 2.3929 | .19773 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4851.3 | 58652. | 6683.9 | 68.926 | 3622.2 |
| #2 | 4841.9 | 57914. | 6793.9 | 68.352 | 3607.9 |
| #3 | 4850.6 | 57665. | 6673.6 | 65.877 | 3615.2 |

Sample Name: K2754-07      Acquired: 5/10/2019 16:24:13      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: C-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01987 | -.11763 | .21980 | -.11575 | .00532 | 505.11 | 1.6488 |
| Stddev | .00176 | .00403  | .00035 | .00555  | .00435 | 2.16   | .0103  |
| %RSD   | 8.8733 | 3.4294  | .15940 | 4.7924  | 81.647 | .42667 | .62169 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .02190 | -.11304 | .21970 | -.11845 | .00318 | 502.69 | 1.6374 |
| #2 | .01872 | -.11922 | .21951 | -.11944 | .01032 | 506.84 | 1.6573 |
| #3 | .01899 | -.12062 | .22019 | -.10937 | .00247 | 505.80 | 1.6516 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03338 | .02267 | 47.973 | 1.8304 | .67060 | 1.0117 | 471.83 |
| Stddev | .00044 | .00034 | .121   | .0029  | .00286 | .0023  | 1.23   |
| %RSD   | 1.3286 | 1.4936 | .25319 | .15723 | .42690 | .22614 | .26023 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03311 | .02279 | 48.046 | 1.8273 | .67019 | 1.0133 | 470.61 |
| #2 | .03390 | .02293 | 47.833 | 1.8329 | .67364 | 1.0128 | 471.82 |
| #3 | .03315 | .02228 | 48.041 | 1.8310 | .66796 | 1.0091 | 473.06 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 13.002 | 109.50 | .89642 | -.11295 | 31.171 | 2.1245 | .89324 |
| Stddev | .043   | .76    | .00073 | .00071  | .183   | .0076  | .00091 |
| %RSD   | .33306 | .69026 | .08158 | .63207  | .58614 | .35610 | .10228 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 13.014 | 108.64 | .89570 | -.11270 | 30.979 | 2.1163 | .89392 |
| #2 | 13.039 | 110.01 | .89716 | -.11240 | 31.342 | 2.1312 | .89360 |
| #3 | 12.955 | 109.87 | .89639 | -.11376 | 31.194 | 2.1260 | .89221 |

|        |        |         |        |        |        |        |          |
|--------|--------|---------|--------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 7.8783 | -.00965 | .25210 | 1.5935 | 7.6311 | .05253 | F 21.928 |
| Stddev | .0402  | .00043  | .01464 | .0057  | .1023  | .00165 | .102     |
| %RSD   | .51052 | 4.4404  | 5.8090 | .36049 | 1.3401 | 3.1392 | .46525   |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.8458 | -.00931 | .24947 | 1.5956 | 7.7325 | .05064 | 21.999 |
| #2 | 7.9233 | -.00950 | .26789 | 1.5870 | 7.5280 | .05369 | 21.811 |
| #3 | 7.8659 | -.01013 | .23895 | 1.5980 | 7.6327 | .05325 | 21.973 |

Sample Name: K2754-07      Acquired: 5/10/2019 16:24:13      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: C-2      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .14406 | 6.813  | -.17517 | <.00000 | F<.00000 |
| Stddev    | .00214 | .037   | .00188  | .07217  | 5.7523   |
| %RSD      | 1.4868 | .5448  | 1.0734  | 1.6908  | .43292   |
| #1        | .14642 | 6.853  | -.17307 | -4.2707 | -1329.3  |
| #2        | .14224 | 6.808  | -.17671 | -4.1946 | -1322.7  |
| #3        | .14350 | 6.779  | -.17574 | -4.3389 | -1334.2  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4778.9 | 56866. | 6523.3  | 67.575  | 3724.3   |
| Stddev    | 10.8   | 86.    | 64.9    | 1.311   | 2.4      |
| %RSD      | .22571 | .15061 | .99473  | 1.9394  | .06396   |
| #1        | 4776.7 | 56805. | 6454.5  | 67.117  | 3724.2   |
| #2        | 4769.5 | 56829. | 6583.4  | 66.555  | 3722.1   |
| #3        | 4790.7 | 56964. | 6532.1  | 69.053  | 3726.8   |

Sample Name: K2759-01      Acquired: 5/10/2019 16:28:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-0D015-03-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .10716 | -.02788 | .21834 | -.02638 | .00373 | 179.27 | 1.3009 |
| Stddev | .00282 | .00175  | .00347 | .00399  | .00138 | .41    | .0033  |
| %RSD   | 2.6319 | 6.2830  | 1.5913 | 15.137  | 36.958 | .22860 | .25040 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .10833 | -.02754 | .22233 | -.02561 | .00485 | 178.81 | 1.2974 |
| #2 | .10921 | -.02978 | .21597 | -.03070 | .00415 | 179.58 | 1.3038 |
| #3 | .10395 | -.02633 | .21672 | -.02283 | .00219 | 179.43 | 1.3015 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01326 | .00173 | 1550.7 | .32431 | .08564 | .32778 | 189.31 |
| Stddev | .00011 | .00013 | 5.1    | .00062 | .00039 | .00213 | .51    |
| %RSD   | .82283 | 7.4590 | .32719 | .19213 | .45139 | .64838 | .26702 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01316 | .00164 | 1554.6 | .32433 | .08522 | .32855 | 189.86 |
| #2 | .01324 | .00188 | 1544.9 | .32368 | .08572 | .32940 | 188.87 |
| #3 | .01337 | .00167 | 1552.4 | .32493 | .08597 | .32537 | 189.21 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.5685 | 181.73 | .23236 | -.03905 | 10.640 | .40944 | 1.2547 |
| Stddev | .0064  | .47    | .00096 | .00034  | .034   | .00277 | .0025  |
| %RSD   | .17844 | .26124 | .41199 | .86932  | .31758 | .67741 | .19648 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.5650 | 181.20 | .23262 | -.03869 | 10.607 | .40805 | 1.2522 |
| #2 | 3.5758 | 182.11 | .23316 | -.03910 | 10.674 | .41263 | 1.2572 |
| #3 | 3.5646 | 181.88 | .23130 | -.03936 | 10.637 | .40763 | 1.2546 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 39.666 | .03678 | .38814 | F 60.884 | .82511 | .00726 | 7.8467 |
| Stddev | .167   | .00056 | .00324 | .181     | .01584 | .00147 | .0162  |
| %RSD   | .42157 | 1.5098 | .83558 | .29754   | 1.9200 | 20.202 | .20589 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 39.538 | .03676 | .38873 | 60.886 | .84257 | .00574 | 7.8565 |
| #2 | 39.604 | .03734 | .39105 | 61.064 | .82112 | .00867 | 7.8280 |
| #3 | 39.855 | .03623 | .38465 | 60.701 | .81165 | .00738 | 7.8555 |

Sample Name: K2759-01      Acquired: 5/10/2019 16:28:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-0D015-03-      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .29687 | 7.119  | 5.1382 | 3.5893 | F<.00000 |
| Stddev    | .00027 | .009   | .0055  | .0415  | 2.9499   |
| %RSD      | .09042 | .1191  | .10683 | 1.1562 | 1.6264   |
| #1        | .29715 | 7.124  | 5.1351 | 3.5841 | -178.98  |
| #2        | .29661 | 7.125  | 5.1350 | 3.5507 | -180.48  |
| #3        | .29686 | 7.110  | 5.1446 | 3.6332 | -184.67  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3803.3 | 45806. | 5469.1 | 64.644 | 3423.7   |
| Stddev    | 14.4   | 17.    | 16.4   | 2.389  | 6.6      |
| %RSD      | .37914 | .03761 | .29955 | 3.6951 | .19356   |
| #1        | 3800.1 | 45815. | 5461.1 | 63.617 | 3428.1   |
| #2        | 3790.8 | 45786. | 5487.9 | 67.374 | 3416.0   |
| #3        | 3819.1 | 45816. | 5458.2 | 62.940 | 3426.8   |

Sample Name: PB119632BL      Acquired: 5/10/2019 16:33:17      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119609BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |          |         |         |         |         |          |
|--------|----------|---------|----------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00040   | -.00098 | F .00375 | -.00180 | .00114  | -.00610 | .00009  | .00002   |
| Stddev | .00163   | .00061  | .00089   | .00139  | .00076  | .00411  | .00075  | .00005   |
| %RSD   | 403.24   | 61.635  | 23.806   | 76.973  | 66.448  | 67.330  | 832.62  | 278.64   |
| #1     | -.00124  | -.00061 | .00410   | -.00029 | .00151  | -.00169 | -.00068 | .00007   |
| #2     | .00043   | -.00168 | .00441   | -.00209 | .00163  | -.00678 | .00082  | -.00003  |
| #3     | .00202   | -.00065 | .00274   | -.00302 | .00027  | -.00982 | .00012  | .00002   |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004  | .03147  | .00005   | -.00025 | -.00101 | .00531  | .00007  | -.00784  |
| Stddev | .00006   | .00878  | .00015   | .00017  | .00061  | .00232  | .00004  | .01437   |
| %RSD   | 159.62   | 27.901  | 289.19   | 66.581  | 61.005  | 43.688  | 58.873  | 183.34   |
| #1     | -.00000  | .03885  | .00004   | -.00044 | -.00037 | .00791  | .00005  | -.02142  |
| #2     | -.00010  | .03380  | .00020   | -.00018 | -.00160 | .00345  | .00005  | .00721   |
| #3     | -.00001  | .02176  | -.00009  | -.00013 | -.00105 | .00457  | .00012  | -.00931  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00014  | .00016  | -.10172  | -.00003 | .00165  | -.08795 | -.00013 | .01238   |
| Stddev | .00043   | .00026  | .00739   | .00038  | .00022  | .03604  | .00017  | .01378   |
| %RSD   | 313.91   | 158.12  | 7.2685   | 1413.4  | 13.606  | 40.983  | 134.38  | 111.28   |
| #1     | -.00029  | -.00012 | -.09347  | .00005  | .00190  | -.10223 | -.00032 | .02555   |
| #2     | .00035   | .00039  | -.10774  | -.00044 | .00159  | -.04695 | .00001  | -.00193  |
| #3     | -.00047  | .00022  | -.10396  | .00031  | .00147  | -.11466 | -.00007 | .01352   |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00894 | .00543  | -.00120  | .00128  | -.00295 | .0029   | .00013  | F 1.6289 |
| Stddev | .00265   | .00137  | .00036   | .00096  | .00186  | .0014   | .00008  | .6654    |
| %RSD   | 29.648   | 25.244  | 29.927   | 75.099  | 62.889  | 49.53   | 60.261  | 40.850   |
| #1     | .01189   | .00681  | -.00083  | .00048  | -.00159 | .0041   | .00023  | 2.1953   |
| #2     | .00816   | .00542  | -.00122  | .00101  | -.00220 | .0031   | .00010  | .89608   |
| #3     | .00677   | .00407  | -.00154  | .00235  | -.00507 | .0013   | .00008  | 1.7954   |

Sample Name: PB119632BL      Acquired: 5/10/2019 16:33:17      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119609BL      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .78297 |
| Stddev | 2.1795   |
| %RSD   | 278.36   |

|    |         |
|----|---------|
| #1 | 2.9260  |
| #2 | .85404  |
| #3 | -1.4312 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4233.0 | 51551. | 5147.9 | 73.411 | 4837.0 |
| Stddev    | 10.4   | 2084.  | 7.8    | 1.035  | 12.0   |
| %RSD      | .24588 | 4.0421 | .15195 | 1.4091 | .24744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4223.1 | 49622. | 5138.9 | 73.467 | 4824.6 |
| #2 | 4232.0 | 53761. | 5153.0 | 74.417 | 4837.8 |
| #3 | 4243.9 | 51271. | 5151.7 | 72.350 | 4848.5 |

Sample Name: PB119632BS      Acquired: 5/10/2019 16:37:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119609BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960   | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .81871 | 2.1353 | 1.0449 | 2.0892   | .76897 | 2.0776 | .21619 |
| Stddev | .00609 | .0053  | .0008  | .0036    | .00354 | .0274  | .00152 |
| %RSD   | .74369 | .24799 | .07926 | .17011   | .46013 | 1.3201 | .70317 |
| #1     | .82333 | 2.1402 | 1.0459 | 2.0903   | .76810 | 2.0500 | .21555 |
| #2     | .82100 | 2.1359 | 1.0446 | 2.0921   | .77287 | 2.1048 | .21793 |
| #3     | .81181 | 2.1297 | 1.0443 | 2.0852   | .76596 | 2.0778 | .21510 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .20435 | .20607 | 1.1827 | .45428   | .21490 | .33577 | 3.4067 |
| Stddev | .00024 | .00096 | .0164  | .00029   | .00042 | .00111 | .0073  |
| %RSD   | .11963 | .46393 | 1.3870 | .06407   | .19499 | .33024 | .21270 |
| #1     | .20438 | .20688 | 1.1648 | .45412   | .21488 | .33578 | 3.3992 |
| #2     | .20458 | .20502 | 1.1865 | .45411   | .21533 | .33687 | 3.4073 |
| #3     | .20409 | .20633 | 1.1969 | .45462   | .21449 | .33465 | 3.4137 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .22508 | 2.1720 | .53640 | .07158   | 3.1707 | .33989 | .20176 |
| Stddev | .00029 | .0296  | .00149 | .00038   | .0207  | .00065 | .00037 |
| %RSD   | .13055 | 1.3613 | .27723 | .53787   | .65158 | .19108 | .18492 |
| #1     | .22475 | 2.2026 | .53753 | .07115   | 3.1486 | .33919 | .20174 |
| #2     | .22529 | 2.1436 | .53694 | .07191   | 3.1896 | .34001 | .20214 |
| #3     | .22520 | 2.1697 | .53471 | .07167   | 3.1739 | .34048 | .20140 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.765 | .41356 | .31172 | F .00616 | .93396 | .65665 | .20023 |
| Stddev | .064   | .00059 | .00643 | .00200   | .00397 | .00162 | .00339 |
| %RSD   | .59318 | .14302 | 2.0616 | 32.530   | .42516 | .24606 | 1.6912 |
| #1     | 10.703 | .41307 | .30698 | .00752   | .93373 | .65695 | .19690 |
| #2     | 10.831 | .41422 | .31904 | .00386   | .93010 | .65491 | .20367 |
| #3     | 10.761 | .41339 | .30915 | .00709   | .93804 | .65809 | .20014 |

Sample Name: PB119632BS      Acquired: 5/10/2019 16:37:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119609BS      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .21984 | 5.773  | .21848 | F 1.7867 | F<.00000 |
| Stddev    | .00288 | .020   | .00070 | .1477    | 1.0719   |
| %RSD      | 1.3112 | .3386  | .31871 | 8.2645   | 9.4201   |
| #1        | .21660 | 5.779  | .21768 | 1.6841   | -10.961  |
| #2        | .22081 | 5.789  | .21896 | 1.7200   | -12.597  |
| #3        | .22212 | 5.751  | .21880 | 1.9559   | -10.579  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4197.6 | 50956. | 5116.9 | 73.373   | 4746.2   |
| Stddev    | 13.0   | 125.   | 7.0    | 1.972    | 19.0     |
| %RSD      | .31053 | .24483 | .13745 | 2.6880   | .40042   |
| #1        | 4188.8 | 50890. | 5124.2 | 75.335   | 4729.4   |
| #2        | 4191.5 | 50878. | 5116.3 | 73.393   | 4742.2   |
| #3        | 4212.6 | 51100. | 5110.1 | 71.391   | 4766.8   |

Sample Name: CCV04      Acquired: 5/10/2019 16:41:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0659 | 5.1130 | 4.9945 | 5.1298 | 5.0563 | 10.049 | 10.031 | .25240   |
| Stddev | .0101  | .0145  | .0031  | .0021  | .0112  | .081   | .036   | .00073   |
| %RSD   | .19899 | .28426 | .06284 | .04048 | .22113 | .81000 | .35641 | .29016   |
| #1     | 5.0592 | 5.1262 | 4.9959 | 5.1278 | 5.0688 | 9.9622 | 9.9906 | .25156   |
| #2     | 5.0775 | 5.1154 | 4.9909 | 5.1297 | 5.0528 | 10.062 | 10.059 | .25279   |
| #3     | 5.0609 | 5.0974 | 4.9966 | 5.1319 | 5.0473 | 10.124 | 10.043 | .25286   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5168 | 25.802 | 1.0265 | 2.5238 | 1.2664 | 5.1376 | 2.5547 | 25.237   |
| Stddev | .0017  | .165   | .0026  | .0016  | .0004  | .0093  | .0088  | .234     |
| %RSD   | .06911 | .63885 | .25086 | .06220 | .03290 | .18110 | .34474 | .92751   |
| #1     | 2.5188 | 25.636 | 1.0238 | 2.5253 | 1.2659 | 5.1280 | 2.5453 | 24.972   |
| #2     | 2.5156 | 25.803 | 1.0267 | 2.5222 | 1.2667 | 5.1466 | 2.5627 | 25.321   |
| #3     | 2.5160 | 25.966 | 1.0289 | 2.5240 | 1.2665 | 5.1383 | 2.5561 | 25.417   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5307 | 1.2686 | 25.077 | 2.5527 | 2.4826 | 25.480 | 5.1458 | 5.0675   |
| Stddev | .0019  | .0025  | .090   | .0109  | .0027  | .120   | .0036  | .0959    |
| %RSD   | .07624 | .19546 | .35705 | .42594 | .10839 | .46997 | .06999 | 1.8920   |
| #1     | 2.5306 | 1.2657 | 24.974 | 2.5424 | 2.4857 | 25.362 | 5.1500 | 4.9657   |
| #2     | 2.5289 | 1.2702 | 25.133 | 2.5641 | 2.4808 | 25.601 | 5.1443 | 5.0806   |
| #3     | 2.5327 | 1.2697 | 25.124 | 2.5516 | 2.4812 | 25.476 | 5.1433 | 5.1561   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1478 | 5.1159 | 5.0431 | 5.0755 | 5.0340 | 5.222  | 5.1030 | F 3.0020 |
| Stddev | .0105  | .0238  | .0103  | .0117  | .0209  | .006   | .0147  | .2541    |
| %RSD   | .20321 | .46535 | .20428 | .22988 | .41567 | .1238  | .28754 | 8.4634   |
| #1     | 5.1590 | 5.1431 | 5.0449 | 5.0620 | 5.0425 | 5.226  | 5.1144 | 2.7971   |
| #2     | 5.1382 | 5.1056 | 5.0524 | 5.0821 | 5.0492 | 5.215  | 5.1081 | 3.2863   |
| #3     | 5.1462 | 5.0990 | 5.0320 | 5.0823 | 5.0101 | 5.226  | 5.0865 | 2.9227   |

Sample Name: CCV04      Acquired: 5/10/2019 16:41:51      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV04      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.6598 |
| Stddev | 1.1621   |
| %RSD   | 70.015   |

|    |        |
|----|--------|
| #1 | 2.9346 |
| #2 | .65969 |
| #3 | 1.3850 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4053.0 | 48646. | 5105.2 | 69.720 | 4303.3 |
| Stddev    | 8.5    | 117.   | 18.0   | 1.462  | 10.0   |
| %RSD      | .20899 | .24005 | .35210 | 2.0963 | .23290 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4045.4 | 48779. | 5093.1 | 68.795 | 4294.8 |
| #2 | 4062.1 | 48559. | 5096.6 | 68.960 | 4314.3 |
| #3 | 4051.4 | 48601. | 5125.8 | 71.405 | 4300.7 |

Sample Name: CCB04      Acquired: 5/10/2019 16:45:49      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB04      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00134  | .00058  | .00290  | -.00008 | .00214  | -.00880 | .00044  | .00006   |
| Stddev | .00149  | .00066  | .00069  | .00141  | .00148  | .00470  | .00011  | .00007   |
| %RSD   | 111.18  | 112.32  | 23.735  | 1699.5  | 68.847  | 53.401  | 25.635  | 123.82   |
| #1     | .00305  | .00112  | .00295  | -.00027 | .00091  | -.01272 | .00032  | .00005   |
| #2     | .00030  | .00078  | .00355  | .00141  | .00174  | -.00359 | .00055  | .00013   |
| #3     | .00068  | -.00015 | .00218  | -.00139 | .00378  | -.01009 | .00045  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004  | .00571  | -.00027 | -.00014 | -.00107 | .00069  | .00001  | -.02230  |
| Stddev | .00005  | .02361  | .00011  | .00015  | .00019  | .00030  | .00002  | .04047   |
| %RSD   | 117.91  | 413.22  | 40.196  | 108.28  | 17.513  | 42.802  | 174.99  | 181.45   |
| #1     | .00001  | .02593  | -.00016 | -.00027 | -.00085 | .00040  | .00002  | .00495   |
| #2     | .00009  | .01145  | -.00027 | .00002  | -.00119 | .00099  | -.00001 | -.00305  |
| #3     | .00001  | -.02024 | -.00038 | -.00017 | -.00116 | .00069  | .00002  | -.06881  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00006 | .00009  | -.10734 | -.00002 | .00007  | -.11330 | .00053  | .00563   |
| Stddev | .00022  | .00017  | .00624  | .00038  | .00003  | .00573  | .00030  | .00169   |
| %RSD   | 392.39  | 175.03  | 5.8126  | 1600.0  | 45.689  | 5.0560  | 56.815  | 30.041   |
| #1     | -.00021 | .00009  | -.10032 | -.00046 | .00010  | -.11990 | .00082  | .00371   |
| #2     | .00020  | -.00007 | -.11225 | .00026  | .00004  | -.10962 | .00055  | .00691   |
| #3     | -.00016 | .00026  | -.10944 | .00013  | .00006  | -.11037 | .00022  | .00626   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00518 | .00522  | .00044  | -.00100 | -.00131 | -.0001  | .00012  | F 1.6906 |
| Stddev | .00155  | .00251  | .00041  | .00085  | .00081  | .0015   | .00002  | .1303    |
| %RSD   | 29.871  | 48.022  | 94.939  | 85.208  | 61.741  | 1162.   | 13.729  | 7.7075   |
| #1     | -.00478 | .00682  | .00045  | -.00051 | -.00206 | -.0017  | .00010  | 1.8002   |
| #2     | -.00387 | .00650  | .00085  | -.00199 | -.00045 | .0003   | .00012  | 1.7249   |
| #3     | -.00689 | .00233  | .00002  | -.00051 | -.00142 | .0011   | .00013  | 1.5465   |

Sample Name: CCB04      Acquired: 5/10/2019 16:45:49      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB04      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F .25867  
Stddev      3.0284  
%RSD      1170.8

#1      3.4052  
#2      .00684  
#3      -2.6360

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4241.4 | 51165. | 5138.9 | 73.108 | 4859.0 |
| Stddev    | 6.2    | 126.   | 19.3   | 1.952  | 4.3    |
| %RSD      | .14553 | .24689 | .37486 | 2.6701 | .08883 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4235.5 | 51164. | 5133.1 | 71.308 | 4854.6 |
| #2 | 4247.9 | 51291. | 5160.4 | 72.833 | 4863.3 |
| #3 | 4240.9 | 51039. | 5123.2 | 75.183 | 4859.1 |

Sample Name: PB119633BL      Acquired: 5/10/2019 16:50:18      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119610BL      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00240  | -.00063 | .00172  | -.00214 | .00183  | -.00690 | .00046  | .00002   |
| Stddev | .00141  | .00085  | .00094  | .00154  | .00036  | .00268  | .00099  | .00003   |
| %RSD   | 58.924  | 133.78  | 54.781  | 72.010  | 19.481  | 38.907  | 215.14  | 163.75   |
| #1     | .00286  | -.00025 | .00164  | -.00053 | .00161  | -.00528 | -.00027 | .00005   |
| #2     | .00351  | -.00004 | .00081  | -.00229 | .00165  | -.01000 | .00159  | .00002   |
| #3     | .00081  | -.00160 | .00269  | -.00361 | .00225  | -.00542 | .00007  | -.00001  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000  | .00703  | .00017  | -.00013 | -.00089 | -.00022 | .00001  | -.04812  |
| Stddev | .00005  | .01330  | .00040  | .00011  | .00025  | .00099  | .00003  | .02610   |
| %RSD   | 1867.6  | 189.14  | 232.76  | 86.395  | 27.985  | 444.15  | 311.77  | 54.238   |
| #1     | .00002  | -.00766 | .00049  | -.00022 | -.00064 | .00062  | .00001  | -.05494  |
| #2     | -.00005 | .01050  | -.00027 | -.00000 | -.00114 | -.00132 | -.00002 | -.07013  |
| #3     | .00003  | .01825  | .00029  | -.00016 | -.00090 | .00003  | .00004  | -.01929  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00038 | .00053  | -.12071 | .00001  | -.00024 | -.13273 | -.00025 | .01137   |
| Stddev | .00024  | .00023  | .00893  | .00007  | .00004  | .01161  | .00023  | .01674   |
| %RSD   | 62.998  | 42.672  | 7.3965  | 866.48  | 17.864  | 8.7491  | 94.627  | 147.27   |
| #1     | -.00063 | .00074  | -.11395 | -.00002 | -.00020 | -.13663 | -.00046 | .01281   |
| #2     | -.00034 | .00029  | -.13083 | -.00004 | -.00028 | -.11966 | .00000  | -.00605  |
| #3     | -.00016 | .00057  | -.11736 | .00008  | -.00025 | -.14188 | -.00029 | .02734   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00637 | .00169  | -.00116 | .00003  | -.00176 | .0015   | -.00002 | F 1.8863 |
| Stddev | .00198  | .00367  | .00040  | .00150  | .00083  | .0006   | .00007  | .0379    |
| %RSD   | 31.033  | 216.59  | 34.960  | 4404.1  | 47.154  | 37.79   | 327.17  | 2.0063   |
| #1     | -.00520 | -.00169 | -.00075 | -.00148 | -.00201 | .0013   | -.00010 | 1.8837   |
| #2     | -.00526 | .00558  | -.00116 | .00151  | -.00243 | .0010   | .00002  | 1.8498   |
| #3     | -.00866 | .00119  | -.00156 | .00007  | -.00083 | .0021   | .00002  | 1.9253   |

Sample Name: PB119633BL      Acquired: 5/10/2019 16:50:18      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119610BL      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 2.7048 |
| Stddev | 1.0653   |
| %RSD   | 39.385   |

|    |        |
|----|--------|
| #1 | 3.7260 |
| #2 | 2.7880 |
| #3 | 1.6003 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4244.1 | 51132. | 5161.4 | 73.856 | 4850.5 |
| Stddev    | 4.5    | 159.   | 13.9   | 1.057  | 4.9    |
| %RSD      | .10687 | .31169 | .26916 | 1.4309 | .10127 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4247.6 | 51074. | 5177.4 | 73.942 | 4853.9 |
| #2 | 4238.9 | 51312. | 5153.1 | 72.758 | 4844.8 |
| #3 | 4245.6 | 51009. | 5153.7 | 74.867 | 4852.6 |

Sample Name: PB119633BS      Acquired: 5/10/2019 16:54:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119610BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960    | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .78031 | 2.0647 | .99611 | 2.0563    | .78931 | 1.9054 | .19744 |
| Stddev | .00153 | .0019  | .00327 | .0067     | .00304 | .0044  | .00170 |
| %RSD   | .19575 | .09346 | .32862 | .32840    | .38489 | .23188 | .86111 |
| #1     | .77940 | 2.0662 | .99728 | 2.0503    | .78606 | 1.9044 | .19556 |
| #2     | .77946 | 2.0655 | .99242 | 2.0550    | .78979 | 1.9103 | .19887 |
| #3     | .78208 | 2.0625 | .99864 | 2.0636    | .79208 | 1.9016 | .19790 |
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677    | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .20101 | .19860 | 1.0654 | .41793    | .20085 | .31863 | 3.1822 |
| Stddev | .00046 | .00040 | .0514  | .00173    | .00060 | .00053 | .0031  |
| %RSD   | .22983 | .20382 | 4.8243 | .41307    | .30035 | .16765 | .09651 |
| #1     | .20058 | .19814 | 1.0087 | .41593    | .20016 | .31832 | 3.1837 |
| #2     | .20095 | .19878 | 1.1090 | .41893    | .20108 | .31831 | 3.1786 |
| #3     | .20150 | .19889 | 1.0786 | .41891    | .20130 | .31924 | 3.1842 |
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280    | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | .21007 | 2.0466 | .50336 | .07352    | 2.8823 | .31046 | .19327 |
| Stddev | .00044 | .0212  | .00059 | .00015    | .0235  | .00094 | .00017 |
| %RSD   | .21148 | 1.0351 | .11757 | .19988    | .81516 | .30255 | .08886 |
| #1     | .21052 | 2.0316 | .50273 | .07350    | 2.8553 | .31134 | .19319 |
| #2     | .21006 | 2.0709 | .50346 | .07339    | 2.8936 | .30947 | .19347 |
| #3     | .20963 | 2.0375 | .50390 | .07368    | 2.8980 | .31057 | .19316 |
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 9.8273 | .40721 | .29745 | F -.00955 | .94199 | .67590 | .19381 |
| Stddev | .0479  | .00208 | .00810 | .00430    | .02999 | .00086 | .00783 |
| %RSD   | .48766 | .51173 | 2.7247 | 45.018    | 3.1834 | .12733 | 4.0416 |
| #1     | 9.7782 | .40485 | .29575 | -.01035   | .90744 | .67492 | .18485 |
| #2     | 9.8739 | .40802 | .30628 | -.01339   | .95737 | .67624 | .19723 |
| #3     | 9.8297 | .40877 | .29034 | -.00491   | .96117 | .67653 | .19936 |

Sample Name: PB119633BS      Acquired: 5/10/2019 16:54:47      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119610BS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |          |          |
|--------|--------|--------|--------|----------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg    | .19747 | 5.588  | .19744 | F 2.3481 | F<.00000 |
| Stddev | .00553 | .009   | .00603 | .0383    | 1.8795   |
| %RSD   | 2.7989 | .1701  | 3.0553 | 1.6306   | 20.173   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19109 | 5.593 | .19049 | 2.3902 | -10.902 |
| #2 | .20047 | 5.577 | .20129 | 2.3154 | -9.8086 |
| #3 | .20084 | 5.595 | .20055 | 2.3388 | -7.2405 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4223.5 | 50847. | 5207.1 | 74.997 | 4744.5 |
| Stddev    | 2.4    | 88.    | 122.6  | 2.940  | 8.5    |
| %RSD      | .05793 | .17272 | 2.3552 | 3.9201 | .17985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4220.8 | 50777. | 5347.6 | 78.392 | 4734.7 |
| #2 | 4224.3 | 50820. | 5121.5 | 73.342 | 4749.8 |
| #3 | 4225.4 | 50946. | 5152.3 | 73.258 | 4749.1 |

Sample Name: PB119635BL      Acquired: 5/10/2019 16:58:56      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00096  | -.00084 | .00077  | .00153  | .00157  | -.01198 | .00074  | -.00005  |
| Stddev | .00358  | .00041  | .00018  | .00066  | .00104  | .00784  | .00042  | .00003   |
| %RSD   | 374.85  | 49.158  | 23.565  | 43.411  | 66.397  | 65.477  | 57.102  | 58.852   |
| #1     | -.00224 | -.00037 | .00082  | .00225  | .00230  | -.02104 | .00120  | -.00008  |
| #2     | .00027  | -.00113 | .00057  | .00138  | .00038  | -.00761 | .00061  | -.00003  |
| #3     | .00483  | -.00101 | .00092  | .00095  | .00204  | -.00729 | .00039  | -.00004  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00000  | -.00612 | -.00006 | -.00009 | -.00114 | -.00013 | -.00001 | .00168   |
| Stddev | .00004  | .00736  | .00051  | .00018  | .00034  | .00067  | .00007  | .04897   |
| %RSD   | 3857.8  | 120.16  | 895.41  | 212.51  | 29.365  | 508.27  | 530.63  | 2923.6   |
| #1     | -.00003 | -.01410 | .00051  | -.00019 | -.00080 | .00061  | -.00009 | -.02555  |
| #2     | -.00002 | .00040  | -.00020 | .00013  | -.00148 | -.00069 | .00000  | .05821   |
| #3     | .00005  | -.00467 | -.00048 | -.00020 | -.00115 | -.00032 | .00005  | -.02764  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00014  | -.00011 | -.11012 | -.00020 | -.00005 | -.10989 | -.00011 | -.00604  |
| Stddev | .00015  | .00090  | .00576  | .00028  | .00009  | .00841  | .00012  | .01190   |
| %RSD   | 104.71  | 794.14  | 5.2343  | 135.86  | 172.04  | 7.6545  | 114.90  | 197.17   |
| #1     | .00016  | -.00094 | -.11163 | -.00050 | -.00015 | -.10391 | -.00010 | .00632   |
| #2     | -.00002 | .00085  | -.10375 | -.00016 | -.00005 | -.11951 | -.00023 | -.01743  |
| #3     | .00027  | -.00024 | -.11498 | .00005  | .00004  | -.10625 | .00001  | -.00700  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00949 | .00307  | -.00070 | -.00034 | -.00294 | .0013   | -.00004 | F 1.7591 |
| Stddev | .00188  | .00065  | .00088  | .00097  | .00250  | .0012   | .00015  | .1122    |
| %RSD   | 19.844  | 21.264  | 126.61  | 281.27  | 84.999  | 89.00   | 347.58  | 6.3791   |
| #1     | -.01166 | .00237  | -.00131 | -.00093 | -.00572 | .0001   | .00012  | 1.6327   |
| #2     | -.00827 | .00318  | .00031  | .00077  | -.00090 | .0014   | -.00011 | 1.8469   |
| #3     | -.00855 | .00367  | -.00109 | -.00088 | -.00218 | .0025   | -.00014 | 1.7976   |

Sample Name: PB119635BL      Acquired: 5/10/2019 16:58:56      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.5448  
Stddev      .7300  
%RSD      28.687

#1      3.3481  
#2      1.9218  
#3      2.3647

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4237.5 | 51082. | 5181.8 | 75.350 | 4844.6 |
| Stddev    | 7.0    | 159.   | 15.8   | .895   | 4.9    |
| %RSD      | .16612 | .31127 | .30478 | 1.1877 | .10176 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4229.8 | 50959. | 5193.8 | 75.858 | 4848.5 |
| #2 | 4238.9 | 51026. | 5187.7 | 75.875 | 4846.2 |
| #3 | 4243.7 | 51261. | 5163.9 | 74.317 | 4839.0 |

Sample Name: PB119635BS      Acquired: 5/10/2019 17:03:24      Type: Unk  
Method: P4-ICP2(v3107)      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    | .79357 | 2.1039 | 1.0107 | 2.0881 | .79958 | 1.9642 | .20386 |
| Stddev | .00699 | .0086  | .0053  | .0123  | .00352 | .0150  | .00121 |
| %RSD   | .88055 | .41111 | .52598 | .58684 | .43981 | .76529 | .59466 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80076 | 2.1122 | 1.0166 | 2.1018 | .79802 | 1.9494 | .20414 |
| #2 | .78681 | 2.1047 | 1.0063 | 2.0782 | .79711 | 1.9639 | .20254 |
| #3 | .79315 | 2.0949 | 1.0091 | 2.0842 | .80360 | 1.9794 | .20492 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20367 | .20158 | 1.0725 | .42398 | .20420 | .32397 | 3.2240 |
| Stddev | .00008 | .00072 | .0125  | .00132 | .00080 | .00028 | .0048  |
| %RSD   | .04058 | .35751 | 1.1625 | .31155 | .39060 | .08767 | .15028 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20364 | .20239 | 1.0594 | .42423 | .20507 | .32430 | 3.2230 |
| #2 | .20360 | .20103 | 1.0738 | .42255 | .20401 | .32382 | 3.2293 |
| #3 | .20376 | .20131 | 1.0842 | .42516 | .20351 | .32380 | 3.2197 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21253 | 2.0736 | .51204 | .07513 | 2.9892 | .31500 | .19534 |
| Stddev | .00065 | .0866  | .00191 | .00075 | .0251  | .00131 | .00052 |
| %RSD   | .30613 | 4.1738 | .37255 | .99742 | .83917 | .41606 | .26836 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21188 | 1.9867 | .51387 | .07481 | 2.9734 | .31400 | .19590 |
| #2 | .21318 | 2.0744 | .51006 | .07460 | 2.9762 | .31452 | .19529 |
| #3 | .21253 | 2.1598 | .51217 | .07599 | 3.0182 | .31648 | .19485 |

|        |        |        |        |           |        |        |        |
|--------|--------|--------|--------|-----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820    | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm       | ppm    | ppm    | ppm    |
| Avg    | 10.108 | .41190 | .29180 | F -.01260 | .94996 | .68447 | .20183 |
| Stddev | .091   | .00055 | .00363 | .00377    | .00723 | .00322 | .00350 |
| %RSD   | .90198 | .13239 | 1.2443 | 29.931    | .76111 | .47023 | 1.7331 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.013 | .41253 | .28794 | -.01425 | .94295 | .68818 | .20255 |
| #2 | 10.116 | .41158 | .29231 | -.01525 | .95739 | .68246 | .20491 |
| #3 | 10.194 | .41159 | .29515 | -.00828 | .94953 | .68276 | .19803 |

Sample Name: PB119635BS      Acquired: 5/10/2019 17:03:24      Type: Unk  
Method: P4-ICP2(v3107)      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    | .20394 | 5.681  | .20351 | F 2.3761 | F<.00000 |
| Stddev | .00095 | .029   | .00209 | .1673    | 2.0406   |
| %RSD   | .46534 | .5074  | 1.0265 | 7.0408   | 21.655   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20489 | 5.712 | .20365 | 2.3036 | -9.2803 |
| #2 | .20394 | 5.655 | .20553 | 2.5674 | -7.4581 |
| #3 | .20299 | 5.676 | .20136 | 2.2572 | -11.532 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4192.6 | 50600. | 5144.2 | 74.307 | 4713.4 |
| Stddev    | 5.0    | 39.    | 39.6   | .801   | 9.1    |
| %RSD      | .11937 | .07682 | .76913 | 1.0782 | .19268 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4194.4 | 50565. | 5155.1 | 73.775 | 4706.2 |
| #2 | 4186.9 | 50594. | 5100.3 | 73.917 | 4710.3 |
| #3 | 4196.4 | 50642. | 5177.2 | 75.228 | 4723.6 |

Sample Name: K2760-01      Acquired: 5/10/2019 17:07:31      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-0D015-03-      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06354 | -.01356 | .08192 | -.01070 | .00120 | 102.82 | .61176 |
| Stddev | .00215 | .00094  | .00161 | .00120  | .00086 | .30    | .00159 |
| %RSD   | 3.3860 | 6.9462  | 1.9636 | 11.206  | 71.430 | .28895 | .25943 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .06149 | -.01425 | .08033 | -.01117 | .00059 | 103.11 | .61254 |
| #2 | .06334 | -.01395 | .08355 | -.01159 | .00083 | 102.82 | .61281 |
| #3 | .06578 | -.01249 | .08189 | -.00933 | .00218 | 102.52 | .60994 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00670 | -.00276 | 943.50 | .22744 | .04662 | .18189 | 116.12 |
| Stddev | .00012 | .00017  | .67    | .00148 | .00054 | .00087 | .32    |
| %RSD   | 1.7501 | 6.2314  | .07064 | .64933 | 1.1560 | .48022 | .27859 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00656 | -.00260 | 942.73 | .22591 | .04642 | .18227 | 115.78 |
| #2 | .00677 | -.00275 | 943.90 | .22755 | .04621 | .18250 | 116.43 |
| #3 | .00676 | -.00294 | 943.87 | .22886 | .04723 | .18089 | 116.16 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.9994 | 111.69 | .13057 | -.02153 | 4.9623 | .22982 | .60790 |
| Stddev | .0016  | .27    | .00141 | .00014  | .0149  | .00101 | .00349 |
| %RSD   | .07835 | .24088 | 1.0799 | .66196  | .30055 | .43829 | .57376 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.9976 | 111.38 | .12954 | -.02143 | 4.9504 | .22870 | .60545 |
| #2 | 2.0002 | 111.86 | .13001 | -.02146 | 4.9790 | .23066 | .60636 |
| #3 | 2.0003 | 111.84 | .13218 | -.02169 | 4.9574 | .23009 | .61190 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 18.286 | .00798 | .23927 | F 34.044 | 1.1057 | .00136 | 4.4892 |
| Stddev | .086   | .00051 | .00543 | .160     | .0060  | .00153 | .0069  |
| %RSD   | .47008 | 6.4004 | 2.2689 | .47002   | .54510 | 112.56 | .15402 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 18.340 | .00773 | .23538 | 33.929 | 1.1037 | -.00024 | 4.4933 |
| #2 | 18.332 | .00764 | .24547 | 33.975 | 1.1124 | .00151  | 4.4812 |
| #3 | 18.187 | .00857 | .23695 | 34.226 | 1.1009 | .00282  | 4.4930 |

Sample Name: K2760-01      Acquired: 5/10/2019 17:07:31      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-0D015-03-      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .26641 | 3.376  | 2.8841 | 4.1252 | F<.00000 |
| Stddev | .00260 | .018   | .0025  | .0866  | 8.4727   |
| %RSD   | .97577 | .5359  | .08665 | 2.0985 | 8.8151   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .26795 | 3.367 | 2.8863 | 4.2208 | -100.39 |
| #2 | .26787 | 3.364 | 2.8846 | 4.0521 | -86.358 |
| #3 | .26341 | 3.397 | 2.8814 | 4.1027 | -101.60 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3849.9 | 46519. | 5323.0 | 67.273 | 3727.9 |
| Stddev    | 1.3    | 76.    | 5.6    | 2.026  | 17.9   |
| %RSD      | .03296 | .16320 | .10533 | 3.0110 | .47992 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3850.0 | 46573. | 5328.2 | 68.559 | 3738.2 |
| #2 | 3851.1 | 46432. | 5317.1 | 68.321 | 3738.3 |
| #3 | 3848.5 | 46552. | 5323.7 | 64.938 | 3707.2 |

Sample Name: K2770-01      Acquired: 5/10/2019 17:11:58      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-STONES      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |        |        |        |
|--------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00641 | -.00042 | -.00324 | -.00111 | .00020 | 44.901 | .19135 |
| Stddev | .00062 | .00122  | .00225  | .00274  | .00053 | .238   | .00065 |
| %RSD   | 9.6227 | 288.06  | 69.310  | 247.38  | 262.05 | .52974 | .33867 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00657 | -.00152 | -.00498 | -.00398 | -.00036 | 44.685 | .19061 |
| #2 | .00694 | .00090  | -.00070 | -.00081 | .00069  | 45.156 | .19164 |
| #3 | .00573 | -.00065 | -.00405 | .00147  | .00027  | 44.861 | .19180 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00191 | -.00398 | 33.595 | -.00211 | .06221 | .78811 | 98.817 |
| Stddev | .00003 | .00003  | .116   | .00009  | .00025 | .00104 | .222   |
| %RSD   | 1.3595 | .83457  | .34652 | 4.1914  | .39645 | .13236 | .22504 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00191 | -.00401 | 33.461 | -.00210 | .06201 | .78740 | 98.572 |
| #2 | .00189 | -.00394 | 33.662 | -.00220 | .06249 | .78931 | 99.007 |
| #3 | .00194 | -.00399 | 33.662 | -.00202 | .06214 | .78762 | 98.872 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .68547 | 18.217 | .04898 | -.00890 | 5.7099 | .24515 | 1.5850 |
| Stddev | .00061 | .073   | .00021 | .00039  | .0276  | .00105 | .0027  |
| %RSD   | .08927 | .39821 | .42892 | 4.3993  | .48246 | .42705 | .17002 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .68509 | 18.148 | .04922 | -.00917 | 5.6845 | .24504 | 1.5847 |
| #2 | .68514 | 18.292 | .04887 | -.00909 | 5.7392 | .24624 | 1.5878 |
| #3 | .68617 | 18.211 | .04884 | -.00845 | 5.7061 | .24415 | 1.5825 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.3404 | -.00149 | .10084 | .87542 | .38105 | .00175 | 1.3022 |
| Stddev | .0083  | .00043  | .00291 | .00208 | .02032 | .00045 | .0066  |
| %RSD   | .24696 | 28.527  | 2.8898 | .23808 | 5.3316 | 25.604 | .50725 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 3.3309 | -.00125 | .09990 | .87782 | .35770 | .00143 | 1.2946 |
| #2 | 3.3450 | -.00198 | .10411 | .87424 | .39468 | .00227 | 1.3067 |
| #3 | 3.3453 | -.00124 | .09852 | .87419 | .39077 | .00157 | 1.3053 |

Sample Name: K2770-01      Acquired: 5/10/2019 17:11:58      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OILY-STONES      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .03255 | 5.587  | .05394 | 1.5378 | F<.00000 |
| Stddev    | .00089 | .009   | .00074 | .0298  | 2.1519   |
| %RSD      | 2.7211 | .1598  | 1.3801 | 1.9382 | 2.0844   |
| #1        | .03198 | 5.587  | .05381 | 1.5049 | -105.70  |
| #2        | .03210 | 5.596  | .05474 | 1.5455 | -102.29  |
| #3        | .03357 | 5.578  | .05327 | 1.5630 | -101.72  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 4325.7 | 52526. | 5493.7 | 73.468 | 4512.0   |
| Stddev    | 6.2    | 152.   | 11.2   | 2.656  | 6.1      |
| %RSD      | .14412 | .28937 | .20297 | 3.6155 | .13519   |
| #1        | 4318.5 | 52659. | 5502.1 | 76.471 | 4510.1   |
| #2        | 4328.9 | 52360. | 5481.0 | 72.511 | 4507.1   |
| #3        | 4329.7 | 52558. | 5497.9 | 71.424 | 4518.9   |

Sample Name: K2770-04      Acquired: 5/10/2019 17:16:23      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SOIL-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04618 | .00913 | .08628 | -.01569 | .00155 | 159.49 | .45462 |
| Stddev | .00307 | .00184 | .00092 | .00162  | .00204 | .68    | .00227 |
| %RSD   | 6.6480 | 20.117 | 1.0643 | 10.353  | 132.22 | .42932 | .49943 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .04471 | .00996 | .08641 | -.01509 | .00152  | 158.83 | .45295 |
| #2 | .04971 | .01041 | .08530 | -.01753 | .00360  | 159.43 | .45370 |
| #3 | .04412 | .00703 | .08712 | -.01445 | -.00048 | 160.20 | .45721 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01695 | -.00255 | 219.70 | .31293 | .09180 | .11179 | 207.64 |
| Stddev | .00041 | .00012  | 2.47   | .00053 | .00054 | .00146 | .26    |
| %RSD   | 2.4139 | 4.6357  | 1.1239 | .16880 | .58596 | 1.3054 | .12498 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01665 | -.00242 | 217.22 | .31232 | .09170 | .11017 | 207.86 |
| #2 | .01742 | -.00258 | 219.72 | .31325 | .09133 | .11221 | 207.35 |
| #3 | .01677 | -.00264 | 222.16 | .31323 | .09239 | .11300 | 207.70 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.1113 | 139.51 | .13738 | -.02459 | 1.4006 | .38547 | .54594 |
| Stddev | .0011  | .49    | .00040 | .00040  | .0143  | .00205 | .00105 |
| %RSD   | .05320 | .35281 | .29383 | 1.6424  | 1.0198 | .53183 | .19154 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.1106 | 139.05 | .13692 | -.02449 | 1.3842 | .38347 | .54714 |
| #2 | 2.1126 | 139.46 | .13769 | -.02504 | 1.4072 | .38757 | .54529 |
| #3 | 2.1107 | 140.03 | .13752 | -.02425 | 1.4104 | .38537 | .54538 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.7218 | .00267 | .14997 | 2.9777 | 4.2665 | .00965 | .60996 |
| Stddev | .0724  | .00039 | .00959 | .0052  | .0309  | .00117 | .00879 |
| %RSD   | .83017 | 14.626 | 6.3928 | .17543 | .72350 | 12.173 | 1.4411 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.6596 | .00242 | .15816 | 2.9817 | 4.2310 | .01027 | .60020 |
| #2 | 8.7045 | .00248 | .13942 | 2.9718 | 4.2873 | .00830 | .61243 |
| #3 | 8.8013 | .00312 | .15232 | 2.9795 | 4.2812 | .01038 | .61725 |

Sample Name: K2770-04      Acquired: 5/10/2019 17:16:23      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SOIL-DRUM      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |        |          |
|-----------|--------|---------|---------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg       | .06101 | F 10.44 | -.01113 | 1.8303 | F<.00000 |
| Stddev    | .00043 | .01     | .00267  | .3488  | 1.6566   |
| %RSD      | .71193 | .0985   | 23.958  | 19.054 | .59004   |
| #1        | .06052 | 10.45   | -.01417 | 2.0640 | -278.91  |
| #2        | .06117 | 10.43   | -.00999 | 1.4295 | -282.11  |
| #3        | .06134 | 10.45   | -.00922 | 1.9976 | -281.28  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4219.9 | 51291.  | 5674.3  | 70.525 | 3996.3   |
| Stddev    | 5.0    | 99.     | 53.3    | 2.629  | 7.5      |
| %RSD      | .11733 | .19394  | .93863  | 3.7275 | .18873   |
| #1        | 4224.7 | 51401.  | 5730.1  | 71.194 | 3989.9   |
| #2        | 4220.1 | 51263.  | 5668.8  | 67.626 | 4004.6   |
| #3        | 4214.8 | 51208.  | 5624.0  | 72.754 | 3994.5   |

Sample Name: K2771-01      Acquired: 5/10/2019 17:20:48      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-PS-01-047      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01371 | -.00201 | .01554 | -.00035 | .00169 | 14.210 | .03225 |
| Stddev | .00212 | .00092  | .00035 | .00104  | .00142 | .146   | .00048 |
| %RSD   | 15.493 | 45.570  | 2.2809 | 298.41  | 83.872 | 1.0299 | 1.5036 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01529 | -.00174 | .01562 | .00031  | .00008 | 14.050 | .03280 |
| #2 | .01455 | -.00303 | .01515 | .00019  | .00277 | 14.242 | .03187 |
| #3 | .01129 | -.00126 | .01585 | -.00154 | .00222 | 14.337 | .03209 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00086 | -.00176 | 2.2091 | .04803 | .00088 | .01572 | 38.094 |
| Stddev | .00008 | .00008  | .0102  | .00014 | .00013 | .00043 | .096   |
| %RSD   | 9.7204 | 4.7313  | .46179 | .28476 | 15.235 | 2.7584 | .25201 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00087 | -.00172 | 2.2056 | .04800 | .00087 | .01559 | 37.989 |
| #2 | .00077 | -.00169 | 2.2011 | .04792 | .00101 | .01536 | 38.116 |
| #3 | .00093 | -.00185 | 2.2206 | .04818 | .00074 | .01620 | 38.177 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05173 | .55577 | .00148 | -.00208 | .06949 | .06692 | .06054 |
| Stddev | .00033 | .02655 | .00015 | .00017  | .00221 | .00026 | .00025 |
| %RSD   | .64644 | 4.7777 | 9.8854 | 7.9926  | 3.1789 | .38975 | .41635 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .05164 | .52515 | .00138 | -.00196 | .07197 | .06717 | .06082 |
| #2 | .05144 | .57247 | .00165 | -.00227 | .06774 | .06665 | .06041 |
| #3 | .05209 | .56968 | .00142 | -.00201 | .06877 | .06692 | .06037 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1636 | .00157 | .04044 | .39155 | 7.3666 | .00005 | .50528 |
| Stddev | .0496  | .00020 | .00331 | .00622 | .1446  | .00071 | .00641 |
| %RSD   | 4.2647 | 12.604 | 8.1731 | 1.5895 | 1.9625 | 1376.4 | 1.2690 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 1.1173 | .00136 | .04358 | .39023 | 7.5289 | .00054  | .50012 |
| #2 | 1.2160 | .00175 | .03699 | .38609 | 7.3193 | -.00077 | .50326 |
| #3 | 1.1576 | .00161 | .04075 | .39833 | 7.2517 | .00039  | .51246 |

Sample Name: K2771-01      Acquired: 5/10/2019 17:20:48      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-PS-01-047      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |         |        |          |
|--------|---------|--------|---------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm      |
| Avg    | -.00321 | .4454  | -.02936 | 1.7397 | F<.00000 |
| Stddev | .00081  | .0014  | .00017  | .1737  | 3.0950   |
| %RSD   | 25.211  | .3175  | .59478  | 9.9856 | 7.3804   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00371 | .4459 | -.02921 | 1.6149 | -40.305 |
| #2 | -.00363 | .4464 | -.02931 | 1.6661 | -39.998 |
| #3 | -.00227 | .4437 | -.02955 | 1.9381 | -45.506 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4308.1 | 52465. | 5396.3 | 76.142 | 4783.9 |
| Stddev    | 13.7   | 13.    | 34.9   | .636   | 5.0    |
| %RSD      | .31893 | .02562 | .64704 | .83588 | .10377 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4293.7 | 52466. | 5356.2 | 76.550 | 4779.4 |
| #2 | 4309.5 | 52452. | 5419.9 | 75.408 | 4789.2 |
| #3 | 4321.1 | 52479. | 5412.7 | 76.467 | 4783.1 |

Sample Name: K2774-01      Acquired: 5/10/2019 17:25:19      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-PS-01-048      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .01761 | -.00052 | .01940 | -.00202 | .00284 | 16.182 | .03681 |
| Stddev | .00160 | .00029  | .00057 | .00125  | .00081 | .228   | .00078 |
| %RSD   | 9.1113 | 56.245  | 2.9198 | 62.058  | 28.571 | 1.4086 | 2.1294 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01585 | -.00086 | .01903 | -.00150 | .00281 | 16.444 | .03757 |
| #2 | .01800 | -.00033 | .01912 | -.00111 | .00366 | 16.069 | .03600 |
| #3 | .01899 | -.00038 | .02005 | -.00345 | .00204 | 16.032 | .03685 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00105 | -.00196 | 3.1456 | .05211 | .00090 | .02017 | 43.347 |
| Stddev | .00002 | .00009  | .0154  | .00059 | .00011 | .00042 | .127   |
| %RSD   | 2.3122 | 4.8026  | .48788 | 1.1376 | 11.764 | 2.0963 | .29367 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00107 | -.00204 | 3.1288 | .05259 | .00099 | .01973 | 43.206 |
| #2 | .00102 | -.00186 | 3.1491 | .05230 | .00078 | .02058 | 43.454 |
| #3 | .00106 | -.00197 | 3.1589 | .05145 | .00094 | .02021 | 43.381 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06286 | .80305 | .00140 | -.00258 | .06063 | .08038 | .04569 |
| Stddev | .00034 | .04596 | .00026 | .00059  | .00206 | .00053 | .00012 |
| %RSD   | .54296 | 5.7228 | 18.725 | 22.792  | 3.3902 | .66522 | .26866 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06325 | .76954 | .00170 | -.00296 | .06040 | .08099 | .04583 |
| #2 | .06272 | .78416 | .00127 | -.00190 | .05870 | .08001 | .04562 |
| #3 | .06261 | .85544 | .00123 | -.00288 | .06279 | .08013 | .04562 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4046 | .00193 | .04991 | .47459 | 8.1021 | .00003 | .51005 |
| Stddev | .0366  | .00026 | .00467 | .00334 | .0428  | .00020 | .00565 |
| %RSD   | 2.6044 | 13.271 | 9.3652 | .70379 | .52777 | 577.44 | 1.1072 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 1.4386 | .00174 | .04698 | .47782 | 8.0641 | -.00017 | .51657 |
| #2 | 1.4094 | .00222 | .05530 | .47115 | 8.0938 | .00003  | .50654 |
| #3 | 1.3659 | .00182 | .04745 | .47481 | 8.1484 | .00024  | .50705 |

Sample Name: K2774-01      Acquired: 5/10/2019 17:25:19      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-PS-01-048      Custom ID2:      Custom ID3:  
Comment:

|        |         |        |         |        |          |
|--------|---------|--------|---------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm      |
| Avg    | -.00130 | .5111  | -.03050 | 1.4803 | F<.00000 |
| Stddev | .00112  | .0035  | .00026  | .2921  | 2.1736   |
| %RSD   | 86.458  | .6757  | .84735  | 19.735 | 4.9518   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00094 | .5129 | -.03046 | 1.1655 | -45.813 |
| #2 | -.00256 | .5072 | -.03027 | 1.5327 | -44.338 |
| #3 | -.00040 | .5134 | -.03078 | 1.7427 | -41.534 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4314.7 | 52618. | 5453.5 | 76.586 | 4757.4 |
| Stddev    | 6.6    | 132.   | 20.4   | 1.121  | 3.2    |
| %RSD      | .15408 | .24996 | .37476 | 1.4643 | .06743 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4314.1 | 52494. | 5458.8 | 75.833 | 4753.7 |
| #2 | 4308.4 | 52605. | 5470.7 | 76.050 | 4759.0 |
| #3 | 4321.7 | 52756. | 5430.9 | 77.875 | 4759.5 |

Sample Name: K2779-01      Acquired: 5/10/2019 17:29:49      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .06965 | .00415 | .48357 | .00050 | .00276 | 49.936 | .26332 |
| Stddev | .00303 | .00117 | .00346 | .00249 | .00136 | .219   | .00042 |
| %RSD   | 4.3502 | 28.297 | .71629 | 501.73 | 49.364 | .43890 | .16132 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .07315 | .00302 | .47965 | .00324  | .00425 | 49.970 | .26316 |
| #2 | .06799 | .00536 | .48485 | -.00161 | .00159 | 50.136 | .26381 |
| #3 | .06781 | .00407 | .48622 | -.00014 | .00242 | 49.702 | .26300 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00613 | -.00415 | 11.459 | .31937 | .02529 | .18170 | 133.50 |
| Stddev | .00015 | .00005  | .062   | .00065 | .00010 | .00021 | .69    |
| %RSD   | 2.4624 | 1.1461  | .54345 | .20277 | .37851 | .11295 | .51907 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00599 | -.00412 | 11.528 | .31863 | .02525 | .18161 | 132.80 |
| #2 | .00612 | -.00420 | 11.442 | .31983 | .02540 | .18156 | 134.19 |
| #3 | .00629 | -.00412 | 11.407 | .31964 | .02523 | .18193 | 133.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .65883 | 10.303 | .12195 | -.01127 | 3.5265 | .24550 | .55057 |
| Stddev | .00100 | .093   | .00024 | .00004  | .0356  | .00043 | .00066 |
| %RSD   | .15169 | .90364 | .19647 | .36024  | 1.0093 | .17552 | .11953 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .65977 | 10.252 | .12169 | -.01128 | 3.4906 | .24555 | .55085 |
| #2 | .65895 | 10.410 | .12216 | -.01130 | 3.5617 | .24590 | .54982 |
| #3 | .65778 | 10.246 | .12201 | -.01122 | 3.5271 | .24504 | .55104 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.1859 | .00375 | .15337 | .93981 | 3.1793 | .00722 | .47977 |
| Stddev | .0472  | .00030 | .01637 | .00575 | .0534  | .00093 | .00398 |
| %RSD   | .65698 | 8.0298 | 10.674 | .61163 | 1.6801 | 12.898 | .82935 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.1970 | .00395 | .14355 | .93321 | 3.2392 | .00644 | .48206 |
| #2 | 7.2265 | .00341 | .14428 | .94249 | 3.1620 | .00697 | .48206 |
| #3 | 7.1341 | .00390 | .17226 | .94373 | 3.1367 | .00825 | .47517 |

Sample Name: K2779-01      Acquired: 5/10/2019 17:29:49      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .02455 | 4.329  | -.06902 | 1.3718 | F<.00000 |
| Stddev | .00098 | .026   | .00096  | .1820  | 1.2742   |
| %RSD   | 3.9738 | .5991  | 1.3915  | 13.268 | .85980   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .02566 | 4.325 | -.06818 | 1.4579 | -149.32 |
| #2 | .02383 | 4.305 | -.07007 | 1.4948 | -146.82 |
| #3 | .02415 | 4.356 | -.06881 | 1.1627 | -148.46 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4344.3 | 52799. | 5560.7 | 74.501 | 4597.9 |
| Stddev    | 7.9    | 83.    | 46.9   | .860   | 8.1    |
| %RSD      | .18269 | .15738 | .84343 | 1.1540 | .17691 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4344.7 | 52757. | 5506.6 | 74.812 | 4606.0 |
| #2 | 4336.2 | 52746. | 5585.3 | 75.162 | 4589.8 |
| #3 | 4352.0 | 52895. | 5590.2 | 73.529 | 4597.8 |

Sample Name: CCV05      Acquired: 5/10/2019 17:34:10      Type: Unk  
Method: P4-ICP2(v3107)      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    | 5.0796 | 5.1377 | 4.9916 | 5.1277 | 5.0634 | 10.062 | 10.144 | .25435   |
| Stddev | .0083  | .0218  | .0145  | .0097  | .0098  | .052   | .040   | .00094   |
| %RSD   | .16263 | .42371 | .29119 | .18919 | .19362 | .52040 | .39754 | .36952   |
| #1     | 5.0847 | 5.1253 | 4.9749 | 5.1262 | 5.0645 | 10.123 | 10.178 | .25543   |
| #2     | 5.0701 | 5.1250 | 5.0006 | 5.1188 | 5.0530 | 10.036 | 10.155 | .25379   |
| #3     | 5.0840 | 5.1629 | 4.9994 | 5.1380 | 5.0725 | 10.028 | 10.100 | .25382   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5072 | 26.205 | 1.0210 | 2.5325 | 1.2618 | 5.1315 | 2.5607 | 25.335   |
| Stddev | .0078  | .596   | .0027  | .0104  | .0017  | .0069  | .0057  | .089     |
| %RSD   | .30932 | 2.2740 | .26031 | .40994 | .13196 | .13479 | .22317 | .35301   |
| #1     | 2.4988 | 26.881 | 1.0239 | 2.5209 | 1.2608 | 5.1285 | 2.5671 | 25.292   |
| #2     | 2.5087 | 25.754 | 1.0188 | 2.5359 | 1.2609 | 5.1265 | 2.5560 | 25.276   |
| #3     | 2.5141 | 25.981 | 1.0202 | 2.5408 | 1.2638 | 5.1394 | 2.5591 | 25.438   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5156 | 1.2660 | 25.250 | 2.5521 | 2.4913 | 25.237 | 5.1263 | 5.0585   |
| Stddev | .0072  | .0047  | .088   | .0079  | .0090  | .085   | .0064  | .0235    |
| %RSD   | .28592 | .37548 | .35037 | .31030 | .36236 | .33806 | .12399 | .46432   |
| #1     | 2.5089 | 1.2715 | 25.347 | 2.5599 | 2.4817 | 25.297 | 5.1237 | 5.0849   |
| #2     | 2.5147 | 1.2629 | 25.227 | 2.5441 | 2.4924 | 25.276 | 5.1216 | 5.0506   |
| #3     | 2.5232 | 1.2637 | 25.175 | 2.5523 | 2.4997 | 25.140 | 5.1335 | 5.0399   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1687 | 5.0911 | 5.0540 | 5.1619 | 5.0164 | 5.247  | 5.1559 | F 3.8198 |
| Stddev | .0233  | .1139  | .0149  | .1396  | .1249  | .019   | .1203  | .1091    |
| %RSD   | .45139 | 2.2363 | .29512 | 2.7051 | 2.4895 | .3539  | 2.3322 | 2.8572   |
| #1     | 5.1491 | 5.2215 | 5.0427 | 5.3210 | 5.1604 | 5.235  | 5.2943 | 3.9265   |
| #2     | 5.1625 | 5.0118 | 5.0484 | 5.0598 | 4.9368 | 5.238  | 5.0770 | 3.7084   |
| #3     | 5.1945 | 5.0398 | 5.0709 | 5.1048 | 4.9521 | 5.268  | 5.0965 | 3.8245   |

Sample Name: CCV05      Acquired: 5/10/2019 17:34:10      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.6275  
Stddev      3.4335  
%RSD      130.68

#1      5.3510  
#2      -1.2295  
#3      3.7609

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4031.7 | 48333. | 5056.4 | 70.964 | 4285.2 |
| Stddev    | 7.5    | 160.   | 119.7  | 3.255  | 5.9    |
| %RSD      | .18486 | .33021 | 2.3669 | 4.5868 | .13682 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4024.8 | 48173. | 4918.6 | 67.750 | 4286.5 |
| #2 | 4039.6 | 48333. | 5134.9 | 70.882 | 4290.3 |
| #3 | 4030.6 | 48492. | 5115.6 | 74.258 | 4278.8 |

Sample Name: CCB05      Acquired: 5/10/2019 17:38:08      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00339  | .00082  | .00204  | .00042  | .00084  | -.00736 | .00092  | .00005   |
| Stddev | .00065  | .00087  | .00047  | .00382  | .00197  | .00497  | .00072  | .00002   |
| %RSD   | 19.209  | 106.54  | 23.084  | 916.14  | 233.15  | 67.602  | 78.151  | 48.678   |
| #1     | .00274  | .00078  | .00164  | -.00175 | .00274  | -.01305 | .00136  | .00005   |
| #2     | .00404  | -.00004 | .00256  | -.00183 | -.00119 | -.00387 | .00009  | .00002   |
| #3     | .00338  | .00171  | .00191  | .00482  | .00098  | -.00515 | .00131  | .00007   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | -.01168 | -.00009 | .00006  | -.00123 | .00060  | -.00001 | -.00413  |
| Stddev | .00007  | .01355  | .00038  | .00013  | .00013  | .00087  | .00004  | .05613   |
| %RSD   | 656.66  | 116.00  | 414.26  | 207.34  | 10.543  | 143.86  | 510.55  | 1358.8   |
| #1     | .00009  | -.01761 | .00003  | .00017  | -.00109 | .00149  | -.00004 | .01654   |
| #2     | -.00005 | -.02124 | .00021  | -.00009 | -.00133 | -.00024 | .00004  | -.06767  |
| #3     | -.00001 | .00382  | -.00051 | .00011  | -.00128 | .00056  | -.00003 | .03873   |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00014 | .00002  | -.10589 | .00010  | .00016  | -.14861 | .00029  | .01351   |
| Stddev | .00010  | .00036  | .00948  | .00017  | .00003  | .02017  | .00019  | .00494   |
| %RSD   | 70.706  | 1776.2  | 8.9510  | 175.09  | 17.541  | 13.571  | 66.886  | 36.588   |
| #1     | -.00012 | .00027  | -.09650 | .00029  | .00015  | -.12536 | .00016  | .01786   |
| #2     | -.00005 | -.00040 | -.10572 | -.00003 | .00014  | -.15909 | .00051  | .00813   |
| #3     | -.00024 | .00019  | -.11545 | .00003  | .00019  | -.16138 | .00019  | .01454   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00719 | .00597  | .00067  | .00038  | -.00168 | .0016   | .00011  | F 2.3985 |
| Stddev | .00148  | .00097  | .00082  | .00203  | .00282  | .0012   | .00005  | .5608    |
| %RSD   | 20.639  | 16.211  | 121.42  | 531.91  | 167.91  | 75.07   | 45.250  | 23.381   |
| #1     | -.00889 | .00708  | .00125  | .00071  | -.00369 | .0002   | .00012  | 2.6499   |
| #2     | -.00612 | .00538  | -.00026 | .00222  | .00155  | .0022   | .00016  | 2.7896   |
| #3     | -.00657 | .00544  | .00104  | -.00179 | -.00291 | .0025   | .00006  | 1.7560   |

Sample Name: CCB05      Acquired: 5/10/2019 17:38:08      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.0017  
Stddev      .3263  
%RSD      16.304

#1      1.8641  
#2      2.3743  
#3      1.7666

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4184.9 | 50378. | 5042.0 | 73.100 | 4789.5 |
| Stddev    | 10.9   | 186.   | 33.0   | .369   | 12.9   |
| %RSD      | .26120 | .37015 | .65363 | .50431 | .26935 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4172.4 | 50246. | 5012.9 | 73.000 | 4776.0 |
| #2 | 4189.7 | 50591. | 5077.8 | 72.792 | 4790.9 |
| #3 | 4192.6 | 50295. | 5035.2 | 73.508 | 4801.7 |

Sample Name: K2779-03      Acquired: 5/10/2019 17:42:37      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200050      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .14439 | .01176 | .09842 | .00113 | .00187 | 48.072 | .10840 |
| Stddev | .00302 | .00087 | .00051 | .00126 | .00126 | .183   | .00059 |
| %RSD   | 2.0889 | 7.3641 | .51914 | 111.09 | 67.505 | .38049 | .54011 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .14236 | .01216 | .09785 | .00052 | .00075 | 47.983 | .10776 |
| #2 | .14786 | .01235 | .09884 | .00258 | .00324 | 47.950 | .10855 |
| #3 | .14296 | .01076 | .09857 | .00030 | .00163 | 48.282 | .10891 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00646 | -.00726 | 19.862 | .18750 | .00714 | .05775 | 178.01 |
| Stddev | .00007 | .00010  | .020   | .00103 | .00018 | .00069 | .23    |
| %RSD   | 1.0962 | 1.3810  | .09845 | .54876 | 2.5595 | 1.2029 | .12918 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00640 | -.00730 | 19.857 | .18632 | .00701 | .05755 | 178.22 |
| #2 | .00654 | -.00715 | 19.884 | .18799 | .00707 | .05852 | 178.04 |
| #3 | .00644 | -.00734 | 19.846 | .18819 | .00735 | .05718 | 177.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .14162 | 5.4783 | .00919 | -.01710 | 3.4105 | .54309 | .19806 |
| Stddev | .00099 | .0683  | .00050 | .00079  | .0150  | .00262 | .00040 |
| %RSD   | .69812 | 1.2472 | 5.4794 | 4.6464  | .44136 | .48258 | .19951 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .14048 | 5.4299 | .00861 | -.01626 | 3.3937 | .54044 | .19762 |
| #2 | .14214 | 5.4486 | .00945 | -.01784 | 3.4151 | .54313 | .19816 |
| #3 | .14224 | 5.5565 | .00950 | -.01720 | 3.4228 | .54568 | .19839 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.0232 | .00116 | .18366 | 1.1095 | 6.6488 | .00526 | .38393 |
| Stddev | .0159  | .00042 | .01633 | .0032  | .0563  | .00138 | .01504 |
| %RSD   | .19817 | 36.575 | 8.8894 | .28949 | .84630 | 26.311 | 3.9162 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.0183 | .00136 | .19167 | 1.1128 | 6.6652 | .00466 | .36811 |
| #2 | 8.0409 | .00067 | .19444 | 1.1064 | 6.6950 | .00684 | .38565 |
| #3 | 8.0103 | .00145 | .16488 | 1.1092 | 6.5861 | .00428 | .39804 |

Sample Name: K2779-03      Acquired: 5/10/2019 17:42:37      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200050      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .02002 | 1.877  | -.07800 | 2.1561 | F<.00000 |
| Stddev | .00055 | .002   | .00036  | .0817  | 2.3584   |
| %RSD   | 2.7509 | .1209  | .46272  | 3.7887 | 1.1639   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .02056 | 1.876 | -.07801 | 2.1738 | -201.21 |
| #2 | .02005 | 1.876 | -.07836 | 2.2275 | -201.32 |
| #3 | .01946 | 1.880 | -.07764 | 2.0670 | -205.35 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4203.4 | 50512. | 5319.8 | 73.478 | 4454.0 |
| Stddev    | 9.0    | 299.   | 46.4   | 1.932  | 5.0    |
| %RSD      | .21433 | .59100 | .87303 | 2.6299 | .11271 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4213.5 | 50188. | 5268.7 | 71.757 | 4459.7 |
| #2 | 4196.3 | 50571. | 5331.0 | 75.568 | 4450.2 |
| #3 | 4200.3 | 50776. | 5359.5 | 73.108 | 4452.1 |

Sample Name: K2779-05      Acquired: 5/10/2019 17:47:01      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .82366 | .01011 | .26088 | -.00061 | .00297 | 38.535 | .18454 |
| Stddev | .00329 | .00040 | .00197 | .00057  | .00114 | .122   | .00143 |
| %RSD   | .39992 | 3.9401 | .75688 | 93.872  | 38.197 | .31703 | .77603 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .82263 | .00978 | .26145 | -.00000 | .00428 | 38.446 | .18611 |
| #2 | .82101 | .01055 | .25868 | -.00068 | .00226 | 38.485 | .18423 |
| #3 | .82735 | .01000 | .26251 | -.00113 | .00238 | 38.674 | .18330 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00658 | -.00637 | 10.542 | .15526 | .00802 | .06933 | 175.22 |
| Stddev | .00008 | .00028  | .013   | .00094 | .00016 | .00060 | 1.33   |
| %RSD   | 1.2567 | 4.3153  | .12574 | .60242 | 1.9558 | .87121 | .75678 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00652 | -.00667 | 10.557 | .15494 | .00786 | .06863 | 176.74 |
| #2 | .00656 | -.00631 | 10.540 | .15453 | .00817 | .06971 | 174.66 |
| #3 | .00668 | -.00613 | 10.531 | .15631 | .00804 | .06964 | 174.27 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .19168 | 4.0520 | .01512 | -.01614 | .57107 | .50274 | .26471 |
| Stddev | .00101 | .0473  | .00049 | .00050  | .00078 | .00202 | .00088 |
| %RSD   | .52649 | 1.1680 | 3.2521 | 3.0673  | .13604 | .40106 | .33101 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .19276 | 4.0234 | .01456 | -.01605 | .57190 | .50455 | .26452 |
| #2 | .19076 | 4.0261 | .01529 | -.01668 | .57096 | .50057 | .26394 |
| #3 | .19151 | 4.1067 | .01550 | -.01570 | .57036 | .50311 | .26566 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.7420 | .00345 | .17171 | .95441 | 7.0607 | .00716 | .55243 |
| Stddev | .0224  | .00047 | .00555 | .00446 | .0396  | .00093 | .00485 |
| %RSD   | .39087 | 13.547 | 3.2341 | .46691 | .56078 | 13.010 | .87789 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.7180 | .00399 | .17808 | .94927 | 7.0722 | .00620 | .54684 |
| #2 | 5.7455 | .00313 | .16912 | .95683 | 7.0932 | .00723 | .55556 |
| #3 | 5.7624 | .00325 | .16791 | .95713 | 7.0166 | .00806 | .55488 |

Sample Name: K2779-05      Acquired: 5/10/2019 17:47:01      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .01625 | 2.051  | -.11711 | 1.7560 | F<.00000 |
| Stddev    | .00021 | .009   | .00147  | .0923  | 2.8577   |
| %RSD      | 1.2932 | .4617  | 1.2551  | 5.2582 | 1.3953   |
| #1        | .01615 | 2.042  | -.11881 | 1.6550 | -201.95  |
| #2        | .01610 | 2.051  | -.11621 | 1.7770 | -207.67  |
| #3        | .01649 | 2.061  | -.11632 | 1.8361 | -204.81  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4281.3 | 51857. | 5423.7  | 74.395 | 4524.1   |
| Stddev    | 12.2   | 238.   | 19.8    | .797   | 13.5     |
| %RSD      | .28562 | .45948 | .36583  | 1.0708 | .29867   |
| #1        | 4267.5 | 51614. | 5401.1  | 73.497 | 4512.6   |
| #2        | 4285.8 | 52090. | 5438.4  | 75.017 | 4520.7   |
| #3        | 4290.7 | 51867. | 5431.5  | 74.672 | 4539.0   |

Sample Name: K2729-06      Acquired: 5/10/2019 17:51:25      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-4-GW      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02745 | -.00631 | .83501 | .00655 | .00533 | 58.502 | .55963 |
| Stddev | .00217 | .00239  | .00240 | .00119 | .00072 | .289   | .00114 |
| %RSD   | 7.8976 | 37.933  | .28715 | 18.115 | 13.579 | .49403 | .20402 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02674 | -.00534 | .83643 | .00764 | .00452 | 58.172 | .55833 |
| #2 | .02988 | -.00455 | .83636 | .00529 | .00555 | 58.629 | .56012 |
| #3 | .02572 | -.00903 | .83224 | .00670 | .00592 | 58.707 | .56045 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00396 | -.00078 | 218.46 | .12457 | .03796 | .25272 | 69.680 |
| Stddev | .00016 | .00002  | .27    | .00064 | .00025 | .00124 | .277   |
| %RSD   | 4.0898 | 3.0120  | .12410 | .51334 | .65509 | .48916 | .39812 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00377 | -.00075 | 218.16 | .12403 | .03819 | .25294 | 69.804 |
| #2 | .00404 | -.00079 | 218.66 | .12439 | .03799 | .25139 | 69.363 |
| #3 | .00406 | -.00079 | 218.57 | .12527 | .03770 | .25383 | 69.875 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.3161 | 14.850 | .12975 | -.00849 | 341.46 | .18199 | .93265 |
| Stddev | .0040  | .057   | .00041 | .00043  | 2.25   | .00139 | .00219 |
| %RSD   | .29976 | .38375 | .31612 | 5.0697  | .65946 | .76172 | .23461 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.3119 | 14.784 | .12995 | -.00847 | 338.88 | .18087 | .93267 |
| #2 | 1.3168 | 14.881 | .13002 | -.00894 | 342.98 | .18156 | .93482 |
| #3 | 1.3197 | 14.885 | .12928 | -.00808 | 342.54 | .18354 | .93045 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 83.916 | .07040 | .13084 | F 31.709 | F 70.422 | .05368 | 2.3801 |
| Stddev | .288   | .00056 | .00764 | .100     | .196     | .00070 | .0129  |
| %RSD   | .34364 | .79098 | 5.8391 | .31484   | .27776   | 1.3015 | .54320 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 83.619 | .07035 | .12361 | 31.669 | 70.214 | .05351 | 2.3845 |
| #2 | 83.934 | .06987 | .13009 | 31.823 | 70.601 | .05444 | 2.3656 |
| #3 | 84.195 | .07098 | .13883 | 31.635 | 70.452 | .05308 | 2.3903 |

Sample Name: K2729-06      Acquired: 5/10/2019 17:51:25      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-4-GW      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .08001 | 2.295  | 4.3522 | 4.1378 | F<.00000 |
| Stddev | .00184 | .010   | .0026  | .0891  | 2.0634   |
| %RSD   | 2.3003 | .4416  | .05925 | 2.1534 | 4.6698   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .07806 | 2.305 | 4.3529 | 4.2403 | -46.313 |
| #2 | .08025 | 2.295 | 4.3543 | 4.0948 | -44.055 |
| #3 | .08172 | 2.284 | 4.3493 | 4.0784 | -42.192 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3944.1 | 47123. | 5266.2 | 69.408 | 3899.4 |
| Stddev    | 5.4    | 49.    | 11.7   | 2.256  | 17.3   |
| %RSD      | .13669 | .10426 | .22238 | 3.2500 | .44473 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3941.8 | 47171. | 5257.5 | 66.884 | 3896.6 |
| #2 | 3950.2 | 47073. | 5261.7 | 71.227 | 3883.6 |
| #3 | 3940.2 | 47125. | 5279.5 | 70.114 | 3917.9 |

Sample Name: K2769-06      Acquired: 5/10/2019 17:55:56      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RB-190506      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |        |         |        |        |
|--------|--------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00283 | .00024 | -.00052 | -.00135 | .00052 | -.01647 | .00029 | .00003 |
| Stddev | .00167 | .00037 | .00063  | .00193  | .00088 | .00498  | .00024 | .00002 |
| %RSD   | 59.045 | 157.06 | 120.23  | 143.35  | 167.42 | 30.220  | 81.227 | 80.692 |

|    |        |         |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|---------|--------|--------|
| #1 | .00186 | .00021  | .00016  | -.00305 | .00126  | -.01239 | .00046 | .00004 |
| #2 | .00475 | .00062  | -.00065 | .00075  | .00076  | -.01501 | .00002 | .00000 |
| #3 | .00186 | -.00012 | -.00108 | -.00175 | -.00045 | -.02201 | .00039 | .00004 |

|        |        |         |        |        |         |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00000 | -.00909 | .00002 | .00019 | -.00153 | -.00013 | -.00008 | -.00286 |
| Stddev | .00002 | .01644  | .00029 | .00015 | .00020  | .00029  | .00005  | .05397  |
| %RSD   | 520.57 | 180.96  | 1436.7 | 81.123 | 13.316  | 225.70  | 62.872  | 1886.0  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00002  | -.02417 | -.00006 | .00005 | -.00158 | -.00028 | -.00013 | -.06517 |
| #2 | .00001  | -.01154 | .00034  | .00017 | -.00170 | -.00030 | -.00007 | .02724  |
| #3 | -.00002 | .00844  | -.00022 | .00035 | -.00130 | .00020  | -.00003 | .02934  |

|        |        |         |         |         |        |         |        |        |
|--------|--------|---------|---------|---------|--------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138 | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00084 | -.00015 | -.05584 | -.00002 | .00056 | -.14800 | .00008 | .00844 |
| Stddev | .00002 | .00042  | .01245  | .00004  | .00005 | .03061  | .00009 | .01193 |
| %RSD   | 2.1193 | 288.27  | 22.299  | 180.51  | 9.1224 | 20.682  | 121.05 | 141.31 |

|    |        |         |         |         |        |         |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00085 | -.00024 | -.05615 | .00002  | .00050 | -.14114 | .00005  | .01774  |
| #2 | .00083 | -.00051 | -.04324 | -.00005 | .00056 | -.12141 | -.00000 | -.00501 |
| #3 | .00082 | .00031  | -.06814 | -.00003 | .00060 | -.18146 | .00018  | .01261  |

|        |         |        |         |         |         |        |         |        |
|--------|---------|--------|---------|---------|---------|--------|---------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | -.01036 | .08142 | -.00313 | -.00063 | -.00391 | .0009  | -.00002 | .64191 |
| Stddev | .00034  | .01473 | .00043  | .00032  | .00112  | .0011  | .00003  | .20379 |
| %RSD   | 3.3217  | 18.092 | 13.830  | 50.668  | 28.603  | 134.2  | 148.97  | 31.748 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.01007 | .09639 | -.00263 | -.00077 | -.00422 | .0016  | -.00001 | .41090 |
| #2 | -.01026 | .08093 | -.00335 | -.00027 | -.00485 | -.0005 | -.00006 | .71859 |
| #3 | -.01074 | .06694 | -.00341 | -.00086 | -.00267 | .0014  | .00000  | .79623 |

Sample Name: K2769-06      Acquired: 5/10/2019 17:55:56      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RB-190506      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      6.4272  
 Stddev      2.8471  
 %RSD      44.298

#1      4.5888  
 #2      9.7067  
 #3      4.9860

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4545.0 | 55164. | 5487.7 | 81.842 | 5305.0 |
| Stddev    | 14.0   | 99.    | 45.8   | .586   | 21.1   |
| %RSD      | .30856 | .17913 | .83421 | .71624 | .39737 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4560.7 | 55278. | 5438.9 | 81.292 | 5325.6 |
| #2 | 4540.6 | 55105. | 5529.6 | 82.458 | 5306.0 |
| #3 | 4533.6 | 55109. | 5494.6 | 81.775 | 5283.5 |

Sample Name: K2769-07      Acquired: 5/10/2019 18:00:23      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RB-190507      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 | .00016 | -.00035 | -.00004 | .00100 | -.01772 | .00090 | .00001 |
| Stddev | .00134 | .00079 | .00080  | .00010  | .00160 | .01056  | .00031 | .00003 |
| %RSD   | 99.362 | 484.92 | 226.54  | 232.10  | 159.54 | 59.571  | 34.880 | 264.97 |

|    |         |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|---------|--------|---------|
| #1 | -.00013 | -.00033 | -.00015 | -.00007 | -.00081 | -.01218 | .00054 | -.00001 |
| #2 | .00171  | .00108  | -.00123 | .00006  | .00160  | -.02989 | .00111 | .00004  |
| #3 | .00248  | -.00026 | .00032  | -.00012 | .00222  | -.01109 | .00105 | -.00000 |

|        |        |         |        |        |         |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00001 | -.02235 | .00014 | .00010 | -.00146 | -.00105 | -.00010 | -.04046 |
| Stddev | .00003 | .00526  | .00019 | .00014 | .00013  | .00038  | .00007  | .02905  |
| %RSD   | 306.47 | 23.519  | 132.79 | 146.85 | 9.1117  | 36.323  | 69.603  | 71.798  |

|    |         |         |         |        |         |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|---------|
| #1 | .00005  | -.02408 | -.00005 | .00026 | -.00130 | -.00074 | -.00018 | -.03407 |
| #2 | -.00002 | -.01645 | .00033  | .00002 | -.00154 | -.00094 | -.00004 | -.01514 |
| #3 | .00000  | -.02653 | .00014  | .00001 | -.00152 | -.00148 | -.00008 | -.07218 |

|        |        |        |         |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00055 | .00033 | -.06715 | -.00004 | -.00011 | -.10862 | -.00004 | .00816 |
| Stddev | .00023 | .00037 | .00783  | .00047  | .00009  | .02769  | .00008  | .01153 |
| %RSD   | 42.091 | 114.23 | 11.663  | 1265.9  | 82.364  | 25.492  | 186.07  | 141.30 |

|    |        |         |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00057 | .00070  | -.05831 | -.00049 | -.00003 | -.12739 | -.00000 | .00408  |
| #2 | .00076 | .00033  | -.06989 | .00045  | -.00009 | -.07682 | .00001  | .02118  |
| #3 | .00031 | -.00005 | -.07323 | -.00007 | -.00021 | -.12166 | -.00014 | -.00078 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.01300 | .01662 | -.00337 | -.00106 | -.00691 | .0014  | .00000 | .78116 |
| Stddev | .00071  | .00313 | .00032  | .00123  | .00035  | .0004  | .00004 | .14220 |
| %RSD   | 5.4757  | 18.805 | 9.4104  | 115.27  | 5.0784  | 28.52  | 898.29 | 18.203 |

|    |         |        |         |         |         |       |         |        |
|----|---------|--------|---------|---------|---------|-------|---------|--------|
| #1 | -.01329 | .01780 | -.00374 | -.00019 | -.00656 | .0017 | .00005  | .93326 |
| #2 | -.01352 | .01899 | -.00318 | -.00247 | -.00691 | .0010 | -.00002 | .65155 |
| #3 | -.01219 | .01308 | -.00320 | -.00053 | -.00726 | .0015 | -.00002 | .75866 |

Sample Name: K2769-07      Acquired: 5/10/2019 18:00:23      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RB-190507      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      .28027  
 Stddev      1.9579  
 %RSD      698.58

#1      -1.5805  
 #2      .09875  
 #3      2.3226

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4505.4 | 54539. | 5503.4 | 80.214 | 5268.7 |
| Stddev    | 10.5   | 552.   | 14.1   | 1.576  | 5.9    |
| %RSD      | .23308 | 1.0124 | .25685 | 1.9652 | .11168 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4505.7 | 54356. | 5505.8 | 80.917 | 5271.0 |
| #2 | 4515.8 | 55159. | 5488.2 | 81.317 | 5273.0 |
| #3 | 4494.8 | 54102. | 5516.2 | 78.408 | 5262.0 |

Sample Name: K2769-08      Acquired: 5/10/2019 18:04:52      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RB-190508      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |         |        |         |        |         |
|--------|--------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960  | Sb2068 | Al3961  | Ba4934 | Be2348  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00063 | .00043 | -.00079 | -.00085 | .00153 | -.01698 | .00058 | -.00002 |
| Stddev | .00189 | .00065 | .00093  | .00168  | .00032 | .00945  | .00028 | .00006  |
| %RSD   | 298.96 | 152.10 | 118.45  | 197.67  | 20.700 | 55.652  | 47.461 | 309.28  |

|    |         |         |         |         |        |         |        |         |
|----|---------|---------|---------|---------|--------|---------|--------|---------|
| #1 | .00208  | .00109  | .00017  | -.00119 | .00190 | -.02386 | .00030 | -.00001 |
| #2 | .00131  | -.00020 | -.00085 | -.00233 | .00135 | -.00621 | .00060 | .00003  |
| #3 | -.00150 | .00039  | -.00169 | .00097  | .00135 | -.02089 | .00085 | -.00008 |

|        |         |         |        |        |         |         |         |         |
|--------|---------|---------|--------|--------|---------|---------|---------|---------|
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00001 | -.01006 | .00009 | .00004 | -.00158 | -.00114 | -.00009 | -.01904 |
| Stddev | .00004  | .01489  | .00007 | .00010 | .00011  | .00096  | .00003  | .00956  |
| %RSD   | 439.48  | 148.07  | 72.931 | 237.80 | 6.6844  | 84.059  | 40.449  | 50.225  |

|    |         |         |        |         |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|---------|
| #1 | -.00003 | -.01342 | .00006 | .00006  | -.00148 | -.00222 | -.00007 | -.02926 |
| #2 | .00003  | -.02298 | .00005 | .00012  | -.00158 | -.00078 | -.00006 | -.01755 |
| #3 | -.00003 | .00623  | .00017 | -.00006 | -.00169 | -.00041 | -.00013 | -.01031 |

|        |        |        |         |        |         |         |        |        |
|--------|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00078 | .00060 | -.10978 | .00008 | -.00022 | -.15172 | .00026 | .00719 |
| Stddev | .00029 | .00027 | .02468  | .00029 | .00003  | .01458  | .00013 | .00712 |
| %RSD   | 36.857 | 45.650 | 22.485  | 345.37 | 11.473  | 9.6083  | 49.707 | 99.019 |

|    |        |        |         |         |         |         |        |        |
|----|--------|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00076 | .00053 | -.09000 | .00008  | -.00025 | -.15238 | .00025 | .01487 |
| #2 | .00108 | .00090 | -.10189 | -.00020 | -.00021 | -.13683 | .00039 | .00080 |
| #3 | .00050 | .00037 | -.13744 | .00038  | -.00020 | -.16596 | .00013 | .00591 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.01150 | .00530 | -.00344 | -.00008 | -.00606 | .0003  | .00000 | 1.0469 |
| Stddev | .00138  | .00150 | .00016  | .00097  | .00085  | .0007  | .00001 | .1017  |
| %RSD   | 12.028  | 28.267 | 4.7758  | 1283.8  | 14.056  | 249.3  | 318.50 | 9.7163 |

|    |         |        |         |         |         |        |         |        |
|----|---------|--------|---------|---------|---------|--------|---------|--------|
| #1 | -.01113 | .00493 | -.00333 | -.00108 | -.00663 | .0002  | -.00000 | 1.0332 |
| #2 | -.01034 | .00403 | -.00363 | .00000  | -.00508 | .0011  | -.00001 | .95264 |
| #3 | -.01303 | .00696 | -.00336 | .00085  | -.00647 | -.0004 | .00002  | 1.1547 |

Sample Name: K2769-08      Acquired: 5/10/2019 18:04:52      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RB-190508      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 1.4667 |
| Stddev | 3.3286 |
| %RSD   | 226.95 |

|    |         |
|----|---------|
| #1 | -2.3705 |
| #2 | 3.5767  |
| #3 | 3.1938  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4483.6 | 54279. | 5483.3 | 79.436 | 5247.0 |
| Stddev    | 4.6    | 49.    | 21.1   | 1.061  | 5.9    |
| %RSD      | .10329 | .08981 | .38510 | 1.3358 | .11322 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4487.0 | 54295. | 5478.0 | 79.525 | 5251.2 |
| #2 | 4485.4 | 54225. | 5465.2 | 80.450 | 5249.6 |
| #3 | 4478.3 | 54318. | 5506.5 | 78.333 | 5240.2 |

Sample Name: K2795-01      Acquired: 5/10/2019 18:09:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRUCK-803      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .26561 | .00639 | .06568 | -.00247 | .00357 | 8.3948 | .15068 |
| Stddev | .00298 | .00053 | .00061 | .00306  | .00158 | .0485  | .00059 |
| %RSD   | 1.1215 | 8.3393 | .92489 | 123.83  | 44.136 | .57745 | .39284 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .26324 | .00673 | .06503 | .00098  | .00239 | 8.4047 | .15098 |
| #2 | .26895 | .00667 | .06623 | -.00354 | .00536 | 8.3421 | .15000 |
| #3 | .26463 | .00578 | .06579 | -.00487 | .00296 | 8.4375 | .15107 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00545 | -.00844 | 44.440 | .00437 | .01492 | .13377 | 217.68 |
| Stddev | .00027 | .00011  | .196   | .00022 | .00023 | .00046 | .07    |
| %RSD   | 4.9425 | 1.2774  | .44080 | 4.9765 | 1.5600 | .34640 | .03320 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00515 | -.00855 | 44.231 | .00414 | .01504 | .13352 | 217.59 |
| #2 | .00552 | -.00834 | 44.471 | .00457 | .01465 | .13431 | 217.72 |
| #3 | .00568 | -.00844 | 44.619 | .00439 | .01507 | .13349 | 217.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .35273 | 19.213 | .00980 | -.02051 | 88.659 | .03342 | .22527 |
| Stddev | .00063 | .080   | .00039 | .00025  | .109   | .00020 | .00117 |
| %RSD   | .17979 | .41693 | 3.9457 | 1.2200  | .12250 | .60094 | .51929 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .35325 | 19.299 | .00975 | -.02042 | 88.670 | .03354 | .22504 |
| #2 | .35202 | 19.141 | .00944 | -.02080 | 88.545 | .03318 | .22654 |
| #3 | .35291 | 19.198 | .01021 | -.02033 | 88.761 | .03352 | .22424 |

|        |        |        |        |          |          |        |        |
|--------|--------|--------|--------|----------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm    | ppm    |
| Avg    | 13.322 | .00714 | .49409 | F 15.270 | F 13.332 | .00733 | .25047 |
| Stddev | .073   | .00015 | .02757 | .038     | .069     | .00021 | .00889 |
| %RSD   | .54577 | 2.0469 | 5.5804 | .24934   | .51729   | 2.9289 | 3.5478 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.370 | .00711 | .52172 | 15.259 | 13.257 | .00740 | .24588 |
| #2 | 13.238 | .00730 | .49397 | 15.312 | 13.393 | .00751 | .26072 |
| #3 | 13.357 | .00701 | .46657 | 15.238 | 13.347 | .00709 | .24482 |

Sample Name: K2795-01      Acquired: 5/10/2019 18:09:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRUCK-803      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02189 | 1.500  | .32953 | 3.5641 | F<.00000 |
| Stddev | .00117 | .010   | .00284 | .1631  | 1.6977   |
| %RSD   | 5.3573 | .6592  | .86212 | 4.5772 | .66880   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02301 | 1.495 | .32971 | 3.7394 | -255.64 |
| #2 | .02067 | 1.512 | .33228 | 3.5360 | -253.61 |
| #3 | .02197 | 1.495 | .32660 | 3.4168 | -252.27 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3933.9 | 47637. | 5108.9 | 70.182 | 4157.8 |
| Stddev    | 30.1   | 206.   | 33.4   | .985   | 19.9   |
| %RSD      | .76619 | .43232 | .65390 | 1.4028 | .47772 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3909.9 | 47536. | 5110.8 | 71.119 | 4145.8 |
| #2 | 3924.1 | 47500. | 5074.5 | 69.156 | 4146.9 |
| #3 | 3967.7 | 47873. | 5141.3 | 70.272 | 4180.8 |

Sample Name: K2800-01      Acquired: 5/10/2019 18:13:45      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02170 | -.00115 | .13698 | .00227 | .00819 | 12.148 | .10131 |
| Stddev | .00366 | .00105  | .00078 | .00106 | .00222 | .099   | .00102 |
| %RSD   | 16.866 | 91.308  | .57137 | 46.765 | 27.070 | .81772 | 1.0022 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01748 | .00003  | .13617 | .00320 | .00671 | 12.189 | .10248 |
| #2 | .02367 | -.00197 | .13705 | .00250 | .01074 | 12.220 | .10079 |
| #3 | .02395 | -.00151 | .13773 | .00111 | .00712 | 12.034 | .10067 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00054 | -.00003 | 53.793 | .02232 | .00381 | .08950 | 9.7347 |
| Stddev | .00009 | .00003  | .144   | .00030 | .00007 | .00035 | .0255  |
| %RSD   | 15.820 | 87.011  | .26741 | 1.3326 | 1.9572 | .39555 | .26186 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00054 | -.00004 | 53.778 | .02229 | .00374 | .08913 | 9.7189 |
| #2 | .00063 | -.00000 | 53.945 | .02264 | .00381 | .08984 | 9.7211 |
| #3 | .00045 | -.00005 | 53.658 | .02204 | .00389 | .08952 | 9.7641 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .24205 | 5.4341 | .01520 | -.00097 | 7.7071 | .03827 | .25254 |
| Stddev | .00046 | .0100  | .00049 | .00036  | .0220  | .00025 | .00015 |
| %RSD   | .18922 | .18469 | 3.2464 | 36.959  | .28477 | .66615 | .05846 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .24168 | 5.4242 | .01545 | -.00136 | 7.6909 | .03823 | .25238 |
| #2 | .24192 | 5.4339 | .01552 | -.00067 | 7.7321 | .03804 | .25265 |
| #3 | .24256 | 5.4443 | .01463 | -.00087 | 7.6984 | .03854 | .25261 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 6.6757 | .00500 | .04395 | 8.6632 | F 17.497 | .01122 | .38889 |
| Stddev | .0378  | .00014 | .01001 | .0126  | .055     | .00061 | .00137 |
| %RSD   | .56684 | 2.7173 | 22.770 | .14526 | .31147   | 5.4019 | .35252 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.7090 | .00500 | .04319 | 8.6673 | 17.439 | .01140 | .38998 |
| #2 | 6.6836 | .00487 | .05432 | 8.6731 | 17.505 | .01054 | .38735 |
| #3 | 6.6345 | .00514 | .03435 | 8.6490 | 17.547 | .01171 | .38934 |

Sample Name: K2800-01      Acquired: 5/10/2019 18:13:45      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EFFL-4      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .00858 | .7026  | .38138 | 3.4517 | F<.00000 |
| Stddev    | .00135 | .0035  | .00280 | .0945  | 2.6148   |
| %RSD      | 15.742 | .4944  | .73308 | 2.7379 | 46.370   |
| #1        | .00947 | .7009  | .37871 | 3.5585 | -7.4102  |
| #2        | .00925 | .7066  | .38428 | 3.3790 | -6.8712  |
| #3        | .00703 | .7003  | .38113 | 3.4175 | -2.6358  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 4138.0 | 50294. | 5230.5 | 73.556 | 4544.1   |
| Stddev    | 9.7    | 161.   | 4.2    | .875   | 6.6      |
| %RSD      | .23497 | .32079 | .08059 | 1.1896 | .14432   |
| #1        | 4129.8 | 50173. | 5233.5 | 73.137 | 4536.9   |
| #2        | 4135.6 | 50231. | 5225.7 | 74.561 | 4549.7   |
| #3        | 4148.8 | 50477. | 5232.3 | 72.969 | 4545.8   |

Sample Name: K2800-01DUP      Acquired: 5/10/2019 18:18:04      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4DUP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02229 | -.00143 | .13885 | .00328 | .00949 | 12.575 | .10219 |
| Stddev | .00243 | .00036  | .00171 | .00122 | .00096 | .188   | .00161 |
| %RSD   | 10.883 | 25.497  | 1.2290 | 37.231 | 10.158 | 1.4966 | 1.5719 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02037 | -.00163 | .14075 | .00466 | .00839 | 12.767 | .10335 |
| #2 | .02148 | -.00165 | .13745 | .00235 | .01019 | 12.568 | .10287 |
| #3 | .02502 | -.00101 | .13833 | .00282 | .00988 | 12.391 | .10036 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00053 | -.00004 | 54.731 | .02295 | .00394 | .09123 | 9.9502 |
| Stddev | .00008 | .00006  | .440   | .00077 | .00015 | .00009 | .0171  |
| %RSD   | 15.369 | 142.20  | .80326 | 3.3536 | 3.8864 | .09520 | .17171 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00052 | .00002  | 54.251 | .02351 | .00378 | .09131 | 9.9598 |
| #2 | .00062 | -.00005 | 55.114 | .02327 | .00398 | .09114 | 9.9603 |
| #3 | .00046 | -.00009 | 54.827 | .02207 | .00408 | .09123 | 9.9304 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .24584 | 5.4523 | .01527 | -.00141 | 7.7777 | .03923 | .25707 |
| Stddev | .00060 | .0541  | .00035 | .00022  | .0678  | .00059 | .00047 |
| %RSD   | .24253 | .99300 | 2.2810 | 15.649  | .87112 | 1.5117 | .18210 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .24525 | 5.5147 | .01554 | -.00161 | 7.8243 | .03856 | .25728 |
| #2 | .24584 | 5.4172 | .01488 | -.00145 | 7.8089 | .03942 | .25740 |
| #3 | .24644 | 5.4250 | .01540 | -.00117 | 7.7000 | .03970 | .25653 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 6.7261 | .00521 | .04895 | 8.8116 | F 18.511 | .01122 | .42126 |
| Stddev | .0364  | .00060 | .00780 | .0219  | .082     | .00032 | .00721 |
| %RSD   | .54151 | 11.470 | 15.944 | .24902 | .44101   | 2.8156 | 1.7119 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.7576 | .00523 | .05794 | 8.7914 | 18.425 | .01135 | .42746 |
| #2 | 6.7345 | .00460 | .04385 | 8.8349 | 18.587 | .01145 | .42296 |
| #3 | 6.6862 | .00579 | .04506 | 8.8084 | 18.520 | .01086 | .41334 |

Sample Name: K2800-01DUP      Acquired: 5/10/2019 18:18:04      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: EFFL-4DUP      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00820 | .7145  | .38854 | 3.4880 | F<.00000 |
| Stddev | .00049 | .0047  | .00170 | .0754  | 2.1732   |
| %RSD   | 5.9861 | .6574  | .43686 | 2.1612 | 53.173   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00851 | .7092 | .38721 | 3.4725 | -4.5809 |
| #2 | .00763 | .7182 | .39045 | 3.5699 | -5.9707 |
| #3 | .00845 | .7161 | .38795 | 3.4215 | -1.7094 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4105.8 | 49954. | 5121.0 | 72.355 | 4507.8 |
| Stddev    | 7.3    | 304.   | 32.8   | 2.072  | 6.0    |
| %RSD      | .17731 | .60775 | .64033 | 2.8635 | .13280 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4098.7 | 49734. | 5158.0 | 70.606 | 4502.1 |
| #2 | 4113.2 | 49829. | 5095.7 | 71.816 | 4507.2 |
| #3 | 4105.5 | 50301. | 5109.3 | 74.643 | 4514.1 |

Sample Name: K2800-01LX5      Acquired: 5/10/2019 18:22:21      Type: Unk  
Method: P4-ICP2(v3107)      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    | .00568 | -.00131 | .02947 | -.00037 | .00198 | 2.5818 | .02186 | .00021 |
| Stddev | .00172 | .00123  | .00062 | .00091  | .00103 | .0332  | .00059 | .00003 |
| %RSD   | 30.273 | 93.958  | 2.1067 | 243.54  | 52.009 | 1.2852 | 2.6764 | 14.623 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00615 | -.00273 | .02990 | .00035  | .00228 | 2.5443 | .02129 | .00021 |
| #2 | .00712 | -.00051 | .02975 | -.00007 | .00083 | 2.5938 | .02184 | .00024 |
| #3 | .00378 | -.00069 | .02876 | -.00140 | .00281 | 2.6074 | .02246 | .00018 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 11.483 | .00478 | .00088 | .01904 | 2.1127 | .05221 | 1.1321 |
| Stddev | .00002  | .028   | .00037 | .00010 | .00032 | .0059  | .00029 | .0277  |
| %RSD   | 104.79  | .24321 | 7.6800 | 11.514 | 1.6709 | .27836 | .55750 | 2.4459 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00002 | 11.458 | .00509 | .00095 | .01912 | 2.1060 | .05253 | 1.1386 |
| #2 | -.00004 | 11.513 | .00437 | .00093 | .01869 | 2.1148 | .05195 | 1.1559 |
| #3 | .00000  | 11.479 | .00487 | .00076 | .01931 | 2.1171 | .05217 | 1.1017 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00303 | -.00028 | 1.5343 | .00786 | .05285 | 1.2917 | .00092 | .01184 |
| Stddev | .00014 | .00033  | .0184  | .00009 | .00015 | .0190  | .00021 | .00391 |
| %RSD   | 4.7819 | 118.06  | 1.2018 | 1.2056 | .28271 | 1.4737 | 22.906 | 33.054 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00290 | -.00000 | 1.5166 | .00795 | .05301 | 1.2745 | .00112 | .01086 |
| #2 | .00300 | -.00065 | 1.5330 | .00776 | .05271 | 1.2885 | .00070 | .01614 |
| #3 | .00319 | -.00020 | 1.5534 | .00787 | .05283 | 1.3122 | .00096 | .00850 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.8124 | 4.1419 | .00144 | .09060 | .00117 | .1500  | .08115 | 2.9448 |
| Stddev | .0059  | .0329  | .00081 | .00456 | .00089 | .0012  | .00009 | .2154  |
| %RSD   | .32544 | .79418 | 56.525 | 5.0381 | 76.339 | .8235  | .11395 | 7.3159 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 1.8069 | 4.1542 | .00169 | .08699 | .00204 | .1514 | .08114 | 3.1932 |
| #2 | 1.8116 | 4.1669 | .00053 | .08907 | .00025 | .1497 | .08125 | 2.8088 |
| #3 | 1.8186 | 4.1046 | .00209 | .09573 | .00122 | .1490 | .08107 | 2.8324 |

Sample Name: K2800-01LX5      Acquired: 5/10/2019 18:22:21      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.2988 |
| Stddev | 4.3837 |
| %RSD   | 132.89 |

|    |        |
|----|--------|
| #1 | .04159 |
| #2 | 8.2830 |
| #3 | 1.5719 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4199.7 | 50814. | 5133.9 | 73.617 | 4714.9 |
| Stddev    | 7.5    | 89.    | 49.7   | 1.146  | 1.5    |
| %RSD      | .17771 | .17545 | .96798 | 1.5565 | .03273 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4191.9 | 50882. | 5092.9 | 72.633 | 4716.1 |
| #2 | 4206.8 | 50713. | 5119.6 | 73.342 | 4713.2 |
| #3 | 4200.4 | 50848. | 5189.2 | 74.875 | 4715.5 |

Sample Name: CCV06      Acquired: 5/10/2019 18:26:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14945      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0658 | 5.1596 | 4.9995 | 5.1099 | 5.0306 | 9.8944 | 9.9278 | .25560   |
| Stddev | .0098  | .0070  | .0106  | .0088  | .0116  | .0839  | .1112  | .00045   |
| %RSD   | .19368 | .13673 | .21163 | .17278 | .22979 | .84841 | 1.1202 | .17659   |
| #1     | 5.0709 | 5.1635 | 5.0019 | 5.1182 | 5.0336 | 9.8246 | 9.8581 | .25559   |
| #2     | 5.0545 | 5.1638 | 5.0087 | 5.1006 | 5.0404 | 9.9876 | 9.8693 | .25515   |
| #3     | 5.0721 | 5.1514 | 4.9880 | 5.1108 | 5.0178 | 9.8711 | 10.056 | .25605   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5157 | 26.300 | 1.0256 | 2.5537 | 1.2588 | 5.1771 | 2.5891 | 25.399   |
| Stddev | .0046  | .076   | .0045  | .0057  | .0012  | .0049  | .0048  | .124     |
| %RSD   | .18070 | .28733 | .43538 | .22354 | .09365 | .09488 | .18479 | .48917   |
| #1     | 2.5168 | 26.212 | 1.0242 | 2.5530 | 1.2602 | 5.1738 | 2.5839 | 25.399   |
| #2     | 2.5196 | 26.344 | 1.0221 | 2.5597 | 1.2582 | 5.1828 | 2.5902 | 25.524   |
| #3     | 2.5108 | 26.342 | 1.0306 | 2.5483 | 1.2581 | 5.1748 | 2.5933 | 25.275   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5258 | 1.2705 | 25.250 | 2.5777 | 2.5041 | 24.810 | 5.1379 | 4.9593   |
| Stddev | .0072  | .0012  | .066   | .0019  | .0040  | .030   | .0038  | .0353    |
| %RSD   | .28552 | .09700 | .25981 | .07530 | .15772 | .11993 | .07330 | .71100   |
| #1     | 2.5245 | 1.2719 | 25.175 | 2.5760 | 2.5052 | 24.812 | 5.1419 | 4.9231   |
| #2     | 2.5336 | 1.2696 | 25.298 | 2.5798 | 2.5075 | 24.779 | 5.1344 | 4.9935   |
| #3     | 2.5193 | 1.2700 | 25.277 | 2.5771 | 2.4998 | 24.839 | 5.1374 | 4.9613   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.2019 | 5.1830 | 5.0764 | 5.1337 | 4.9361 | 5.261  | 5.1235 | F 4.4371 |
| Stddev | .0082  | .0162  | .0070  | .0117  | .0069  | .010   | .0075  | .0710    |
| %RSD   | .15691 | .31167 | .13831 | .22783 | .13972 | .1942  | .14534 | 1.6002   |
| #1     | 5.2088 | 5.1951 | 5.0737 | 5.1246 | 4.9438 | 5.271  | 5.1259 | 4.3614   |
| #2     | 5.1929 | 5.1646 | 5.0843 | 5.1469 | 4.9306 | 5.262  | 5.1152 | 4.5022   |
| #3     | 5.2039 | 5.1892 | 5.0711 | 5.1296 | 4.9339 | 5.251  | 5.1295 | 4.4478   |

Sample Name: CCV06      Acquired: 5/10/2019 18:26:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14945      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.6616 |
| Stddev | 2.1474   |
| %RSD   | 129.24   |

|    |         |
|----|---------|
| #1 | -.13026 |
| #2 | 4.0418  |
| #3 | 1.0731  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4048.1 | 48832. | 5080.6 | 71.007 | 4282.6 |
| Stddev    | 3.9    | 111.   | 24.2   | .025   | 4.1    |
| %RSD      | .09755 | .22794 | .47647 | .03512 | .09523 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4044.6 | 48763. | 5068.2 | 71.032 | 4282.3 |
| #2 | 4052.4 | 48961. | 5108.5 | 70.982 | 4278.6 |
| #3 | 4047.2 | 48773. | 5065.2 | 71.006 | 4286.8 |

Sample Name: CCB06      Acquired: 5/10/2019 18:30:48      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14945      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00176  | .00072  | .00169  | -.00168 | .00196  | -.01001 | .00109  | .00003   |
| Stddev | .00163  | .00092  | .00094  | .00131  | .00112  | .00604  | .00057  | .00001   |
| %RSD   | 93.141  | 128.36  | 55.650  | 78.051  | 57.364  | 60.375  | 52.265  | 18.343   |
| #1     | .00185  | .00151  | .00145  | -.00130 | .00324  | -.01697 | .00122  | .00004   |
| #2     | .00008  | .00095  | .00272  | -.00314 | .00146  | -.00693 | .00158  | .00003   |
| #3     | .00334  | -.00030 | .00089  | -.00060 | .00117  | -.00613 | .00046  | .00002   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003  | -.01048 | .00004  | .00006  | -.00099 | .00021  | .00001  | -.04073  |
| Stddev | .00008  | .01695  | .00021  | .00006  | .00025  | .00119  | .00003  | .05575   |
| %RSD   | 296.35  | 161.71  | 573.83  | 96.717  | 25.273  | 554.29  | 292.73  | 136.87   |
| #1     | -.00003 | -.01421 | -.00004 | .00003  | -.00104 | .00159  | .00004  | -.10511  |
| #2     | .00012  | .00802  | -.00012 | .00013  | -.00072 | -.00046 | -.00002 | -.00935  |
| #3     | -.00000 | -.02525 | .00027  | .00002  | -.00121 | -.00049 | .00001  | -.00775  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00023 | .00006  | -.08842 | -.00013 | -.00032 | -.13653 | .00055  | .01442   |
| Stddev | .00011  | .00024  | .00489  | .00041  | .00006  | .03157  | .00025  | .01648   |
| %RSD   | 50.791  | 364.49  | 5.5339  | 309.08  | 18.810  | 23.121  | 45.525  | 114.27   |
| #1     | -.00014 | .00012  | -.09393 | -.00045 | -.00027 | -.12374 | .00080  | .01113   |
| #2     | -.00036 | .00027  | -.08457 | -.00027 | -.00032 | -.17248 | .00053  | .03230   |
| #3     | -.00018 | -.00019 | -.08676 | .00033  | -.00039 | -.11336 | .00031  | -.00017  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00629 | .00790  | .00117  | -.00008 | -.00177 | .0017   | .00014  | F 2.9297 |
| Stddev | .00379  | .00074  | .00034  | .00041  | .00094  | .0011   | .00001  | .1881    |
| %RSD   | 60.316  | 9.3587  | 29.371  | 512.54  | 53.071  | 64.35   | 6.4298  | 6.4218   |
| #1     | -.00956 | .00832  | .00097  | .00008  | -.00273 | .0029   | .00013  | 2.7360   |
| #2     | -.00716 | .00704  | .00097  | -.00054 | -.00173 | .0009   | .00014  | 3.1118   |
| #3     | -.00213 | .00832  | .00156  | .00022  | -.00085 | .0012   | .00015  | 2.9412   |

Sample Name: CCB06      Acquired: 5/10/2019 18:30:48      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14945      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 5.4083 |
| Stddev | 2.7158   |
| %RSD   | 50.214   |

|    |        |
|----|--------|
| #1 | 3.8392 |
| #2 | 3.8415 |
| #3 | 8.5442 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4200.5 | 50810. | 5085.9 | 73.631 | 4803.3 |
| Stddev    | 10.9   | 237.   | 21.2   | 1.083  | 5.0    |
| %RSD      | .25873 | .46727 | .41651 | 1.4716 | .10305 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4188.2 | 50595. | 5109.9 | 72.417 | 4799.4 |
| #2 | 4204.2 | 50770. | 5077.8 | 73.975 | 4801.7 |
| #3 | 4209.0 | 51064. | 5069.9 | 74.500 | 4808.9 |

Sample Name: K2800-01MS      Acquired: 5/10/2019 18:35:17      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .82782 | 2.0888 | 1.1420 | 2.0354 | .80735 | 16.864 | .31108 |
| Stddev | .00175 | .0096  | .0042  | .0124  | .00118 | .093   | .00161 |
| %RSD   | .21091 | .46051 | .36717 | .61033 | .14588 | .55348 | .51680 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82981 | 2.0806 | 1.1405 | 2.0211 | .80866 | 16.865 | .31120 |
| #2 | .82710 | 2.0864 | 1.1388 | 2.0430 | .80638 | 16.769 | .30941 |
| #3 | .82655 | 2.0993 | 1.1468 | 2.0422 | .80702 | 16.956 | .31262 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20367 | .20095 | 54.039 | .45678 | .21272 | .40253 | 13.375 |
| Stddev | .00032 | .00065 | .272   | .00084 | .00035 | .00169 | .032   |
| %RSD   | .15778 | .32265 | .50354 | .18315 | .16595 | .42002 | .23653 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20396 | .20042 | 54.013 | .45690 | .21231 | .40079 | 13.406 |
| #2 | .20332 | .20075 | 54.322 | .45588 | .21292 | .40264 | 13.343 |
| #3 | .20373 | .20167 | 53.780 | .45754 | .21293 | .40416 | 13.378 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .45146 | 7.6088 | .52688 | .07193 | 10.658 | .36947 | .45383 |
| Stddev | .00022 | .0365  | .00083 | .00043 | .049   | .00173 | .00010 |
| %RSD   | .04921 | .47936 | .15775 | .60061 | .45968 | .46778 | .02273 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .45167 | 7.6509 | .52612 | .07236 | 10.648 | .37124 | .45394 |
| #2 | .45123 | 7.5882 | .52674 | .07194 | 10.615 | .36779 | .45382 |
| #3 | .45148 | 7.5872 | .52777 | .07149 | 10.711 | .36938 | .45374 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 17.041 | .43153 | .34607 | 8.5091 | F 23.259 | .72573 | .69534 |
| Stddev | .072   | .00189 | .01169 | .0216  | .155     | .00489 | .00408 |
| %RSD   | .42139 | .43860 | 3.3784 | .25396 | .66689   | .67435 | .58614 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.964 | .42966 | .34735 | 8.4991 | 23.312 | .72146 | .69962 |
| #2 | 17.051 | .43150 | .35707 | 8.4943 | 23.380 | .72465 | .69492 |
| #3 | 17.106 | .43344 | .33379 | 8.5339 | 23.084 | .73107 | .69150 |

Sample Name: K2800-01MS      Acquired: 5/10/2019 18:35:17      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .21659 | 6.575  | .58011 | 3.9180 | F<.00000 |
| Stddev | .00280 | .018   | .00206 | .1592  | 1.2903   |
| %RSD   | 1.2911 | .2675  | .35596 | 4.0637 | 6.9324   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21465 | 6.557 | .57998 | 4.0976 | -17.132 |
| #2 | .21532 | 6.577 | .58224 | 3.8622 | -19.491 |
| #3 | .21979 | 6.592 | .57811 | 3.7943 | -19.217 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4080.3 | 49535. | 5079.3 | 71.158 | 4440.9 |
| Stddev    | 14.4   | 211.   | 34.2   | 1.129  | 13.8   |
| %RSD      | .35364 | .42583 | .67362 | 1.5871 | .31127 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4063.8 | 49317. | 5057.9 | 69.854 | 4425.0 |
| #2 | 4086.5 | 49738. | 5061.1 | 71.824 | 4449.7 |
| #3 | 4090.6 | 49552. | 5118.7 | 71.797 | 4448.1 |

Sample Name: K2800-01MSD      Acquired: 5/10/2019 18:39:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .82370 | 2.0918 | 1.1445 | 2.0432 | .81028 | 16.939 | .31061 |
| Stddev | .00497 | .0091  | .0024  | .0053  | .00290 | .013   | .00141 |
| %RSD   | .60371 | .43647 | .21266 | .26113 | .35755 | .07575 | .45539 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82934 | 2.0824 | 1.1419 | 2.0395 | .80801 | 16.934 | .30916 |
| #2 | .82181 | 2.1007 | 1.1466 | 2.0494 | .81354 | 16.929 | .31199 |
| #3 | .81995 | 2.0923 | 1.1450 | 2.0408 | .80928 | 16.953 | .31068 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20345 | .20119 | 54.579 | .45922 | .21277 | .40349 | 13.484 |
| Stddev | .00070 | .00040 | .065   | .00092 | .00104 | .00151 | .030   |
| %RSD   | .34506 | .19977 | .11943 | .20124 | .48943 | .37531 | .22490 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20357 | .20074 | 54.513 | .45818 | .21174 | .40241 | 13.457 |
| #2 | .20408 | .20131 | 54.643 | .45995 | .21273 | .40522 | 13.517 |
| #3 | .20269 | .20152 | 54.580 | .45953 | .21383 | .40283 | 13.479 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .45267 | 7.5759 | .52865 | .07264 | 10.690 | .37159 | .45213 |
| Stddev | .00113 | .0302  | .00252 | .00047 | .070   | .00128 | .00038 |
| %RSD   | .25064 | .39933 | .47631 | .65307 | .65257 | .34507 | .08345 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .45188 | 7.6107 | .52575 | .07223 | 10.612 | .37030 | .45177 |
| #2 | .45397 | 7.5603 | .53010 | .07253 | 10.711 | .37287 | .45252 |
| #3 | .45217 | 7.5566 | .53012 | .07316 | 10.746 | .37161 | .45211 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 17.153 | .43423 | .35532 | 8.5595 | F 23.723 | .72575 | .70711 |
| Stddev | .039   | .00025 | .00519 | .0330  | .199     | .00178 | .00109 |
| %RSD   | .22921 | .05676 | 1.4601 | .38543 | .83976   | .24552 | .15352 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.184 | .43426 | .35544 | 8.5281 | 23.932 | .72370 | .70820 |
| #2 | 17.109 | .43447 | .36044 | 8.5566 | 23.703 | .72670 | .70603 |
| #3 | 17.167 | .43398 | .35007 | 8.5939 | 23.535 | .72687 | .70708 |

Sample Name: K2800-01MSD      Acquired: 5/10/2019 18:39:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: EFFL-4MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .21781 | 6.600  | .58065 | 3.8627 | F<.00000 |
| Stddev | .00090 | .011   | .00128 | .2132  | 2.4142   |
| %RSD   | .41549 | .1640  | .21996 | 5.5189 | 14.928   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21748 | 6.589 | .58081 | 3.6635 | -13.409 |
| #2 | .21712 | 6.611 | .58184 | 4.0875 | -17.872 |
| #3 | .21883 | 6.599 | .57930 | 3.8370 | -17.236 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4088.7 | 49525. | 5053.7 | 70.187 | 4448.2 |
| Stddev    | 18.0   | 117.   | 38.1   | 1.865  | 8.3    |
| %RSD      | .44027 | .23567 | .75361 | 2.6572 | .18750 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4072.3 | 49417. | 5019.9 | 68.063 | 4439.8 |
| #2 | 4085.9 | 49509. | 5046.2 | 71.557 | 4448.2 |
| #3 | 4108.0 | 49649. | 5094.9 | 70.941 | 4456.5 |

Sample Name: K2800-01A      Acquired: 5/10/2019 18:43:24      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8200      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .81997 | 2.0693 | 1.1313 | 2.0282 | .80550 | 17.477 | .31046 |
| Stddev | .00345 | .0057  | .0037  | .0096  | .00453 | .073   | .00083 |
| %RSD   | .42069 | .27409 | .32538 | .47279 | .56180 | .41563 | .26841 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .81874 | 2.0673 | 1.1271 | 2.0230 | .80284 | 17.519 | .31126 |
| #2 | .82386 | 2.0757 | 1.1338 | 2.0392 | .81072 | 17.519 | .31053 |
| #3 | .81730 | 2.0649 | 1.1331 | 2.0222 | .80293 | 17.394 | .30960 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20179 | .19974 | 53.753 | .45588 | .21105 | .40012 | 13.525 |
| Stddev | .00068 | .00082 | .179   | .00135 | .00051 | .00080 | .021   |
| %RSD   | .33610 | .41238 | .33294 | .29533 | .24344 | .19985 | .15406 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20243 | .19916 | 53.942 | .45508 | .21070 | .40014 | 13.517 |
| #2 | .20188 | .20068 | 53.730 | .45512 | .21164 | .40091 | 13.509 |
| #3 | .20108 | .19937 | 53.586 | .45743 | .21082 | .39931 | 13.549 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .44930 | 7.6574 | .52495 | .07176 | 10.633 | .37015 | .44713 |
| Stddev | .00124 | .0596  | .00167 | .00030 | .010   | .00049 | .00022 |
| %RSD   | .27522 | .77862 | .31771 | .41621 | .09766 | .13293 | .04890 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .44793 | 7.5992 | .52366 | .07203 | 10.633 | .36965 | .44738 |
| #2 | .45032 | 7.7183 | .52683 | .07144 | 10.643 | .37064 | .44704 |
| #3 | .44967 | 7.6547 | .52436 | .07182 | 10.622 | .37015 | .44698 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 17.166 | .43140 | .36127 | 8.4761 | F 24.653 | .72029 | .74835 |
| Stddev | .039   | .00097 | .00495 | .0110  | .149     | .00229 | .00448 |
| %RSD   | .22767 | .22532 | 1.3696 | .12959 | .60512   | .31838 | .59872 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.211 | .43098 | .35804 | 8.4725 | 24.816 | .71885 | .75351 |
| #2 | 17.144 | .43251 | .35880 | 8.4884 | 24.524 | .72293 | .74600 |
| #3 | 17.142 | .43071 | .36697 | 8.4674 | 24.619 | .71908 | .74553 |

Sample Name: K2800-01A      Acquired: 5/10/2019 18:43:24      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8200      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .21607 | 6.561  | .57488 | 3.8088 | F<.00000 |
| Stddev | .00161 | .023   | .00290 | .2058  | 3.8263   |
| %RSD   | .74412 | .3475  | .50461 | 5.4041 | 23.613   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21765 | 6.540 | .57815 | 3.6274 | -18.868 |
| #2 | .21614 | 6.585 | .57385 | 4.0325 | -11.820 |
| #3 | .21444 | 6.558 | .57263 | 3.7664 | -17.924 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4126.4 | 50013. | 5121.8 | 71.971 | 4494.2 |
| Stddev    | 9.9    | 180.   | 26.1   | .912   | 11.3   |
| %RSD      | .23900 | .35991 | .50862 | 1.2666 | .25215 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4117.8 | 49889. | 5097.0 | 71.658 | 4484.2 |
| #2 | 4124.4 | 49930. | 5119.4 | 71.257 | 4491.8 |
| #3 | 4137.2 | 50219. | 5148.9 | 72.998 | 4506.5 |

Sample Name: K2761-01      Acquired: 5/10/2019 18:47:28      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-SF-03-006      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05357 | -.00700 | 1.0184 | -.00871 | .00124 | 86.928 | .80134 |
| Stddev | .00275 | .00091  | .0021  | .00382  | .00185 | .268   | .00322 |
| %RSD   | 5.1311 | 13.048  | .20997 | 43.877  | 149.85 | .30801 | .40205 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .05262 | -.00675 | 1.0206 | -.01308 | .00337 | 86.631 | .79763 |
| #2 | .05666 | -.00623 | 1.0182 | -.00701 | .00000 | 87.004 | .80339 |
| #3 | .05141 | -.00801 | 1.0163 | -.00603 | .00034 | 87.150 | .80301 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00778 | -.00176 | 521.25 | .21594 | .09310 | .42759 | 146.68 |
| Stddev | .00006 | .00003  | 2.72   | .00113 | .00066 | .00157 | .46    |
| %RSD   | .71925 | 1.9181  | .52097 | .52122 | .70376 | .36639 | .31260 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00772 | -.00173 | 522.87 | .21476 | .09251 | .42821 | 146.27 |
| #2 | .00783 | -.00180 | 518.11 | .21700 | .09298 | .42875 | 146.59 |
| #3 | .00779 | -.00174 | 522.76 | .21605 | .09380 | .42581 | 147.18 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.9814 | 168.43 | .47469 | -.02172 | 5.3840 | .41369 | 1.0155 |
| Stddev | .0010  | .78    | .00157 | .00027  | .0230  | .00230 | .0045  |
| %RSD   | .03246 | .46451 | .33168 | 1.2254  | .42653 | .55603 | .44531 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.9822 | 168.02 | .47453 | -.02175 | 5.3603 | .41108 | 1.0190 |
| #2 | 2.9803 | 169.33 | .47320 | -.02197 | 5.4061 | .41457 | 1.0104 |
| #3 | 2.9817 | 167.94 | .47633 | -.02144 | 5.3857 | .41542 | 1.0171 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.960 | .00597 | .21599 | F 20.435 | 1.4438 | .02339 | 3.3283 |
| Stddev | .065   | .00023 | .01472 | .034     | .0144  | .00101 | .0112  |
| %RSD   | .50435 | 3.8145 | 6.8170 | .16880   | 1.0006 | 4.3223 | .33581 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.884 | .00574 | .22782 | 20.458 | 1.4450 | .02301 | 3.3250 |
| #2 | 13.002 | .00620 | .19950 | 20.395 | 1.4288 | .02454 | 3.3191 |
| #3 | 12.993 | .00598 | .22066 | 20.450 | 1.4576 | .02263 | 3.3407 |

Sample Name: K2761-01      Acquired: 5/10/2019 18:47:28      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-SF-03-006      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .12633 | 5.409  | .93839 | 2.6449 | F<.00000 |
| Stddev | .00160 | .021   | .00772 | .2065  | 3.1752   |
| %RSD   | 1.2687 | .3936  | .82281 | 7.8075 | 1.9792   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .12675 | 5.434 | .94224 | 2.6954 | -156.77 |
| #2 | .12455 | 5.399 | .92950 | 2.4179 | -162.51 |
| #3 | .12767 | 5.395 | .94343 | 2.8215 | -161.99 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4205.3 | 50939. | 5665.6 | 69.284 | 3846.5 |
| Stddev    | 3.0    | 117.   | 36.7   | .548   | 12.8   |
| %RSD      | .07065 | .22956 | .64844 | .79096 | .33322 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4208.6 | 51027. | 5637.3 | 69.915 | 3838.7 |
| #2 | 4202.9 | 50806. | 5707.1 | 68.926 | 3861.3 |
| #3 | 4204.2 | 50983. | 5652.4 | 69.012 | 3839.4 |

Sample Name: K2761-03      Acquired: 5/10/2019 18:51:52      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FK-SF-03-006      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06378 | -.00750 | .78387 | -.01237 | .00006 | 102.73 | .85878 |
| Stddev | .00261 | .00284  | .00377 | .00299  | .00072 | 1.12   | .00741 |
| %RSD   | 4.0944 | 37.807  | .48155 | 24.156  | 1221.3 | 1.0874 | .86325 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .06093 | -.01034 | .78218 | -.01527 | .00050  | 103.70 | .86131 |
| #2 | .06434 | -.00466 | .78123 | -.00930 | -.00077 | 102.98 | .86460 |
| #3 | .06606 | -.00750 | .78819 | -.01254 | .00044  | 101.51 | .85043 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00890 | -.00078 | 1021.8 | .26566 | .10823 | .48817 | 163.11 |
| Stddev | .00022 | .00008  | 67.7   | .00050 | .00104 | .00121 | .36    |
| %RSD   | 2.4799 | 10.788  | 6.6244 | .18840 | .96516 | .24857 | .22228 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00873 | -.00069 | 1052.1 | .26588 | .10735 | .48822 | 163.53 |
| #2 | .00881 | -.00086 | 1069.1 | .26601 | .10795 | .48693 | 162.85 |
| #3 | .00915 | -.00080 | 944.27 | .26508 | .10938 | .48936 | 162.97 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.7208 | 219.87 | .44473 | -.02896 | 8.2699 | .51965 | 1.6358 |
| Stddev | .0040  | 1.80   | .00110 | .00048  | .0597  | .00221 | .0034  |
| %RSD   | .10611 | .81920 | .24793 | 1.6642  | .72210 | .42535 | .20463 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.7169 | 220.79 | .44578 | -.02856 | 8.3076 | .51735 | 1.6349 |
| #2 | 3.7248 | 221.02 | .44358 | -.02883 | 8.3011 | .52176 | 1.6330 |
| #3 | 3.7208 | 217.79 | .44484 | -.02950 | 8.2011 | .51985 | 1.6395 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.266 | .00871 | .32246 | F 29.033 | 1.3064 | .04677 | 3.6325 |
| Stddev | .095   | .00040 | .00816 | .029     | .0792  | .00023 | .2342  |
| %RSD   | .66755 | 4.6141 | 2.5304 | .10107   | 6.0647 | .48516 | 6.4462 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.356 | .00886 | .33148 | 29.031 | 1.3475 | .04684 | 3.7332 |
| #2 | 14.276 | .00825 | .32032 | 29.005 | 1.3566 | .04696 | 3.7994 |
| #3 | 14.166 | .00901 | .31558 | 29.063 | 1.2150 | .04652 | 3.3648 |

Sample Name: K2761-03      Acquired: 5/10/2019 18:51:52      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FK-SF-03-006      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .14331 | 6.219  | 1.4794 | 3.7274 | F<.00000 |
| Stddev    | .00910 | .011   | .1121  | .0482  | 1.7359   |
| %RSD      | 6.3513 | .1836  | 7.5757 | 1.2919 | 1.0664   |
| #1        | .14762 | 6.206  | 1.5332 | 3.6762 | -160.88  |
| #2        | .14946 | 6.226  | 1.5544 | 3.7718 | -164.29  |
| #3        | .13286 | 6.225  | 1.3506 | 3.7342 | -163.17  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 4008.6 | 48384. | 5690.2 | 66.841 | 3586.1   |
| Stddev    | 10.0   | 104.   | 358.6  | 5.020  | 3.1      |
| %RSD      | .24880 | .21448 | 6.3017 | 7.5099 | .08764   |
| #1        | 3998.1 | 48273. | 5518.8 | 64.572 | 3584.5   |
| #2        | 4009.7 | 48400. | 5449.5 | 63.356 | 3589.8   |
| #3        | 4018.0 | 48478. | 6102.3 | 72.595 | 3584.1   |

Sample Name: K2769-01      Acquired: 5/10/2019 18:56:16      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03371 | .00085 | .30200 | .00186 | .00270 | 106.60 | 2.2283 |
| Stddev | .00250 | .00154 | .00327 | .00065 | .00058 | .42    | .0089  |
| %RSD   | 7.4050 | 181.81 | 1.0827 | 34.885 | 21.635 | .39318 | .40017 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .03627 | .00039  | .29896 | .00179 | .00214 | 106.13 | 2.2191 |
| #2 | .03128 | .00256  | .30546 | .00125 | .00330 | 106.72 | 2.2289 |
| #3 | .03359 | -.00041 | .30158 | .00254 | .00265 | 106.94 | 2.2369 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00917 | -.00361 | 54.472 | .07959 | .05909 | .20686 | 165.76 |
| Stddev | .00018 | .00008  | .280   | .00081 | .00031 | .00029 | .51    |
| %RSD   | 1.9992 | 2.3252  | .51454 | 1.0124 | .53056 | .13894 | .30877 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00901 | -.00352 | 54.733 | .07868 | .05873 | .20663 | 165.17 |
| #2 | .00912 | -.00369 | 54.508 | .08018 | .05932 | .20676 | 166.09 |
| #3 | .00937 | -.00362 | 54.176 | .07992 | .05921 | .20718 | 166.01 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4811 | 23.875 | .12367 | -.01494 | .40013 | .15071 | .86612 |
| Stddev | .0272  | .181   | .00098 | .00033  | .00374 | .00008 | .00151 |
| %RSD   | .49556 | .75846 | .79124 | 2.2341  | .93489 | .05591 | .17391 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.4540 | 23.667 | .12287 | -.01532 | .40230 | .15074 | .86683 |
| #2 | 5.4809 | 23.960 | .12476 | -.01479 | .39581 | .15077 | .86440 |
| #3 | 5.5083 | 23.998 | .12337 | -.01471 | .40228 | .15061 | .86715 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.1114 | .00166 | .16541 | 9.3639 | 2.5352 | .01085 | .29743 |
| Stddev | .0387  | .00015 | .01106 | .0312  | .0224  | .00068 | .00184 |
| %RSD   | .54418 | 8.7810 | 6.6859 | .33365 | .88343 | 6.3139 | .61722 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.0814 | .00172 | .16199 | 9.3669 | 2.5414 | .01050 | .29935 |
| #2 | 7.1551 | .00176 | .17777 | 9.3935 | 2.5538 | .01041 | .29724 |
| #3 | 7.0976 | .00149 | .15646 | 9.3313 | 2.5103 | .01164 | .29569 |

Sample Name: K2769-01      Acquired: 5/10/2019 18:56:16      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .15749 | F 12.53 | .25092 | 1.8949 | F<.00000 |
| Stddev    | .00150 | .02     | .00232 | .2927  | 1.6270   |
| %RSD      | .95338 | .1895   | .92476 | 15.446 | .81669   |
| #1        | .15648 | 12.52   | .25294 | 2.1050 | -200.63  |
| #2        | .15921 | 12.56   | .25143 | 1.5606 | -197.43  |
| #3        | .15677 | 12.52   | .24839 | 2.0190 | -199.58  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 4257.4 | 51618.  | 5451.9 | 71.072 | 4358.1   |
| Stddev    | 2.4    | 98.     | 26.5   | .790   | 7.8      |
| %RSD      | .05565 | .19001  | .48543 | 1.1122 | .17943   |
| #1        | 4258.6 | 51728.  | 5431.2 | 71.971 | 4349.6   |
| #2        | 4254.7 | 51588.  | 5442.8 | 70.487 | 4360.0   |
| #3        | 4258.9 | 51539.  | 5481.7 | 70.758 | 4364.9   |

Sample Name: K2769-02      Acquired: 5/10/2019 19:00:53      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06268 | .01045 | .41461 | -.01902 | .00073 | 213.50 | 1.8906 |
| Stddev | .00040 | .00153 | .00262 | .00219  | .00298 | 1.25   | .0135  |
| %RSD   | .64067 | 14.667 | .63077 | 11.504  | 406.30 | .58563 | .71252 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .06298 | .00887 | .41159 | -.01752 | -.00140 | 212.20 | 1.8781 |
| #2 | .06223 | .01057 | .41624 | -.01801 | .00414  | 213.60 | 1.8888 |
| #3 | .06284 | .01193 | .41600 | -.02153 | -.00054 | 214.69 | 1.9048 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01918 | -.00614 | 13.387 | .16618 | .12354 | .26013 | 318.37 |
| Stddev | .00024 | .00011  | .036   | .00040 | .00095 | .00161 | .73    |
| %RSD   | 1.2647 | 1.7804  | .26983 | .24201 | .76600 | .61846 | .22846 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01943 | -.00620 | 13.348 | .16630 | .12276 | .25914 | 317.64 |
| #2 | .01917 | -.00602 | 13.394 | .16573 | .12460 | .26199 | 318.39 |
| #3 | .01895 | -.00621 | 13.420 | .16651 | .12328 | .25927 | 319.09 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.9207 | 58.869 | .26360 | -.03937 | .42660 | .25326 | 1.2594 |
| Stddev | .0397  | .628   | .00125 | .00033  | .00298 | .00033 | .0013  |
| %RSD   | .40027 | 1.0665 | .47275 | .84696  | .69782 | .13084 | .10234 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.8852 | 58.155 | .26235 | -.03914 | .42730 | .25331 | 1.2584 |
| #2 | 9.9636 | 59.122 | .26484 | -.03922 | .42334 | .25356 | 1.2591 |
| #3 | 9.9134 | 59.331 | .26359 | -.03975 | .42917 | .25290 | 1.2609 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.1445 | -.00171 | .22154 | 4.6915 | 4.0956 | .01578 | .31692 |
| Stddev | .0549  | .00039  | .00553 | .0095  | .0437  | .00123 | .00337 |
| %RSD   | .60052 | 22.587  | 2.4953 | .20354 | 1.0669 | 7.7621 | 1.0626 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 9.1054 | -.00131 | .22159 | 4.6809 | 4.1459 | .01539 | .31623 |
| #2 | 9.1208 | -.00208 | .22704 | 4.6993 | 4.0728 | .01716 | .32058 |
| #3 | 9.2073 | -.00173 | .21599 | 4.6945 | 4.0680 | .01480 | .31395 |

Sample Name: K2769-02      Acquired: 5/10/2019 19:00:53      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |        |          |
|--------|--------|---------|---------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg    | .31955 | F 17.76 | -.22375 | 1.0410 | F<.00000 |
| Stddev | .00080 | .03     | .00064  | .1372  | 3.3490   |
| %RSD   | .25054 | .1926   | .28798  | 13.175 | .68559   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .32047 | 17.77 | -.22314 | .88820 | -492.20 |
| #2 | .31898 | 17.73 | -.22370 | 1.1534 | -487.54 |
| #3 | .31921 | 17.80 | -.22442 | 1.0815 | -485.70 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4342.8 | 52348. | 5641.2 | 71.415 | 4227.5 |
| Stddev    | 5.8    | 36.    | 15.3   | 1.455  | 5.5    |
| %RSD      | .13464 | .06967 | .27094 | 2.0373 | .13000 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4336.2 | 52379. | 5623.6 | 73.029 | 4221.3 |
| #2 | 4347.2 | 52357. | 5650.6 | 71.013 | 4231.5 |
| #3 | 4345.2 | 52308. | 5649.5 | 70.204 | 4229.8 |

Sample Name: K2769-03      Acquired: 5/10/2019 19:05:27      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .04373 | .00843 | .22413 | -.01148 | .00276 | 174.66 | 1.4398 |
| Stddev | .00600 | .00143 | .00201 | .00297  | .00073 | .42    | .0007  |
| %RSD   | 13.710 | 16.960 | .89795 | 25.863  | 26.293 | .24040 | .04825 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .04788 | .00863 | .22644 | -.01421 | .00360 | 174.50 | 1.4395 |
| #2 | .03686 | .00691 | .22319 | -.01192 | .00234 | 175.14 | 1.4406 |
| #3 | .04646 | .00974 | .22276 | -.00832 | .00234 | 174.34 | 1.4393 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01390 | -.00718 | 9.9920 | .19366 | .08526 | .20115 | 244.91 |
| Stddev | .00022 | .00007  | .0456  | .00043 | .00061 | .00068 | .59    |
| %RSD   | 1.5778 | .91875  | .45607 | .22097 | .71636 | .33875 | .23909 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01414 | -.00724 | 9.9818 | .19361 | .08495 | .20165 | 244.24 |
| #2 | .01372 | -.00711 | 9.9524 | .19326 | .08596 | .20143 | 245.23 |
| #3 | .01384 | -.00718 | 10.042 | .19411 | .08485 | .20038 | 245.27 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.6868 | 43.938 | .22273 | -.02521 | .44609 | .19798 | .94300 |
| Stddev | .0326  | .167   | .00130 | .00040  | .00365 | .00114 | .00114 |
| %RSD   | .57304 | .37912 | .58255 | 1.5954  | .81927 | .57583 | .12039 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.7162 | 43.843 | .22229 | -.02488 | .44861 | .19798 | .94361 |
| #2 | 5.6518 | 43.841 | .22419 | -.02565 | .44190 | .19912 | .94369 |
| #3 | 5.6924 | 44.130 | .22170 | -.02508 | .44777 | .19684 | .94169 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.6451 | -.00082 | .18881 | 3.2475 | 5.6793 | .01061 | .35542 |
| Stddev | .0304  | .00009  | .01939 | .0068  | .0338  | .00089 | .00475 |
| %RSD   | .45737 | 11.465  | 10.268 | .21077 | .59585 | 8.4143 | 1.3360 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.6631 | -.00081 | .19186 | 3.2484 | 5.7112 | .01005 | .36086 |
| #2 | 6.6622 | -.00072 | .16808 | 3.2539 | 5.6438 | .01164 | .35210 |
| #3 | 6.6100 | -.00091 | .20649 | 3.2403 | 5.6828 | .01015 | .35329 |

Sample Name: K2769-03      Acquired: 5/10/2019 19:05:27      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P026-SS017-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |        |          |
|-----------|--------|---------|---------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg       | .27609 | F 14.33 | -.17972 | 1.4765 | F<.00000 |
| Stddev    | .00193 | .04     | .00048  | .1976  | 2.2244   |
| %RSD      | .69905 | .2945   | .26978  | 13.381 | .66717   |
| #1        | .27499 | 14.30   | -.17931 | 1.4798 | -331.37  |
| #2        | .27832 | 14.38   | -.17960 | 1.2773 | -335.78  |
| #3        | .27496 | 14.31   | -.18026 | 1.6724 | -333.09  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4379.0 | 52735.  | 5639.7  | 71.655 | 4324.5   |
| Stddev    | 5.6    | 99.     | 45.1    | 1.296  | 10.6     |
| %RSD      | .12853 | .18730  | .79952  | 1.8088 | .24553   |
| #1        | 4384.4 | 52621.  | 5618.9  | 72.009 | 4330.1   |
| #2        | 4373.1 | 52790.  | 5691.4  | 72.738 | 4312.2   |
| #3        | 4379.5 | 52794.  | 5608.7  | 70.219 | 4331.0   |

Sample Name: K2769-04      Acquired: 5/10/2019 19:10:01      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03786 | .00570 | .21210 | -.00756 | -.00056 | 176.50 | 2.1233 |
| Stddev | .00067 | .00073 | .00202 | .00342  | .00157  | .53    | .0125  |
| %RSD   | 1.7792 | 12.788 | .95228 | 45.273  | 279.48  | .29815 | .58959 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .03717 | .00571 | .21048 | -.00380 | .00089  | 176.90 | 2.1271 |
| #2 | .03852 | .00642 | .21436 | -.00838 | -.00035 | 175.91 | 2.1094 |
| #3 | .03790 | .00496 | .21147 | -.01049 | -.00223 | 176.69 | 2.1335 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01477 | -.00734 | 8.7085 | .12479 | .10573 | .18311 | 260.77 |
| Stddev | .00016 | .00008  | .0154  | .00077 | .00062 | .00036 | 1.05   |
| %RSD   | 1.0771 | 1.1420  | .17643 | .61336 | .59084 | .19509 | .40346 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01493 | -.00742 | 8.6971 | .12467 | .10615 | .18340 | 261.94 |
| #2 | .01462 | -.00725 | 8.7260 | .12410 | .10602 | .18271 | 260.49 |
| #3 | .01476 | -.00736 | 8.7025 | .12562 | .10501 | .18323 | 259.89 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 11.691 | 36.717 | .17758 | -.02749 | .47079 | .16692 | .90605 |
| Stddev | .016   | .109   | .00023 | .00053  | .00729 | .00051 | .00043 |
| %RSD   | .13919 | .29732 | .12722 | 1.9099  | 1.5490 | .30444 | .04786 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.704 | 36.722 | .17782 | -.02808 | .47822 | .16636 | .90636 |
| #2 | 11.697 | 36.605 | .17755 | -.02709 | .46364 | .16735 | .90556 |
| #3 | 11.673 | 36.823 | .17737 | -.02730 | .47050 | .16706 | .90624 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5468 | -.00231 | .20176 | 3.0004 | 6.0035 | .00967 | .39636 |
| Stddev | .0455  | .00003  | .00764 | .0144  | .0780  | .00053 | .01235 |
| %RSD   | .69432 | 1.2264  | 3.7874 | .47916 | 1.2986 | 5.4888 | 3.1148 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.5834 | -.00228 | .20761 | 3.0145 | 6.0150 | .00914 | .40675 |
| #2 | 6.5609 | -.00234 | .20454 | 3.0010 | 6.0750 | .01020 | .38271 |
| #3 | 6.4959 | -.00231 | .19311 | 2.9858 | 5.9204 | .00969 | .39961 |

Sample Name: K2769-04      Acquired: 5/10/2019 19:10:01      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-1      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |        |          |
|-----------|--------|---------|---------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg       | .24676 | F 13.88 | -.19442 | 1.4626 | F<.00000 |
| Stddev    | .00095 | .02     | .00102  | .2327  | 1.0301   |
| %RSD      | .38449 | .1336   | .52209  | 15.911 | .28641   |
| #1        | .24738 | 13.89   | -.19557 | 1.2090 | -358.78  |
| #2        | .24567 | 13.86   | -.19407 | 1.5124 | -360.78  |
| #3        | .24723 | 13.90   | -.19363 | 1.6664 | -359.37  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4357.2 | 52473.  | 5620.9  | 73.089 | 4305.2   |
| Stddev    | 2.7    | 236.    | 49.8    | 1.996  | 1.1      |
| %RSD      | .06293 | .44986  | .88570  | 2.7307 | .02654   |
| #1        | 4355.4 | 52211.  | 5595.5  | 74.888 | 4305.1   |
| #2        | 4355.8 | 52540.  | 5589.0  | 70.942 | 4304.1   |
| #3        | 4360.4 | 52669.  | 5678.3  | 73.437 | 4306.4   |

Sample Name: K2769-05      Acquired: 5/10/2019 19:14:35      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P026-SS017-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01055 | .00436 | .10368 | .00136 | .00036 | 173.85 | 2.1029 |
| Stddev | .00136 | .00113 | .00057 | .00246 | .00148 | 1.03   | .0107  |
| %RSD   | 12.860 | 25.832 | .55067 | 180.45 | 412.69 | .59312 | .50981 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .00963 | .00481 | .10304 | .00112  | .00132  | 172.86 | 2.0947 |
| #2 | .01211 | .00519 | .10414 | -.00097 | -.00135 | 174.92 | 2.1150 |
| #3 | .00991 | .00308 | .10386 | .00394  | .00111  | 173.77 | 2.0990 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00724 | -.00534 | 9.4740 | .14515 | .07521 | .07402 | 149.25 |
| Stddev | .00007 | .00019  | .0778  | .00137 | .00040 | .00038 | .46    |
| %RSD   | .90952 | 3.6043  | .82073 | .94378 | .53299 | .50861 | .30627 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00723 | -.00517 | 9.5512 | .14599 | .07567 | .07443 | 149.06 |
| #2 | .00731 | -.00531 | 9.3957 | .14356 | .07498 | .07391 | 148.92 |
| #3 | .00718 | -.00555 | 9.4753 | .14588 | .07498 | .07370 | 149.77 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 10.289 | 32.286 | .15227 | -.01225 | .57612 | .09789 | .51161 |
| Stddev | .056   | .217   | .00132 | .00005  | .01015 | .00055 | .00053 |
| %RSD   | .54088 | .67209 | .86385 | .38523  | 1.7622 | .56203 | .10397 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 10.265 | 32.083 | .15379 | -.01230 | .57031 | .09853 | .51223 |
| #2 | 10.250 | 32.259 | .15153 | -.01220 | .57020 | .09757 | .51132 |
| #3 | 10.353 | 32.515 | .15149 | -.01225 | .58784 | .09757 | .51129 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.1379 | -.00265 | .13111 | 1.9985 | 7.0521 | .00925 | .40707 |
| Stddev | .0251  | .00047  | .00771 | .0180  | .1349  | .00192 | .00537 |
| %RSD   | .35172 | 17.777  | 5.8824 | .90245 | 1.9131 | 20.719 | 1.3196 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.1091 | -.00229 | .12755 | 2.0193 | 7.1980 | .00955 | .41304 |
| #2 | 7.1552 | -.00248 | .12582 | 1.9889 | 6.9318 | .01099 | .40556 |
| #3 | 7.1494 | -.00319 | .13995 | 1.9872 | 7.0264 | .00720 | .40262 |

Sample Name: K2769-05      Acquired: 5/10/2019 19:14:35      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P026-SS017-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .32575 | 7.039  | -.06858 | 1.6074 | F<.00000 |
| Stddev | .00146 | .042   | .00064  | .0899  | 3.6643   |
| %RSD   | .44848 | .6006  | .92781  | 5.5947 | 2.1308   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .32425 | 7.086 | -.06848 | 1.5095 | -170.99 |
| #2 | .32583 | 7.029 | -.06799 | 1.6265 | -176.02 |
| #3 | .32716 | 7.003 | -.06925 | 1.6863 | -168.89 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4402.8 | 52748. | 5627.2 | 74.907 | 4395.2 |
| Stddev    | 3.4    | 19.    | 59.5   | 1.279  | 7.7    |
| %RSD      | .07673 | .03641 | 1.0580 | 1.7070 | .17562 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4399.6 | 52760. | 5572.5 | 75.507 | 4390.4 |
| #2 | 4402.6 | 52757. | 5690.6 | 75.775 | 4391.0 |
| #3 | 4406.3 | 52726. | 5618.7 | 73.438 | 4404.1 |

Sample Name: CCV07      Acquired: 5/10/2019 19:19:11      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14946      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0217 | 5.0977 | 4.9093 | 5.0734 | 4.9718 | 9.8644 | 9.8799 | .25048   |
| Stddev | .0084  | .0136  | .0058  | .0228  | .0094  | .2482  | .2197  | .00724   |
| %RSD   | .16791 | .26671 | .11870 | .44913 | .18899 | 2.5162 | 2.2241 | 2.8910   |
| #1     | 5.0181 | 5.0975 | 4.9085 | 5.0992 | 4.9815 | 9.5969 | 9.6467 | .24212   |
| #2     | 5.0313 | 5.0842 | 4.9038 | 5.0647 | 4.9628 | 9.9091 | 9.9097 | .25456   |
| #3     | 5.0156 | 5.1114 | 4.9154 | 5.0562 | 4.9711 | 10.087 | 10.083 | .25475   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4837 | 27.355 | 1.0111 | 2.5292 | 1.2478 | 5.1110 | 2.5273 | 25.100   |
| Stddev | .0026  | 2.091  | .0215  | .0033  | .0006  | .1040  | .0559  | .692     |
| %RSD   | .10510 | 7.6442 | 2.1228 | .13142 | .04920 | 2.0338 | 2.2135 | 2.7580   |
| #1     | 2.4841 | 26.155 | .98636 | 2.5295 | 1.2482 | 4.9914 | 2.4627 | 24.434   |
| #2     | 2.4810 | 26.140 | 1.0244 | 2.5258 | 1.2482 | 5.1794 | 2.5614 | 25.050   |
| #3     | 2.4862 | 29.770 | 1.0227 | 2.5324 | 1.2471 | 5.1623 | 2.5577 | 25.816   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5047 | 1.2525 | 24.977 | 2.5456 | 2.4575 | 24.987 | 5.1216 | 4.9636   |
| Stddev | .0092  | .0249  | .593   | .0505  | .0044  | .508   | .0103  | .0991    |
| %RSD   | .36623 | 1.9895 | 2.3747 | 1.9859 | .17780 | 2.0321 | .20070 | 1.9966   |
| #1     | 2.5068 | 1.2239 | 24.342 | 2.4873 | 2.4574 | 24.426 | 5.1309 | 4.8552   |
| #2     | 2.4946 | 1.2647 | 25.072 | 2.5744 | 2.4532 | 25.122 | 5.1105 | 4.9861   |
| #3     | 2.5126 | 1.2691 | 25.517 | 2.5753 | 2.4620 | 25.414 | 5.1235 | 5.0495   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1690 | 5.3284 | 5.0262 | 5.3290 | 5.1904 | 5.199  | 5.3316 | F 4.0573 |
| Stddev | .0095  | .3854  | .0126  | .4074  | .3922  | .013   | .4110  | .3828    |
| %RSD   | .18307 | 7.2320 | .25053 | 7.6443 | 7.5555 | .2549  | 7.7084 | 9.4355   |
| #1     | 5.1792 | 5.0817 | 5.0248 | 5.0936 | 4.9625 | 5.209  | 5.0994 | 3.6177   |
| #2     | 5.1606 | 5.1311 | 5.0144 | 5.0940 | 4.9656 | 5.184  | 5.0893 | 4.3178   |
| #3     | 5.1673 | 5.7725 | 5.0395 | 5.7994 | 5.6433 | 5.203  | 5.8061 | 4.2363   |

Sample Name: CCV07      Acquired: 5/10/2019 19:19:11      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14946      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.3391 |
| Stddev | .7719    |
| %RSD   | 23.118   |

|    |        |
|----|--------|
| #1 | 2.4503 |
| #2 | 3.8421 |
| #3 | 3.7249 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4059.0 | 48866. | 4850.7 | 67.291 | 4306.7 |
| Stddev    | 14.1   | 821.   | 287.2  | 4.665  | 12.1   |
| %RSD      | .34645 | 1.6807 | 5.9208 | 6.9327 | .27985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4044.0 | 49765. | 5027.9 | 67.802 | 4292.8 |
| #2 | 4060.9 | 48156. | 5005.0 | 71.680 | 4313.3 |
| #3 | 4072.0 | 48677. | 4519.4 | 62.392 | 4314.1 |

Sample Name: CCB07      Acquired: 5/10/2019 19:23:12      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14946      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |          |
|--------|---------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00111  | -.00079 | .00136  | .00092  | .00164  | -.00949 | .00068  | .00001   |
| Stddev | .00233  | .00167  | .00028  | .00163  | .00102  | .00455  | .00058  | .00005   |
| %RSD   | 209.49  | 211.95  | 20.860  | 176.78  | 62.070  | 47.965  | 85.312  | 431.05   |
| #1     | .00255  | .00108  | .00106  | .00279  | .00155  | -.01271 | .00135  | -.00004  |
| #2     | -.00158 | -.00215 | .00163  | .00013  | .00270  | -.00428 | .00037  | .00007   |
| #3     | .00236  | -.00130 | .00138  | -.00016 | .00067  | -.01147 | .00032  | .00000   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001  | -.00852 | -.00004 | .00026  | -.00148 | .00127  | .00007  | -.02144  |
| Stddev | .00003  | .01528  | .00016  | .00010  | .00036  | .00064  | .00009  | .02462   |
| %RSD   | 357.24  | 179.39  | 431.79  | 37.336  | 24.064  | 50.218  | 120.42  | 114.82   |
| #1     | .00001  | .00511  | -.00010 | .00017  | -.00189 | .00180  | .00012  | .00310   |
| #2     | .00004  | -.02503 | -.00015 | .00036  | -.00123 | .00145  | .00012  | -.02128  |
| #3     | -.00002 | -.00563 | .00014  | .00024  | -.00133 | .00056  | -.00003 | -.04615  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00009 | .00017  | -.11110 | -.00007 | -.00041 | -.14865 | .00056  | .01279   |
| Stddev | .00022  | .00039  | .00349  | .00044  | .00006  | .01511  | .00026  | .00421   |
| %RSD   | 246.34  | 233.83  | 3.1379  | 613.56  | 15.632  | 10.165  | 47.138  | 32.954   |
| #1     | .00011  | .00059  | -.11492 | .00008  | -.00039 | -.14835 | .00086  | .01182   |
| #2     | -.00032 | -.00015 | -.10810 | -.00056 | -.00036 | -.16392 | .00041  | .00914   |
| #3     | -.00006 | .00005  | -.11027 | .00027  | -.00048 | -.13370 | .00041  | .01740   |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00376 | .00705  | .00106  | .00075  | -.00019 | .0021   | .00019  | F 2.3810 |
| Stddev | .00301  | .00061  | .00058  | .00131  | .00033  | .0006   | .00004  | .1582    |
| %RSD   | 79.976  | 8.5828  | 55.069  | 174.70  | 175.80  | 27.77   | 21.061  | 6.6454   |
| #1     | -.00616 | .00637  | .00156  | .00184  | -.00038 | .0025   | .00023  | 2.2461   |
| #2     | -.00474 | .00754  | .00042  | -.00070 | -.00037 | .0024   | .00015  | 2.5552   |
| #3     | -.00039 | .00725  | .00120  | .00110  | .00019  | .0014   | .00018  | 2.3417   |

Sample Name: CCB07      Acquired: 5/10/2019 19:23:12      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14946      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.0588 |
| Stddev | 2.2828   |
| %RSD   | 56.244   |

|    |        |
|----|--------|
| #1 | 1.8489 |
| #2 | 6.4082 |
| #3 | 3.9193 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4259.2 | 51181. | 5097.1 | 73.289 | 4863.5 |
| Stddev    | 9.5    | 47.    | 31.0   | 1.928  | 8.9    |
| %RSD      | .22229 | .09160 | .60795 | 2.6305 | .18281 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4251.5 | 51218. | 5129.5 | 71.658 | 4857.8 |
| #2 | 4269.8 | 51198. | 5094.1 | 75.417 | 4873.8 |
| #3 | 4256.3 | 51129. | 5067.7 | 72.792 | 4859.0 |

Sample Name: K2792-02      Acquired: 5/10/2019 19:27:41      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DRUM-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00269 | -.00009 | .00381 | -.00152 | .00185 | 1.6844 | .06420 | .00013 |
| Stddev | .00023 | .00066  | .00059 | .00123  | .00184 | .0068  | .00019 | .00009 |
| %RSD   | 8.6196 | 733.33  | 15.584 | 81.322  | 99.003 | .40187 | .29491 | 73.140 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00290 | -.00018 | .00328 | -.00017 | .00199  | 1.6786 | .06399 | .00017 |
| #2 | .00244 | .00061  | .00445 | -.00179 | -.00005 | 1.6828 | .06426 | .00002 |
| #3 | .00273 | -.00071 | .00369 | -.00259 | .00362  | 1.6918 | .06436 | .00018 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 1.7896 | .00772 | .00240 | .01928 | 3.7382 | .07431 | 1.3492 |
| Stddev | .00001  | .0047  | .00057 | .00030 | .00033 | .0050  | .00023 | .0346  |
| %RSD   | 10.926  | .26419 | 7.3527 | 12.423 | 1.7194 | .13500 | .30405 | 2.5662 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00010 | 1.7862 | .00814 | .00207 | .01898 | 3.7325 | .07455 | 1.3348 |
| #2 | -.00009 | 1.7950 | .00707 | .00264 | .01964 | 3.7397 | .07410 | 1.3241 |
| #3 | -.00011 | 1.7877 | .00795 | .00250 | .01922 | 3.7423 | .07428 | 1.3887 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00490 | -.00007 | .18842 | .00353 | .13567 | .11812 | .00021 | .00896 |
| Stddev | .00007 | .00019  | .00870 | .00031 | .00026 | .05101 | .00022 | .00681 |
| %RSD   | 1.4570 | 263.57  | 4.6174 | 8.6989 | .19030 | 43.185 | 103.09 | 76.052 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00498 | -.00030 | .19732 | .00365 | .13554 | .05923 | -.00002 | .00612 |
| #2 | .00488 | .00003  | .17994 | .00318 | .13549 | .14660 | .00040  | .01674 |
| #3 | .00484 | .00005  | .18800 | .00377 | .13596 | .14853 | .00025  | .00403 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06662 | .14623 | .00105 | .05082 | -.00337 | .0658  | .00155 | 1.4489 |
| Stddev | .00490 | .00614 | .00019 | .00288 | .00053  | .0005  | .00006 | .1113  |
| %RSD   | 7.3580 | 4.1976 | 18.207 | 5.6655 | 15.857  | .8096  | 3.9317 | 7.6801 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .06097 | .14812 | .00110 | .05401 | -.00319 | .0663 | .00148 | 1.3217 |
| #2 | .06911 | .15120 | .00120 | .05001 | -.00397 | .0658 | .00157 | 1.5279 |
| #3 | .06978 | .13937 | .00083 | .04843 | -.00295 | .0653 | .00160 | 1.4972 |

Sample Name: K2792-02      Acquired: 5/10/2019 19:27:41      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DRUM-COMP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      2.7022  
 Stddev      1.2836  
 %RSD      47.503

#1      2.9692  
 #2      3.8314  
 #3      1.3061

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4511.4 | 54191. | 5456.3 | 80.450 | 5183.9 |
| Stddev    | 9.9    | 70.    | 22.7   | 2.066  | 12.2   |
| %RSD      | .21906 | .12922 | .41546 | 2.5678 | .23443 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4509.0 | 54196. | 5463.2 | 82.817 | 5193.5 |
| #2 | 4502.9 | 54258. | 5431.0 | 79.008 | 5188.0 |
| #3 | 4522.3 | 54118. | 5474.8 | 79.525 | 5170.2 |

Sample Name: K2801-01      Acquired: 5/10/2019 19:32:06      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-1873      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .09814 | .01081 | .31996 | -.01396 | .00084 | 272.37 | 1.5702 |
| Stddev | .00246 | .00070 | .00146 | .00774  | .00063 | 1.46   | .0083  |
| %RSD   | 2.5059 | 6.4499 | .45662 | 55.433  | 74.558 | .53530 | .52801 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .10014 | .01003 | .32154 | -.01487 | .00156 | 272.39 | 1.5748 |
| #2 | .09888 | .01102 | .31866 | -.00581 | .00058 | 270.90 | 1.5607 |
| #3 | .09539 | .01138 | .31968 | -.02121 | .00039 | 273.81 | 1.5752 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01785 | -.00361 | 15.479 | .25127 | .10708 | .21565 | 276.87 |
| Stddev | .00038 | .00006  | .063   | .00058 | .00080 | .00077 | .18    |
| %RSD   | 2.1121 | 1.7844  | .40822 | .23008 | .74267 | .35871 | .06672 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01764 | -.00355 | 15.519 | .25070 | .10794 | .21654 | 276.65 |
| #2 | .01763 | -.00368 | 15.406 | .25185 | .10693 | .21518 | 276.96 |
| #3 | .01829 | -.00361 | 15.512 | .25126 | .10637 | .21523 | 276.99 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.6304 | 23.674 | .19469 | -.03317 | 3.8799 | .45731 | 1.3762 |
| Stddev | .0347  | .154   | .00075 | .00096  | .0203  | .00238 | .0011  |
| %RSD   | .74930 | .64837 | .38449 | 2.8905  | .52393 | .52073 | .08178 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.5980 | 23.510 | .19535 | -.03253 | 3.8577 | .45625 | 1.3753 |
| #2 | 4.6262 | 23.698 | .19484 | -.03270 | 3.8844 | .45565 | 1.3775 |
| #3 | 4.6670 | 23.815 | .19388 | -.03427 | 3.8975 | .46004 | 1.3759 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.5036 | .00064 | .21479 | 1.5529 | 5.7576 | .02018 | .75820 |
| Stddev | .0317  | .00022 | .00792 | .0053  | .0552  | .00080 | .00555 |
| %RSD   | .37295 | 34.796 | 3.6859 | .34064 | .95933 | 3.9825 | .73151 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.5163 | .00089 | .21971 | 1.5468 | 5.7460 | .01925 | .76337 |
| #2 | 8.4675 | .00051 | .20566 | 1.5557 | 5.7091 | .02067 | .75234 |
| #3 | 8.5270 | .00051 | .21901 | 1.5563 | 5.8177 | .02061 | .75890 |

Sample Name: K2801-01      Acquired: 5/10/2019 19:32:06      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-1873      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .16053 | 8.583  | -.21154 | <.00000 | F<.00000 |
| Stddev | .00135 | .023   | .00042  | .12048  | 2.1434   |
| %RSD   | .84124 | .2714  | .19915  | 219.45  | .50635   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .15960 | 8.605 | -.21193 | -.07476 | -425.07 |
| #2 | .15991 | 8.585 | -.21159 | .07427  | -423.91 |
| #3 | .16208 | 8.558 | -.21110 | -.16423 | -420.91 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4713.4 | 55610. | 6086.2 | 72.400 | 4228.1 |
| Stddev    | 10.4   | 126.   | 9.9    | 1.179  | 6.9    |
| %RSD      | .22060 | .22696 | .16254 | 1.6290 | .16233 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4701.6 | 55647. | 6097.6 | 72.759 | 4221.7 |
| #2 | 4717.6 | 55714. | 6081.2 | 71.083 | 4227.1 |
| #3 | 4721.0 | 55470. | 6079.8 | 73.359 | 4235.4 |

Sample Name: K2801-04      Acquired: 5/10/2019 19:36:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06873 | .00635 | .15366 | -.00084 | .00128 | 112.07 | .30773 |
| Stddev | .00245 | .00107 | .00266 | .00385  | .00130 | .07    | .00070 |
| %RSD   | 3.5669 | 16.901 | 1.7282 | 458.47  | 101.91 | .06422 | .22760 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .06599 | .00721 | .15082 | -.00142 | .00196  | 112.01 | .30699 |
| #2 | .06948 | .00515 | .15410 | .00326  | -.00022 | 112.15 | .30838 |
| #3 | .07072 | .00670 | .15607 | -.00436 | .00210  | 112.03 | .30782 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00907 | -.00551 | 7.6571 | .15453 | .06835 | .14399 | 170.42 |
| Stddev | .00008 | .00019  | .0157  | .00085 | .00036 | .00117 | .42    |
| %RSD   | .93113 | 3.3819  | .20448 | .54911 | .52887 | .81349 | .24703 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00897 | -.00572 | 7.6509 | .15521 | .06801 | .14270 | 169.99 |
| #2 | .00912 | -.00536 | 7.6456 | .15481 | .06831 | .14428 | 170.83 |
| #3 | .00911 | -.00544 | 7.6749 | .15358 | .06873 | .14499 | 170.44 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.8637 | 19.190 | .10940 | -.01644 | 2.3718 | .22824 | .56841 |
| Stddev | .0013  | .184   | .00096 | .00056  | .0279  | .00044 | .00054 |
| %RSD   | .06821 | .95746 | .88039 | 3.4079  | 1.1747 | .19461 | .09423 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.8624 | 18.980 | .10834 | -.01704 | 2.3416 | .22842 | .56817 |
| #2 | 1.8638 | 19.322 | .11023 | -.01593 | 2.3964 | .22774 | .56903 |
| #3 | 1.8649 | 19.269 | .10962 | -.01635 | 2.3776 | .22857 | .56804 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.9817 | -.00019 | .15799 | .68630 | 3.6516 | .00825 | .49885 |
| Stddev | .0403  | .00040  | .00610 | .00675 | .0613  | .00031 | .00095 |
| %RSD   | .67335 | 210.13  | 3.8624 | .98292 | 1.6783 | 3.7648 | .19000 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 5.9356 | -.00058 | .16119 | .68060 | 3.6136 | .00858 | .49833 |
| #2 | 6.0098 | -.00019 | .16182 | .68454 | 3.6190 | .00797 | .49994 |
| #3 | 5.9998 | .00021  | .15095 | .69375 | 3.7223 | .00819 | .49828 |

Sample Name: K2801-04      Acquired: 5/10/2019 19:36:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200035      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .10260 | 4.220  | -.13942 | 1.5275 | F<.00000 |
| Stddev | .00087 | .021   | .00026  | .1539  | 3.6979   |
| %RSD   | .84451 | .4930  | .18796  | 10.078 | 1.8430   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .10224 | 4.199 | -.13928 | 1.5337 | -198.38 |
| #2 | .10359 | 4.221 | -.13972 | 1.6782 | -198.65 |
| #3 | .10197 | 4.240 | -.13925 | 1.3705 | -204.91 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4501.4 | 53699. | 5675.3 | 74.439 | 4434.8 |
| Stddev    | 2.1    | 131.   | 20.6   | 2.237  | 4.3    |
| %RSD      | .04630 | .24383 | .36234 | 3.0051 | .09719 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4503.5 | 53721. | 5652.8 | 74.082 | 4439.4 |
| #2 | 4501.4 | 53558. | 5679.9 | 72.402 | 4434.3 |
| #3 | 4499.3 | 53817. | 5693.1 | 76.833 | 4430.8 |

Sample Name: K2801-04DUP      Acquired: 5/10/2019 19:41:14      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035DU      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07014 | .00732 | .15283 | -.00025 | .00133 | 111.69 | .30621 |
| Stddev | .00018 | .00068 | .00159 | .00505  | .00029 | .34    | .00165 |
| %RSD   | .25861 | 9.2390 | 1.0419 | 2022.6  | 21.637 | .30334 | .53832 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .07012 | .00773 | .15281 | .00310  | .00153 | 111.31 | .30432 |
| #2 | .06998 | .00654 | .15443 | -.00605 | .00100 | 111.80 | .30731 |
| #3 | .07034 | .00769 | .15125 | .00220  | .00147 | 111.96 | .30701 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00893 | -.00558 | 7.7043 | .15498 | .06738 | .14391 | 169.96 |
| Stddev | .00029 | .00004  | .0621  | .00145 | .00022 | .00077 | .24    |
| %RSD   | 3.2399 | .70472  | .80557 | .93450 | .31982 | .53461 | .14370 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00861 | -.00561 | 7.6656 | .15362 | .06725 | .14302 | 169.69 |
| #2 | .00903 | -.00553 | 7.6714 | .15650 | .06763 | .14432 | 170.16 |
| #3 | .00916 | -.00558 | 7.7759 | .15482 | .06727 | .14439 | 170.03 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.8560 | 19.128 | .10788 | -.01645 | 2.3611 | .22432 | .56897 |
| Stddev | .0016  | .127   | .00027 | .00032  | .0098  | .00127 | .00042 |
| %RSD   | .08486 | .66565 | .25289 | 1.9508  | .41529 | .56544 | .07448 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.8571 | 19.027 | .10811 | -.01679 | 2.3500 | .22554 | .56927 |
| #2 | 1.8568 | 19.271 | .10757 | -.01615 | 2.3647 | .22301 | .56848 |
| #3 | 1.8542 | 19.085 | .10794 | -.01640 | 2.3685 | .22442 | .56915 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.9179 | -.00001 | .14690 | .68225 | 3.6410 | .00702 | .49445 |
| Stddev | .0259  | .00025  | .00737 | .00241 | .0339  | .00048 | .00128 |
| %RSD   | .43764 | 2024.9  | 5.0148 | .35322 | .93141 | 6.8557 | .25910 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 5.9410 | .00020  | .15497 | .68376 | 3.6800 | .00656 | .49405 |
| #2 | 5.9229 | -.00030 | .14521 | .68352 | 3.6188 | .00698 | .49589 |
| #3 | 5.8899 | .00006  | .14052 | .67947 | 3.6242 | .00752 | .49342 |

Sample Name: K2801-04DUP      Acquired: 5/10/2019 19:41:14      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035DU      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .10136 | 4.173  | -.13890 | 1.5479 | F<.00000 |
| Stddev    | .00016 | .013   | .00009  | .2374  | 4.6546   |
| %RSD      | .15365 | .3193  | .06378  | 15.336 | 2.3340   |
| #1        | .10124 | 4.166  | -.13899 | 1.7537 | -195.05  |
| #2        | .10131 | 4.188  | -.13891 | 1.2882 | -198.91  |
| #3        | .10154 | 4.165  | -.13881 | 1.6017 | -204.32  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4525.8 | 53807. | 5657.6  | 73.092 | 4460.8   |
| Stddev    | 7.0    | 150.   | 15.6    | 1.154  | 4.8      |
| %RSD      | .15558 | .27871 | .27638  | 1.5790 | .10774   |
| #1        | 4519.1 | 53667. | 5641.3  | 71.809 | 4466.2   |
| #2        | 4533.1 | 53788. | 5672.4  | 74.046 | 4457.2   |
| #3        | 4525.1 | 53965. | 5659.1  | 73.420 | 4458.9   |

Sample Name: K2801-04LX5      Acquired: 5/10/2019 19:45:43      Type: Unk  
Method: P4-ICP2(v3107)      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 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01739 | .00090 | .03089 | .00218 | .00350 | 23.870 | .06579 |
| Stddev | .00444 | .00104 | .00152 | .00277 | .00122 | .148   | .00026 |
| %RSD   | 25.545 | 116.13 | 4.9084 | 127.09 | 34.977 | .62080 | .39994 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .01243 | -.00028 | .03262 | -.00023 | .00354 | 23.703 | .06563 |
| #2 | .01873 | .00171  | .02977 | .00520  | .00470 | 23.985 | .06610 |
| #3 | .02101 | .00127  | .03030 | .00157  | .00225 | 23.922 | .06565 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00190 | -.00208 | 1.7326 | .03392 | .01395 | .03144 | 41.389 |
| Stddev | .00006 | .00006  | .0107  | .00057 | .00014 | .00012 | .380   |
| %RSD   | 2.9496 | 2.6610  | .61832 | 1.6922 | 1.0287 | .38828 | .91810 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00185 | -.00204 | 1.7202 | .03326 | .01378 | .03157 | 40.960 |
| #2 | .00190 | -.00214 | 1.7389 | .03426 | .01404 | .03133 | 41.683 |
| #3 | .00196 | -.00207 | 1.7387 | .03425 | .01403 | .03141 | 41.524 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .41068 | 4.1352 | .02173 | -.00289 | .40735 | .04891 | .11238 |
| Stddev | .00114 | .0896  | .00026 | .00023  | .01453 | .00049 | .00011 |
| %RSD   | .27817 | 2.1678 | 1.1748 | 7.8541  | 3.5673 | 1.0036 | .10090 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .40983 | 4.0318 | .02202 | -.00306 | .39288 | .04836 | .11241 |
| #2 | .41198 | 4.1917 | .02164 | -.00264 | .40723 | .04930 | .11225 |
| #3 | .41022 | 4.1821 | .02154 | -.00298 | .42194 | .04907 | .11248 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1277 | -.00000 | .04477 | .13269 | .84430 | .00057 | .11118 |
| Stddev | .0264  | .00041  | .00260 | .00069 | .01825 | .00032 | .00306 |
| %RSD   | 2.3388 | 11162.  | 5.8121 | .52103 | 2.1612 | 56.171 | 2.7501 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 1.1528 | -.00047 | .04603 | .13204 | .84095 | .00047 | .10926 |
| #2 | 1.1301 | .00020  | .04177 | .13263 | .82797 | .00031 | .10958 |
| #3 | 1.1002 | .00026  | .04650 | .13341 | .86399 | .00092 | .11471 |

Sample Name: K2801-04LX5      Acquired: 5/10/2019 19:45:43      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .02201 | .8447  | -.03481 | 2.6707 | F<.00000 |
| Stddev | .00106 | .0038  | .00034  | .0491  | 1.3370   |
| %RSD   | 4.8082 | .4462  | .97215  | 1.8365 | 4.4062   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .02158 | .8418 | -.03442 | 2.6444 | -31.622 |
| #2 | .02321 | .8433 | -.03503 | 2.7273 | -28.955 |
| #3 | .02123 | .8489 | -.03497 | 2.6404 | -30.454 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4318.5 | 51458. | 5207.9 | 74.342 | 4712.6 |
| Stddev    | 5.4    | 35.    | 30.0   | .629   | 5.1    |
| %RSD      | .12542 | .06772 | .57520 | .84563 | .10890 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4313.2 | 51495. | 5174.2 | 73.850 | 4707.5 |
| #2 | 4324.0 | 51426. | 5217.9 | 74.125 | 4712.3 |
| #3 | 4318.3 | 51452. | 5231.6 | 75.050 | 4717.8 |

Sample Name: K2801-04MS      Acquired: 5/10/2019 19:50:14      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77723 | 2.0161 | 1.1503 | 1.7739 | .12627 | 135.82 | .50827 |
| Stddev | .00276 | .0042  | .0038  | .0032  | .00049 | .40    | .00202 |
| %RSD   | .35512 | .21041 | .33422 | .17844 | .38800 | .29306 | .39736 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77702 | 2.0196 | 1.1466 | 1.7727 | .12579 | 135.42 | .50609 |
| #2 | .78009 | 2.0174 | 1.1543 | 1.7775 | .12625 | 135.82 | .50863 |
| #3 | .77458 | 2.0114 | 1.1499 | 1.7715 | .12677 | 136.21 | .51008 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19446 | .19131 | 8.9438 | .54670 | .27759 | .42672 | 175.19 |
| Stddev | .00041 | .00035 | .0096  | .00057 | .00077 | .00192 | .42    |
| %RSD   | .21007 | .18378 | .10752 | .10465 | .27669 | .44906 | .24059 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19458 | .19091 | 8.9544 | .54722 | .27716 | .42667 | 175.67 |
| #2 | .19480 | .19157 | 8.9356 | .54609 | .27848 | .42865 | 174.91 |
| #3 | .19401 | .19146 | 8.9414 | .54679 | .27714 | .42482 | 174.98 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0286 | 22.502 | .62553 | .05064 | 5.3313 | .53808 | .85013 |
| Stddev | .0025  | .132   | .00262 | .00052 | .0601  | .00055 | .00092 |
| %RSD   | .12172 | .58457 | .41827 | 1.0361 | 1.1267 | .10130 | .10821 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0263 | 22.386 | .62517 | .05006 | 5.2922 | .53768 | .85056 |
| #2 | 2.0283 | 22.645 | .62830 | .05079 | 5.3013 | .53786 | .85077 |
| #3 | 2.0312 | 22.476 | .62310 | .05108 | 5.4005 | .53870 | .84908 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.707 | .32984 | .35534 | .66850 | 4.1933 | .61916 | .65460 |
| Stddev | .017   | .00062 | .00724 | .00531 | .0375  | .00249 | .00097 |
| %RSD   | .11022 | .18708 | 2.0385 | .79448 | .89508 | .40229 | .14747 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.687 | .32913 | .36274 | .67259 | 4.2318 | .61723 | .65492 |
| #2 | 15.714 | .33017 | .35501 | .67042 | 4.1568 | .62197 | .65536 |
| #3 | 15.720 | .33023 | .34827 | .66250 | 4.1912 | .61827 | .65351 |

Sample Name: K2801-04MS      Acquired: 5/10/2019 19:50:14      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200035MS Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .30117 | F 10.06 | .04732 | 1.9457 | F<.00000 |
| Stddev | .00180 | .03     | .00091 | .0949  | 6.1751   |
| %RSD   | .59784 | .2752   | 1.9163 | 4.8794 | 2.8379   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .30124 | 10.06 | .04820 | 1.8413 | -217.46 |
| #2 | .29934 | 10.08 | .04639 | 1.9688 | -223.83 |
| #3 | .30294 | 10.03 | .04738 | 2.0269 | -211.49 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4500.3 | 53779. | 5626.8 | 72.838 | 4395.0 |
| Stddev    | 2.9    | 94.    | 43.2   | 2.057  | 7.8    |
| %RSD      | .06462 | .17480 | .76734 | 2.8242 | .17808 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4497.5 | 53694. | 5578.1 | 72.414 | 4389.7 |
| #2 | 4503.3 | 53763. | 5641.8 | 75.073 | 4391.3 |
| #3 | 4499.9 | 53880. | 5660.4 | 71.025 | 4404.0 |

Sample Name: K2801-04MSD      Acquired: 5/10/2019 19:54:36      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77459 | 2.0120 | 1.1439 | 1.7707 | .12442 | 135.36 | .50603 |
| Stddev | .00479 | .0050  | .0060  | .0065  | .00334 | .67    | .00222 |
| %RSD   | .61847 | .24989 | .52460 | .36706 | 2.6869 | .49735 | .43870 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77397 | 2.0068 | 1.1380 | 1.7729 | .12565 | 134.71 | .50399 |
| #2 | .77014 | 2.0168 | 1.1437 | 1.7634 | .12063 | 135.32 | .50572 |
| #3 | .77966 | 2.0123 | 1.1500 | 1.7758 | .12697 | 136.05 | .50839 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19408 | .19044 | 8.9790 | .54591 | .27654 | .42535 | 175.88 |
| Stddev | .00057 | .00018 | .0073  | .00068 | .00137 | .00089 | .37    |
| %RSD   | .29160 | .09404 | .08109 | .12518 | .49574 | .20969 | .20895 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19460 | .19040 | 8.9800 | .54663 | .27580 | .42432 | 176.25 |
| #2 | .19348 | .19028 | 8.9712 | .54527 | .27570 | .42594 | 175.52 |
| #3 | .19415 | .19064 | 8.9857 | .54583 | .27812 | .42578 | 175.88 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0268 | 22.521 | .62581 | .05070 | 5.3264 | .53853 | .84711 |
| Stddev | .0019  | .203   | .00142 | .00054 | .0181  | .00151 | .00041 |
| %RSD   | .09215 | .90058 | .22732 | 1.0689 | .33889 | .28025 | .04847 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0263 | 22.356 | .62501 | .05019 | 5.3299 | .54017 | .84687 |
| #2 | 2.0252 | 22.459 | .62497 | .05127 | 5.3068 | .53720 | .84758 |
| #3 | 2.0289 | 22.747 | .62746 | .05065 | 5.3424 | .53822 | .84687 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.728 | .32907 | .36294 | .67136 | 4.0190 | .61636 | .65337 |
| Stddev | .038   | .00097 | .02714 | .00059 | .0370  | .00188 | .00481 |
| %RSD   | .24392 | .29408 | 7.4773 | .08855 | .92150 | .30574 | .73641 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.687 | .32815 | .37682 | .67138 | 4.0618 | .61501 | .65750 |
| #2 | 15.736 | .32900 | .33167 | .67194 | 3.9989 | .61852 | .64809 |
| #3 | 15.762 | .33008 | .38033 | .67075 | 3.9964 | .61556 | .65453 |

Sample Name: K2801-04MSD      Acquired: 5/10/2019 19:54:36      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .29863 | F 10.04 | .04586 | 1.8046 | F<.00000 |
| Stddev | .00221 | .02     | .00063 | .1406  | 2.2654   |
| %RSD   | .74137 | .2205   | 1.3700 | 7.7914 | 1.0642   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .30047 | 10.01 | .04609 | 1.6981 | -214.60 |
| #2 | .29925 | 10.06 | .04634 | 1.7518 | -210.32 |
| #3 | .29618 | 10.05 | .04515 | 1.9640 | -213.72 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4515.6 | 53781. | 5618.8 | 73.692 | 4408.8 |
| Stddev    | 5.5    | 56.    | 39.3   | 1.774  | 7.9    |
| %RSD      | .12096 | .10336 | .69915 | 2.4067 | .17934 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4518.2 | 53717. | 5589.5 | 75.678 | 4409.9 |
| #2 | 4509.4 | 53817. | 5603.5 | 72.264 | 4400.4 |
| #3 | 4519.4 | 53809. | 5663.4 | 73.135 | 4416.1 |

Sample Name: K2801-04A      Acquired: 5/10/2019 19:58:58      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8200      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77824 | 2.0141 | 1.1496 | 1.7794 | .12213 | 135.42 | .50906 |
| Stddev | .00816 | .0098  | .0093  | .0069  | .00147 | .79    | .00174 |
| %RSD   | 1.0491 | .48573 | .80961 | .38950 | 1.2001 | .58328 | .34110 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77214 | 2.0126 | 1.1415 | 1.7761 | .12362 | 135.69 | .51040 |
| #2 | .78751 | 2.0246 | 1.1598 | 1.7874 | .12206 | 136.04 | .50968 |
| #3 | .77506 | 2.0052 | 1.1474 | 1.7747 | .12069 | 134.53 | .50710 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19429 | .19130 | 9.1720 | .54656 | .27684 | .42672 | 175.95 |
| Stddev | .00071 | .00053 | .0488  | .00078 | .00153 | .00184 | .77    |
| %RSD   | .36579 | .27947 | .53237 | .14203 | .55249 | .43181 | .43885 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19512 | .19068 | 9.1237 | .54690 | .27519 | .42491 | 176.28 |
| #2 | .19386 | .19153 | 9.1709 | .54711 | .27821 | .42860 | 176.50 |
| #3 | .19390 | .19167 | 9.2213 | .54567 | .27711 | .42666 | 175.06 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0262 | 22.392 | .62608 | .05107 | 5.3009 | .53898 | .84817 |
| Stddev | .0027  | .102   | .00211 | .00043 | .0189  | .00138 | .00196 |
| %RSD   | .13218 | .45599 | .33675 | .84569 | .35655 | .25536 | .23161 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0292 | 22.425 | .62440 | .05124 | 5.2996 | .54033 | .84593 |
| #2 | 2.0252 | 22.473 | .62845 | .05139 | 5.3205 | .53903 | .84900 |
| #3 | 2.0241 | 22.277 | .62540 | .05058 | 5.2827 | .53758 | .84959 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.731 | .33006 | .35093 | .67102 | 4.0477 | .61798 | .64734 |
| Stddev | .074   | .00188 | .00823 | .00302 | .0506  | .00230 | .00466 |
| %RSD   | .46898 | .56996 | 2.3464 | .45075 | 1.2511 | .37171 | .72042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.708 | .32826 | .36030 | .67405 | 4.0680 | .61614 | .64543 |
| #2 | 15.813 | .33201 | .34485 | .67101 | 3.9901 | .62056 | .64394 |
| #3 | 15.671 | .32990 | .34763 | .66800 | 4.0852 | .61724 | .65266 |

Sample Name: K2801-04A      Acquired: 5/10/2019 19:58:58      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB8200      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .29851 | F 10.07 | .04846 | 1.9831 | F<.00000 |
| Stddev    | .00159 | .04     | .00144 | .1173  | 4.1064   |
| %RSD      | .53300 | .4426   | 2.9794 | 5.9137 | 1.8884   |
| #1        | .30029 | 10.04   | .04777 | 2.0812 | -218.03  |
| #2        | .29805 | 10.12   | .04750 | 2.0150 | -213.09  |
| #3        | .29721 | 10.05   | .05012 | 1.8532 | -221.24  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 4524.2 | 53719.  | 5566.3 | 71.811 | 4423.5   |
| Stddev    | 5.3    | 224.    | 19.8   | .268   | 7.8      |
| %RSD      | .11686 | .41707  | .35566 | .37325 | .17726   |
| #1        | 4519.1 | 53630.  | 5584.0 | 71.694 | 4420.2   |
| #2        | 4523.9 | 53553.  | 5570.0 | 71.621 | 4417.8   |
| #3        | 4529.6 | 53974.  | 5544.9 | 72.117 | 4432.4   |

Sample Name: K2801-07      Acquired: 5/10/2019 20:03:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-3456      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08792 | .00798 | .40580 | -.00759 | .00336 | 255.56 | .71738 |
| Stddev | .00096 | .00091 | .00108 | .00238  | .00123 | 1.39   | .00502 |
| %RSD   | 1.0892 | 11.435 | .26511 | 31.335  | 36.575 | .54391 | .69965 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .08818 | .00899 | .40675 | -.00879 | .00233 | 256.77 | .72027 |
| #2 | .08872 | .00774 | .40601 | -.00485 | .00472 | 255.86 | .72028 |
| #3 | .08686 | .00721 | .40463 | -.00914 | .00302 | 254.04 | .71158 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01285 | -.00416 | 9.1581 | .25767 | .07204 | .23503 | 234.41 |
| Stddev | .00014 | .00026  | .1089  | .00115 | .00103 | .00158 | .96    |
| %RSD   | 1.0586 | 6.2938  | 1.1896 | .44766 | 1.4280 | .67155 | .41029 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01281 | -.00392 | 9.1307 | .25900 | .07316 | .23685 | 233.31 |
| #2 | .01300 | -.00444 | 9.2782 | .25690 | .07115 | .23422 | 235.10 |
| #3 | .01274 | -.00412 | 9.0655 | .25712 | .07181 | .23402 | 234.81 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.5144 | 10.712 | .17234 | -.02599 | 4.6669 | .47840 | 1.1304 |
| Stddev | .0025  | .064   | .00087 | .00045  | .0409  | .00209 | .0002  |
| %RSD   | .16241 | .59426 | .50594 | 1.7230  | .87732 | .43605 | .01579 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.5124 | 10.729 | .17255 | -.02605 | 4.7072 | .47603 | 1.1303 |
| #2 | 1.5172 | 10.641 | .17139 | -.02552 | 4.6681 | .47925 | 1.1302 |
| #3 | 1.5137 | 10.765 | .17309 | -.02641 | 4.6253 | .47994 | 1.1305 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.4893 | .00257 | .19031 | .99861 | 3.4349 | .02069 | 1.0444 |
| Stddev | .0442  | .00031 | .01677 | .00502 | .0556  | .00062 | .0073  |
| %RSD   | .80560 | 12.209 | 8.8126 | .50227 | 1.6191 | 2.9810 | .69629 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.5315 | .00246 | .17539 | 1.0042 | 3.4339 | .02110 | 1.0460 |
| #2 | 5.4433 | .00292 | .18709 | .99449 | 3.4909 | .01998 | 1.0507 |
| #3 | 5.4931 | .00233 | .20846 | .99713 | 3.3797 | .02098 | 1.0364 |

Sample Name: K2801-07      Acquired: 5/10/2019 20:03:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-3456      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .06463 | 4.906  | -.20037 | 1.0104 | F<.00000 |
| Stddev | .00095 | .012   | .00094  | .2166  | 3.6521   |
| %RSD   | 1.4662 | .2378  | .46777  | 21.434 | 1.1220   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .06355 | 4.917 | -.19931 | .79127 | -321.30 |
| #2 | .06503 | 4.907 | -.20073 | 1.0157 | -327.34 |
| #3 | .06531 | 4.894 | -.20108 | 1.2243 | -327.88 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4692.6 | 55378. | 6036.8 | 73.838 | 4312.4 |
| Stddev    | 9.0    | 190.   | 73.7   | 1.844  | 3.1    |
| %RSD      | .19177 | .34227 | 1.2204 | 2.4978 | .07273 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4687.8 | 55320. | 6071.9 | 73.473 | 4314.6 |
| #2 | 4687.0 | 55224. | 5952.1 | 72.204 | 4308.8 |
| #3 | 4703.0 | 55590. | 6086.3 | 75.838 | 4313.9 |

Sample Name: K2762-01      Acquired: 5/10/2019 20:07:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06402 | .00666 | .67000 | -.02253 | .00189 | 195.55 | 1.8374 |
| Stddev | .00210 | .00168 | .00334 | .00245  | .00266 | .40    | .0069  |
| %RSD   | 3.2848 | 25.197 | .49923 | 10.880  | 141.26 | .20572 | .37784 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .06159 | .00819 | .66780 | -.02239 | .00290  | 195.15 | 1.8297 |
| #2 | .06518 | .00691 | .66835 | -.02505 | -.00114 | 195.96 | 1.8432 |
| #3 | .06529 | .00487 | .67385 | -.02015 | .00389  | 195.53 | 1.8392 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02057 | .00907 | 33.426 | .21194 | .19484 | .41055 | 325.01 |
| Stddev | .00032 | .00021 | .343   | .00029 | .00028 | .00085 | .86    |
| %RSD   | 1.5580 | 2.3566 | 1.0269 | .13765 | .14448 | .20621 | .26359 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02093 | .00882 | 33.301 | .21184 | .19453 | .40961 | 325.73 |
| #2 | .02032 | .00919 | 33.163 | .21171 | .19489 | .41080 | 325.24 |
| #3 | .02045 | .00919 | 33.815 | .21227 | .19508 | .41125 | 324.06 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 16.367 | 84.440 | .38935 | -.04453 | 13.167 | .29197 | 5.3164 |
| Stddev | .044   | .408   | .00110 | .00050  | .076   | .00308 | .0031  |
| %RSD   | .26763 | .48363 | .28216 | 1.1148  | .57860 | 1.0537 | .05854 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 16.318 | 84.039 | .38821 | -.04411 | 13.084 | .28861 | 5.3180 |
| #2 | 16.401 | 84.856 | .39040 | -.04441 | 13.233 | .29464 | 5.3184 |
| #3 | 16.383 | 84.425 | .38946 | -.04508 | 13.184 | .29267 | 5.3128 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.761 | -.00288 | .23715 | 7.4488 | 5.3741 | .05215 | .74585 |
| Stddev | .061   | .00041  | .00754 | .0094  | .1088  | .00053 | .00833 |
| %RSD   | .41549 | 14.374  | 3.1793 | .12651 | 2.0252 | 1.0132 | 1.1165 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 14.756 | -.00322 | .23046 | 7.4506 | 5.4780 | .05273 | .73971 |
| #2 | 14.702 | -.00242 | .23567 | 7.4386 | 5.2610 | .05170 | .74252 |
| #3 | 14.824 | -.00300 | .24532 | 7.4572 | 5.3832 | .05201 | .75533 |

Sample Name: K2762-01      Acquired: 5/10/2019 20:07:47      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .43028 | F 10.57 | -.17390 | <.00000 | F<.00000 |
| Stddev    | .00291 | .02     | .00238  | .12903  | 10.489   |
| %RSD      | .67571 | .1963   | 1.3680  | 11.702  | 1.8677   |
| #1        | .43357 | 10.58   | -.17479 | -1.0051 | -549.82  |
| #2        | .42805 | 10.55   | -.17571 | -1.0538 | -565.09  |
| #3        | .42922 | 10.59   | -.17121 | -1.2489 | -569.90  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4718.6 | 56321.  | 6156.8  | 70.318  | 4095.4   |
| Stddev    | 6.0    | 191.    | 60.8    | 2.105   | .9       |
| %RSD      | .12766 | .33919  | .98768  | 2.9931  | .02309   |
| #1        | 4713.5 | 56137.  | 6122.3  | 68.358  | 4094.3   |
| #2        | 4716.9 | 56309.  | 6227.0  | 72.542  | 4096.0   |
| #3        | 4725.2 | 56519.  | 6121.1  | 70.053  | 4095.9   |

Sample Name: CCV08      Acquired: 5/10/2019 20:12:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8198      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9683 | 5.0602 | 4.8601 | 5.0293 | 4.9277 | 9.7911 | 9.7538 | .25120   |
| Stddev | .0180  | .0102  | .0264  | .0164  | .0213  | .0292  | .0369  | .00101   |
| %RSD   | .36202 | .20203 | .54286 | .32615 | .43263 | .29824 | .37805 | .40153   |
| #1     | 4.9502 | 5.0511 | 4.8330 | 5.0125 | 4.9069 | 9.7802 | 9.7518 | .25194   |
| #2     | 4.9684 | 5.0581 | 4.8614 | 5.0303 | 4.9266 | 9.8242 | 9.7917 | .25005   |
| #3     | 4.9862 | 5.0712 | 4.8858 | 5.0452 | 4.9495 | 9.7689 | 9.7180 | .25161   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4724 | 26.139 | 1.0223 | 2.5059 | 1.2420 | 5.1657 | 2.5370 | 24.961   |
| Stddev | .0101  | .089   | .0012  | .0076  | .0031  | .0125  | .0037  | .128     |
| %RSD   | .40911 | .34136 | .11675 | .30238 | .24888 | .24134 | .14707 | .51120   |
| #1     | 2.4618 | 26.085 | 1.0236 | 2.4973 | 1.2398 | 5.1795 | 2.5406 | 24.872   |
| #2     | 2.4735 | 26.242 | 1.0212 | 2.5093 | 1.2407 | 5.1551 | 2.5331 | 25.107   |
| #3     | 2.4819 | 26.090 | 1.0221 | 2.5112 | 1.2455 | 5.1626 | 2.5374 | 24.904   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4988 | 1.2661 | 24.792 | 2.5749 | 2.4278 | 25.097 | 5.1170 | 4.9472   |
| Stddev | .0089  | .0013  | .096   | .0006  | .0059  | .087   | .0189  | .0292    |
| %RSD   | .35777 | .10241 | .38721 | .02189 | .24308 | .34570 | .36878 | .58980   |
| #1     | 2.4902 | 1.2663 | 24.775 | 2.5746 | 2.4218 | 25.096 | 5.0995 | 4.9209   |
| #2     | 2.4983 | 1.2672 | 24.896 | 2.5755 | 2.4279 | 25.185 | 5.1145 | 4.9786   |
| #3     | 2.5080 | 1.2647 | 24.707 | 2.5744 | 2.4336 | 25.011 | 5.1370 | 4.9422   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1494 | 5.2150 | 4.9926 | 5.0724 | 4.9834 | 5.169  | 5.0876 | F 3.8068 |
| Stddev | .0150  | .0227  | .0163  | .0044  | .0025  | .009   | .0090  | .0413    |
| %RSD   | .29133 | .43618 | .32698 | .08678 | .04951 | .1811  | .17660 | 1.0853   |
| #1     | 5.1322 | 5.2185 | 4.9767 | 5.0765 | 4.9806 | 5.161  | 5.0975 | 3.7957   |
| #2     | 5.1561 | 5.1907 | 4.9917 | 5.0678 | 4.9854 | 5.167  | 5.0855 | 3.8526   |
| #3     | 5.1599 | 5.2358 | 5.0094 | 5.0730 | 4.9842 | 5.179  | 5.0799 | 3.7722   |

Sample Name: CCV08      Acquired: 5/10/2019 20:12:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA8198      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.1611 |
| Stddev | 1.8025 |
| %RSD   | 34.924 |

|    |        |
|----|--------|
| #1 | 5.9218 |
| #2 | 3.1030 |
| #3 | 6.4585 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4084.4 | 48600. | 4989.3 | 69.108 | 4334.9 |
| Stddev    | 3.0    | 117.   | 10.1   | 2.064  | 2.0    |
| %RSD      | .07421 | .24032 | .20185 | 2.9862 | .04677 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4083.0 | 48580. | 4979.0 | 71.363 | 4332.8 |
| #2 | 4087.9 | 48494. | 4999.2 | 67.314 | 4336.9 |
| #3 | 4082.4 | 48725. | 4989.7 | 68.647 | 4335.1 |

Sample Name: CCB08      Acquired: 5/10/2019 20:16:22      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8198      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00202 | .00009 | .00253 | -.00091 | .00142 | .00162 | .00036 |
| Stddev | .00084 | .00031 | .00100 | .00047  | .00255 | .01804 | .00046 |
| %RSD   | 41.650 | 338.02 | 39.439 | 52.191  | 179.06 | 1110.7 | 128.93 |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00299 | .00005  | .00232 | -.00093 | .00227  | -.00001 | .00080  |
| #2 | .00155 | -.00020 | .00361 | -.00137 | .00343  | .02043  | -.00012 |
| #3 | .00151 | .00043  | .00165 | -.00042 | -.00144 | -.01554 | .00040  |

|        |        |         |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00010 | -.00002 | .00172 | .00006 | .00010 | -.00148 | .00226 |
| Stddev | .00004 | .00000  | .02028 | .00020 | .00018 | .00014  | .00139 |
| %RSD   | 39.658 | 8.7317  | 1182.8 | 346.41 | 182.90 | 9.6829  | 61.483 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00010 | -.00002 | .01745  | .00020  | -.00001 | -.00132 | .00152 |
| #2 | .00014 | -.00003 | -.02118 | -.00017 | .00031  | -.00160 | .00386 |
| #3 | .00006 | -.00002 | .00888  | .00014  | .00000  | -.00152 | .00140 |

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00016 | -.04476 | -.00003 | .00013 | -.11615 | -.00016 | -.00020 |
| Stddev | .00013 | .01746  | .00017  | .00037 | .00898  | .00024  | .00014  |
| %RSD   | 80.369 | 39.012  | 620.32  | 278.82 | 7.7314  | 155.23  | 73.647  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00009 | -.02484 | .00013  | .00052  | -.12565 | -.00022 | -.00003 |
| #2 | .00031 | -.05202 | -.00001 | .00011  | -.10780 | .00011  | -.00025 |
| #3 | .00009 | -.05741 | -.00021 | -.00023 | -.11498 | -.00036 | -.00030 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.18956 | .00035 | .00738 | -.00433 | .01553 | .00146 | .00062 |
| Stddev | .13010  | .00009 | .00837 | .00398  | .00778 | .00127 | .00092 |
| %RSD   | 68.630  | 26.392 | 113.39 | 91.997  | 50.113 | 87.136 | 147.59 |

|    |         |        |         |         |        |        |         |
|----|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.11624 | .00035 | .01207  | -.00071 | .01039 | .00195 | .00048  |
| #2 | -.33977 | .00045 | .01236  | -.00859 | .02449 | .00241 | .00160  |
| #3 | -.11267 | .00026 | -.00228 | -.00369 | .01172 | .00001 | -.00022 |

Sample Name: CCB08      Acquired: 5/10/2019 20:16:22      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB8198      Custom ID2:      Custom ID3:  
 Comment:

|           |         |        |        |          |          |
|-----------|---------|--------|--------|----------|----------|
| Elem      | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg       | -.00001 | .0023  | .00008 | F 3.3096 | F<.00000 |
| Stddev    | .00112  | .0021  | .00006 | 2.3073   | 1.7292   |
| %RSD      | 13202.  | 92.47  | 72.685 | 69.715   | 218.47   |
| #1        | .00120  | .0038  | .00014 | 2.1990   | -.32233  |
| #2        | -.00102 | .0033  | .00006 | 5.9621   | -2.7069  |
| #3        | -.00021 | -.0001 | .00003 | 1.7676   | .65471   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 4272.3  | 48499. | 5012.9 | 72.622   | 4883.1   |
| Stddev    | 16.3    | 5046.  | 36.0   | 1.048    | 12.5     |
| %RSD      | .38083  | 10.403 | .71785 | 1.4433   | .25619   |
| #1        | 4260.2  | 50776. | 4999.8 | 71.617   | 4874.3   |
| #2        | 4265.8  | 42716. | 4985.4 | 72.542   | 4877.6   |
| #3        | 4290.8  | 52005. | 5053.7 | 73.708   | 4897.4   |

Sample Name: K2762-01DUP      Acquired: 5/10/2019 20:20:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06620 | .00680 | .66882 | -.02366 | .00212 | 195.29 | 1.8229 |
| Stddev | .00223 | .00257 | .00352 | .00369  | .00101 | .40    | .0056  |
| %RSD   | 3.3629 | 37.723 | .52642 | 15.593  | 47.772 | .20559 | .30818 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06788 | .00904 | .66986 | -.01943 | .00129 | 194.83 | 1.8183 |
| #2 | .06368 | .00400 | .66490 | -.02621 | .00183 | 195.51 | 1.8291 |
| #3 | .06705 | .00738 | .67170 | -.02534 | .00325 | 195.54 | 1.8213 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02108 | .00851 | 33.720 | .21336 | .19708 | .41621 | 326.58 |
| Stddev | .00025 | .00037 | .126   | .00124 | .00062 | .00142 | 1.16   |
| %RSD   | 1.1897 | 4.3471 | .37282 | .57980 | .31664 | .34220 | .35540 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02080 | .00865 | 33.654 | .21287 | .19653 | .41513 | 326.75 |
| #2 | .02129 | .00809 | 33.642 | .21245 | .19696 | .41569 | 327.64 |
| #3 | .02115 | .00879 | 33.865 | .21477 | .19776 | .41783 | 325.34 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 16.368 | 84.167 | .39007 | -.04581 | 13.102 | .29487 | 5.2535 |
| Stddev | .049   | .213   | .00087 | .00022  | .050   | .00384 | .0073  |
| %RSD   | .29920 | .25327 | .22257 | .47389  | .38266 | 1.3018 | .13819 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 16.346 | 84.101 | .38967 | -.04570 | 13.060 | .29295 | 5.2618 |
| #2 | 16.424 | 84.406 | .38947 | -.04606 | 13.157 | .29929 | 5.2492 |
| #3 | 16.335 | 83.996 | .39106 | -.04567 | 13.088 | .29237 | 5.2493 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.800 | -.00256 | .24563 | 7.5908 | 5.5969 | .05081 | .74519 |
| Stddev | .035   | .00040  | .00912 | .0134  | .0374  | .00181 | .01290 |
| %RSD   | .23804 | 15.761  | 3.7118 | .17628 | .66735 | 3.5677 | 1.7315 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 14.773 | -.00210 | .25126 | 7.5930 | 5.5669 | .05218 | .74528 |
| #2 | 14.788 | -.00284 | .23511 | 7.5765 | 5.6387 | .04875 | .75805 |
| #3 | 14.840 | -.00275 | .25051 | 7.6030 | 5.5851 | .05150 | .73224 |

Sample Name: K2762-01DUP      Acquired: 5/10/2019 20:20:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .43495 | F 10.49 | -.17524 | <.00000 | F<.00000 |
| Stddev | .00276 | .02     | .00196  | .09788  | 3.2344   |
| %RSD   | .63503 | .2263   | 1.1197  | 7.1654  | .57089   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .43713 | 10.46 | -.17536 | -1.4461 | -568.63 |
| #2 | .43184 | 10.50 | -.17714 | -1.3950 | -568.20 |
| #3 | .43588 | 10.50 | -.17322 | -1.2569 | -562.82 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4721.6 | 56264. | 6086.7 | 70.566 | 4099.7 |
| Stddev    | 2.1    | 97.    | 20.9   | .879   | 6.3    |
| %RSD      | .04419 | .17157 | .34283 | 1.2458 | .15380 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4720.2 | 56283. | 6078.6 | 70.603 | 4103.1 |
| #2 | 4720.7 | 56159. | 6110.4 | 71.426 | 4092.4 |
| #3 | 4724.0 | 56349. | 6071.1 | 69.669 | 4103.6 |

Sample Name: K2762-01LX5      Acquired: 5/10/2019 20:25:24      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119635BL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01901 | .00226 | .12877 | .00455 | .00184 | 42.020 | .39065 |
| Stddev | .00359 | .00052 | .00139 | .00188 | .00028 | .055   | .00088 |
| %RSD   | 18.886 | 22.928 | 1.0790 | 41.317 | 14.950 | .13200 | .22556 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02035 | .00235 | .12726 | .00411 | .00201 | 41.956 | .39167 |
| #2 | .01495 | .00273 | .12904 | .00293 | .00199 | 42.057 | .39007 |
| #3 | .02175 | .00170 | .13000 | .00661 | .00152 | 42.047 | .39023 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00393 | -.00230 | 7.7907 | .04710 | .03847 | .09509 | 94.436 |
| Stddev | .00004 | .00004  | .0091  | .00068 | .00017 | .00044 | .299   |
| %RSD   | 1.1433 | 1.8068  | .11642 | 1.4360 | .43547 | .46375 | .31639 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00389 | -.00226 | 7.7831 | .04756 | .03833 | .09504 | 94.169 |
| #2 | .00393 | -.00234 | 7.7884 | .04633 | .03866 | .09555 | 94.380 |
| #3 | .00398 | -.00228 | 7.8007 | .04742 | .03843 | .09468 | 94.759 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.0637 | 18.665 | .07416 | -.00756 | 2.7611 | .06676 | .99943 |
| Stddev | .0079  | .133   | .00013 | .00017  | .0169  | .00070 | .00236 |
| %RSD   | .19377 | .71132 | .17007 | 2.1941  | .61086 | 1.0481 | .23571 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.0616 | 18.788 | .07428 | -.00744 | 2.7777 | .06673 | .99802 |
| #2 | 4.0570 | 18.683 | .07403 | -.00775 | 2.7616 | .06608 | .99812 |
| #3 | 4.0724 | 18.524 | .07417 | -.00749 | 2.7440 | .06748 | 1.0021 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1061 | -.00064 | .09748 | 1.4707 | 1.4835 | .00886 | .17307 |
| Stddev | .0270  | .00013  | .00198 | .0080  | .0307  | .00060 | .00281 |
| %RSD   | .86929 | 20.087  | 2.0268 | .54435 | 2.0663 | 6.8058 | 1.6223 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 3.1278 | -.00066 | .09878 | 1.4674 | 1.4570 | .00823 | .17137 |
| #2 | 3.0758 | -.00051 | .09846 | 1.4649 | 1.5171 | .00891 | .17631 |
| #3 | 3.1145 | -.00077 | .09521 | 1.4798 | 1.4764 | .00943 | .17153 |

Sample Name: K2762-01LX5      Acquired: 5/10/2019 20:25:24      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119635BL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .09595 | 2.005  | -.06136 | 2.4015 | F<.00000 |
| Stddev | .00215 | .009   | .00028  | .2007  | 2.0211   |
| %RSD   | 2.2393 | .4535  | .44847  | 8.3590 | 2.2939   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .09490 | 1.996 | -.06133 | 2.5352 | -85.806 |
| #2 | .09842 | 2.004 | -.06111 | 2.1707 | -88.938 |
| #3 | .09452 | 2.014 | -.06165 | 2.4987 | -89.584 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4352.2 | 51774. | 5282.1 | 72.497 | 4551.7 |
| Stddev    | 20.3   | 30.    | 17.5   | .909   | 9.8    |
| %RSD      | .46688 | .05766 | .33156 | 1.2536 | .21437 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4338.4 | 51774. | 5301.0 | 71.452 | 4547.3 |
| #2 | 4342.6 | 51804. | 5278.6 | 72.935 | 4545.0 |
| #3 | 4375.5 | 51744. | 5266.5 | 73.104 | 4562.9 |

Sample Name: K2762-02      Acquired: 5/10/2019 20:29:52      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: K2762-01MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .72666 | 1.8945 | 1.5500 | 1.6448 | .13589 | 195.67 | 2.0182 |
| Stddev | .00064 | .0013  | .0047  | .0057  | .00223 | .15    | .0003  |
| %RSD   | .08815 | .06929 | .30627 | .34801 | 1.6424 | .07681 | .01540 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72732 | 1.8930 | 1.5461 | 1.6437 | .13789 | 195.51 | 2.0180 |
| #2 | .72605 | 1.8950 | 1.5553 | 1.6397 | .13629 | 195.81 | 2.0186 |
| #3 | .72662 | 1.8955 | 1.5487 | 1.6510 | .13348 | 195.67 | 2.0181 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19136 | .19909 | 135.56 | .53966 | .38957 | .60385 | 313.29 |
| Stddev | .00113 | .00078 | 1.46   | .00082 | .00053 | .00121 | .47    |
| %RSD   | .58964 | .39292 | 1.0785 | .15135 | .13681 | .20110 | .15014 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19154 | .19853 | 136.61 | .54051 | .39007 | .60317 | 313.10 |
| #2 | .19239 | .19998 | 136.18 | .53888 | .38901 | .60313 | 312.94 |
| #3 | .19015 | .19875 | 133.89 | .53959 | .38963 | .60526 | 313.82 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.590 | 133.63 | .86045 | .01938 | 15.212 | .52844 | 5.1744 |
| Stddev | .041   | .43    | .00086 | .00027 | .034   | .00134 | .0101  |
| %RSD   | .23023 | .32357 | .10007 | 1.3975 | .22432 | .25324 | .19584 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.564 | 133.14 | .85951 | .01934 | 15.224 | .52750 | 5.1775 |
| #2 | 17.637 | 133.82 | .86067 | .01966 | 15.238 | .52997 | 5.1827 |
| #3 | 17.569 | 133.94 | .86119 | .01913 | 15.173 | .52786 | 5.1631 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.675 | .31251 | .43169 | 6.9460 | 5.9216 | .66184 | .86060 |
| Stddev | .056   | .00130 | .01307 | .0150  | .1083  | .00094 | .01055 |
| %RSD   | .25991 | .41465 | 3.0266 | .21606 | 1.8296 | .14179 | 1.2263 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.733 | .31188 | .43204 | 6.9341 | 6.0454 | .66079 | .86904 |
| #2 | 21.620 | .31165 | .41845 | 6.9409 | 5.8753 | .66210 | .86398 |
| #3 | 21.672 | .31400 | .44458 | 6.9629 | 5.8442 | .66261 | .84877 |

Sample Name: K2762-02      Acquired: 5/10/2019 20:29:52      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: K2762-01MS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .58668 | F 15.40 | .07818 | .38519 | F<.00000 |
| Stddev | .00880 | .02     | .00523 | .07875 | 7.6524   |
| %RSD   | 1.4997 | .1057   | 6.6864 | 20.444 | 1.4653   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .59313 | 15.41 | .08169 | .32804 | -513.72 |
| #2 | .59026 | 15.42 | .08066 | .35251 | -528.55 |
| #3 | .57666 | 15.39 | .07217 | .47501 | -524.40 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4527.2 | 54373. | 5960.1 | 69.514 | 3964.0 |
| Stddev    | 8.4    | 58.    | 72.3   | .592   | 8.3    |
| %RSD      | .18577 | .10681 | 1.2123 | .85136 | .20913 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4521.8 | 54318. | 5894.6 | 69.032 | 3961.6 |
| #2 | 4522.9 | 54433. | 5948.0 | 69.336 | 3957.2 |
| #3 | 4536.9 | 54366. | 6037.6 | 70.175 | 3973.3 |

Sample Name: K2762-03      Acquired: 5/10/2019 20:34:20      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: K2762-01MSD      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .71287 | 1.8875 | 1.5317 | 1.6193 | .13186 | 193.68 | 1.9919 |
| Stddev | .00079 | .0066  | .0022  | .0099  | .00027 | .63    | .0064  |
| %RSD   | .11020 | .34715 | .14633 | .60983 | .20242 | .32283 | .31946 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .71373 | 1.8883 | 1.5295 | 1.6139 | .13191 | 193.00 | 1.9856 |
| #2 | .71219 | 1.8937 | 1.5340 | 1.6307 | .13157 | 193.79 | 1.9918 |
| #3 | .71270 | 1.8806 | 1.5316 | 1.6133 | .13210 | 194.23 | 1.9983 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18954 | .19686 | 126.20 | .53836 | .38590 | .60171 | 313.44 |
| Stddev | .00062 | .00031 | 1.16   | .00093 | .00130 | .00157 | 2.08   |
| %RSD   | .32586 | .15750 | .91791 | .17334 | .33747 | .26031 | .66346 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19023 | .19653 | 126.43 | .53922 | .38581 | .60038 | 315.74 |
| #2 | .18904 | .19715 | 127.23 | .53737 | .38724 | .60132 | 312.90 |
| #3 | .18935 | .19689 | 124.94 | .53850 | .38464 | .60344 | 311.68 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.504 | 128.89 | .85602 | .01872 | 15.046 | .52222 | 5.1877 |
| Stddev | .119   | .35    | .00291 | .00027 | .014   | .00182 | .0093  |
| %RSD   | .68062 | .27310 | .34031 | 1.4422 | .09302 | .34866 | .17916 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.640 | 128.50 | .85276 | .01882 | 15.039 | .52213 | 5.1916 |
| #2 | 17.416 | 129.00 | .85837 | .01841 | 15.038 | .52409 | 5.1945 |
| #3 | 17.457 | 129.18 | .85693 | .01892 | 15.063 | .52045 | 5.1771 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.572 | .31127 | .42749 | 6.7583 | 5.3544 | .65789 | .83345 |
| Stddev | .035   | .00056 | .01250 | .0197  | .0597  | .00126 | .00623 |
| %RSD   | .16135 | .17949 | 2.9249 | .29139 | 1.1149 | .19166 | .74799 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.568 | .31072 | .44192 | 6.7413 | 5.3706 | .65900 | .82749 |
| #2 | 21.539 | .31126 | .42002 | 6.7799 | 5.4044 | .65814 | .83293 |
| #3 | 21.608 | .31183 | .42052 | 6.7536 | 5.2883 | .65652 | .83993 |

Sample Name: K2762-03      Acquired: 5/10/2019 20:34:20      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: K2762-01MSD      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |          |
|--------|--------|---------|--------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | .58902 | F 15.26 | .06782 | <.00000 | F<.00000 |
| Stddev | .00182 | .02     | .00327 | .23806  | .98252   |
| %RSD   | .30850 | .0987   | 4.8165 | 136.26  | .18998   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .59112 | 15.25 | .06536 | -.16257 | -518.18 |
| #2 | .58786 | 15.27 | .07153 | .05704  | -517.13 |
| #3 | .58809 | 15.28 | .06658 | -.41861 | -516.22 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4559.4 | 54395. | 5939.8 | 69.911 | 3987.5 |
| Stddev    | 11.5   | 220.   | 74.3   | 1.650  | 11.4   |
| %RSD      | .25163 | .40428 | 1.2501 | 2.3597 | .28667 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4546.1 | 54167. | 5891.2 | 70.818 | 3975.1 |
| #2 | 4565.4 | 54413. | 5902.9 | 70.907 | 3989.6 |
| #3 | 4566.5 | 54606. | 6025.3 | 68.007 | 3997.6 |

Sample Name: K2762-01A      Acquired: 5/10/2019 20:38:48      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119633BL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .70713 | 1.8626 | 1.5314 | 1.6002 | .13196 | 193.92 | 1.9852 |
| Stddev | .00483 | .0034  | .0038  | .0074  | .00154 | .49    | .0042  |
| %RSD   | .68280 | .17960 | .24963 | .46368 | 1.1644 | .25113 | .21299 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70241 | 1.8611 | 1.5332 | 1.5988 | .13050 | 193.59 | 1.9820 |
| #2 | .71206 | 1.8664 | 1.5340 | 1.5936 | .13182 | 194.48 | 1.9900 |
| #3 | .70692 | 1.8602 | 1.5270 | 1.6083 | .13356 | 193.70 | 1.9836 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18712 | .19533 | 106.71 | .53699 | .38470 | .60432 | 313.31 |
| Stddev | .00027 | .00030 | .24    | .00161 | .00107 | .00166 | .70    |
| %RSD   | .14178 | .15482 | .22046 | .29934 | .27687 | .27429 | .22337 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18697 | .19554 | 106.93 | .53640 | .38390 | .60242 | 312.59 |
| #2 | .18696 | .19548 | 106.72 | .53576 | .38591 | .60547 | 313.34 |
| #3 | .18742 | .19499 | 106.46 | .53881 | .38429 | .60507 | 313.99 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.563 | 119.31 | .85364 | .01819 | 15.057 | .51942 | 5.3433 |
| Stddev | .056   | .10    | .00100 | .00072 | .054   | .00164 | .0049  |
| %RSD   | .31792 | .08727 | .11756 | 3.9498 | .36164 | .31480 | .09212 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.499 | 119.21 | .85256 | .01739 | 15.036 | .51793 | 5.3465 |
| #2 | 17.589 | 119.42 | .85381 | .01841 | 15.119 | .52117 | 5.3457 |
| #3 | 17.602 | 119.30 | .85455 | .01877 | 15.016 | .51918 | 5.3376 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 21.794 | .30962 | .43721 | 6.4830 | 5.5358 | .65570 | .82520 |
| Stddev | .091   | .00110 | .02313 | .0073  | .0187  | .00230 | .00324 |
| %RSD   | .41716 | .35422 | 5.2895 | .11245 | .33710 | .35010 | .39278 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 21.860 | .30850 | .41247 | 6.4803 | 5.5530 | .65422 | .82817 |
| #2 | 21.831 | .30966 | .44086 | 6.4774 | 5.5386 | .65835 | .82569 |
| #3 | 21.690 | .31069 | .45829 | 6.4913 | 5.5159 | .65454 | .82174 |

Sample Name: K2762-01A      Acquired: 5/10/2019 20:38:48      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119633BL      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .59111 | F 15.22 | .05333 | <.00000 | F<.00000 |
| Stddev    | .00071 | .02     | .00259 | .21898  | 3.4051   |
| %RSD      | .11981 | .1609   | 4.8633 | 56.274  | .67610   |
| #1        | .59031 | 15.24   | .05606 | -.61641 | -500.29  |
| #2        | .59163 | 15.22   | .05303 | -.17950 | -507.09  |
| #3        | .59140 | 15.19   | .05090 | -.37151 | -503.53  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4574.5 | 54342.  | 5919.1 | 69.551  | 4006.8   |
| Stddev    | 4.4    | 27.     | 25.1   | 1.528   | 5.6      |
| %RSD      | .09664 | .05026  | .42358 | 2.1973  | .14040   |
| #1        | 4575.9 | 54342.  | 5890.6 | 69.544  | 4000.9   |
| #2        | 4578.1 | 54315.  | 5937.8 | 71.082  | 4007.5   |
| #3        | 4569.6 | 54370.  | 5928.9 | 68.026  | 4012.1   |

Sample Name: K2762-04      Acquired: 5/10/2019 20:43:16      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05892 | .00458 | .57178 | -.01920 | .00381 | 188.12 | 1.6944 |
| Stddev | .00079 | .00105 | .00170 | .00358  | .00376 | .88    | .0059  |
| %RSD   | 1.3404 | 22.823 | .29654 | 18.644  | 98.751 | .46817 | .34595 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .05975 | .00578 | .57050 | -.01712 | .00436  | 187.12 | 1.6878 |
| #2 | .05817 | .00416 | .57370 | -.02333 | -.00020 | 188.47 | 1.6965 |
| #3 | .05885 | .00381 | .57112 | -.01714 | .00727  | 188.78 | 1.6989 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01991 | .00546 | 29.603 | .19847 | .18088 | .38742 | 315.87 |
| Stddev | .00007 | .00025 | .088   | .00054 | .00086 | .00213 | 1.14   |
| %RSD   | .33340 | 4.5497 | .29713 | .27077 | .47815 | .55068 | .36129 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01983 | .00548 | 29.603 | .19786 | .18188 | .38960 | 315.85 |
| #2 | .01996 | .00521 | 29.514 | .19873 | .18048 | .38733 | 317.03 |
| #3 | .01993 | .00571 | 29.690 | .19884 | .18030 | .38533 | 314.75 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 15.684 | 83.504 | .37057 | -.04393 | 11.221 | .28263 | 4.2158 |
| Stddev | .067   | .408   | .00239 | .00012  | .043   | .00152 | .0041  |
| %RSD   | .42625 | .48898 | .64374 | .27765  | .38137 | .53819 | .09768 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 15.608 | 83.048 | .37225 | -.04394 | 11.172 | .28181 | 4.2195 |
| #2 | 15.734 | 83.627 | .37162 | -.04380 | 11.240 | .28171 | 4.2114 |
| #3 | 15.711 | 83.836 | .36784 | -.04405 | 11.251 | .28439 | 4.2166 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.360 | -.00322 | .24351 | 5.7129 | 4.5342 | .02371 | .74650 |
| Stddev | .091   | .00005  | .01036 | .0337  | .0334  | .00130 | .00937 |
| %RSD   | .63071 | 1.4593  | 4.2534 | .58912 | .73641 | 5.4936 | 1.2553 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 14.264 | -.00317 | .25540 | 5.7495 | 4.5590 | .02223 | .75616 |
| #2 | 14.444 | -.00325 | .23865 | 5.7059 | 4.4963 | .02468 | .73745 |
| #3 | 14.372 | -.00325 | .23648 | 5.6832 | 4.5473 | .02423 | .74588 |

Sample Name: K2762-04      Acquired: 5/10/2019 20:43:16      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .41567 | 9.904  | -.17280 | <.00000 | F<.00000 |
| Stddev | .00132 | .047   | .00136  | .14576  | 3.5732   |
| %RSD   | .31707 | .4691  | .78571  | 11.653  | .68162   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .41514 | 9.955 | -.17335 | -1.2111 | -524.49 |
| #2 | .41470 | 9.889 | -.17379 | -1.4124 | -520.52 |
| #3 | .41717 | 9.866 | -.17125 | -1.1291 | -527.65 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4726.8 | 56086. | 6039.3 | 69.656 | 4136.8 |
| Stddev    | 4.6    | 75.    | 20.7   | .784   | 7.7    |
| %RSD      | .09735 | .13337 | .34218 | 1.1260 | .18503 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4721.6 | 56083. | 6018.8 | 70.221 | 4134.0 |
| #2 | 4728.1 | 56013. | 6060.1 | 68.761 | 4145.4 |
| #3 | 4730.6 | 56162. | 6038.9 | 69.988 | 4130.8 |

Sample Name: K2762-05      Acquired: 5/10/2019 20:47:50      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07325 | .00746 | .87856 | -.02624 | .00197 | 213.48 | 1.9640 |
| Stddev | .00408 | .00137 | .00036 | .00229  | .00182 | .52    | .0049  |
| %RSD   | 5.5725 | 18.414 | .04154 | 8.7243  | 92.248 | .24437 | .25066 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .07636 | .00600 | .87833 | -.02401 | .00118 | 214.04 | 1.9695 |
| #2 | .07476 | .00872 | .87837 | -.02614 | .00068 | 213.40 | 1.9623 |
| #3 | .06863 | .00768 | .87898 | -.02858 | .00405 | 213.00 | 1.9601 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02279 | .00548 | 20.820 | .21965 | .21819 | .44860 | 343.26 |
| Stddev | .00048 | .00001 | .129   | .00038 | .00068 | .00088 | 1.33   |
| %RSD   | 2.1230 | .14074 | .61898 | .17506 | .31138 | .19554 | .38727 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02332 | .00549 | 20.816 | .21921 | .21811 | .44940 | 341.79 |
| #2 | .02237 | .00547 | 20.694 | .21993 | .21756 | .44766 | 343.62 |
| #3 | .02268 | .00548 | 20.951 | .21982 | .21891 | .44873 | 344.38 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 17.245 | 88.738 | .41414 | -.04957 | 9.2896 | .28729 | 3.6920 |
| Stddev | .021   | .189   | .00055 | .00063  | .0185  | .00116 | .0025  |
| %RSD   | .12217 | .21322 | .13302 | 1.2722  | .19916 | .40494 | .06656 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 17.220 | 88.593 | .41449 | -.05027 | 9.3106 | .28667 | 3.6914 |
| #2 | 17.258 | 88.952 | .41443 | -.04937 | 9.2822 | .28863 | 3.6898 |
| #3 | 17.256 | 88.669 | .41350 | -.04906 | 9.2759 | .28656 | 3.6946 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.655 | -.00283 | .24914 | 3.6052 | 5.0678 | .02195 | .62647 |
| Stddev | .078   | .00013  | .00591 | .0095  | .1372  | .00096 | .01124 |
| %RSD   | .57184 | 4.7044  | 2.3732 | .26361 | 2.7079 | 4.3730 | 1.7942 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 13.743 | -.00269 | .25026 | 3.6157 | 5.1574 | .02240 | .63918 |
| #2 | 13.593 | -.00295 | .24275 | 3.6027 | 4.9098 | .02259 | .62240 |
| #3 | 13.629 | -.00284 | .25441 | 3.5971 | 5.1363 | .02084 | .61784 |

Sample Name: K2762-05      Acquired: 5/10/2019 20:47:50      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .45345 | 8.586  | -.24590 | <.00000 | F<.00000 |
| Stddev | .00060 | .016   | .00111  | .15781  | .63376   |
| %RSD   | .13251 | .1877  | .44943  | 12.724  | .10446   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .45276 | 8.604 | -.24465 | -1.2809 | -606.21 |
| #2 | .45389 | 8.582 | -.24632 | -1.0662 | -607.40 |
| #3 | .45369 | 8.573 | -.24673 | -1.3738 | -606.43 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4753.6 | 56514. | 6080.0 | 71.580 | 4122.4 |
| Stddev    | 9.4    | 172.   | 25.0   | .691   | 5.6    |
| %RSD      | .19805 | .30374 | .41053 | .96504 | .13503 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4753.2 | 56365. | 6082.0 | 71.149 | 4116.1 |
| #2 | 4763.2 | 56474. | 6103.9 | 72.377 | 4126.7 |
| #3 | 4744.4 | 56702. | 6054.1 | 71.214 | 4124.5 |

Sample Name: K2762-06      Acquired: 5/10/2019 20:52:24      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08294 | .00775 | 1.1965 | -.03522 | .00188 | 235.09 | 2.3268 |
| Stddev | .00353 | .00143 | .0037  | .00135  | .00238 | .94    | .0089  |
| %RSD   | 4.2559 | 18.425 | .31326 | 3.8319  | 126.41 | .39815 | .38272 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .07890 | .00671 | 1.1926 | -.03467 | .00319  | 236.09 | 2.3359 |
| #2 | .08448 | .00716 | 1.1970 | -.03423 | .00333  | 234.93 | 2.3264 |
| #3 | .08543 | .00938 | 1.2001 | -.03676 | -.00086 | 234.24 | 2.3181 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02547 | .00989 | 20.161 | .23877 | .24867 | .53588 | 364.64 |
| Stddev | .00032 | .00054 | .081   | .00102 | .00109 | .00180 | 2.29   |
| %RSD   | 1.2725 | 5.4657 | .40253 | .42707 | .43734 | .33546 | .62674 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02537 | .00965 | 20.252 | .23935 | .24752 | .53416 | 364.65 |
| #2 | .02521 | .00951 | 20.132 | .23937 | .24881 | .53573 | 366.91 |
| #3 | .02584 | .01051 | 20.097 | .23759 | .24968 | .53775 | 362.34 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 20.461 | 94.658 | .47540 | -.05429 | 8.8259 | .27639 | 4.4301 |
| Stddev | .052   | .485   | .00164 | .00043  | .0389  | .00193 | .0017  |
| %RSD   | .25395 | .51280 | .34414 | .79931  | .44022 | .69916 | .03865 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 20.513 | 95.117 | .47365 | -.05479 | 8.8688 | .27463 | 4.4282 |
| #2 | 20.462 | 94.150 | .47564 | -.05402 | 8.8158 | .27846 | 4.4313 |
| #3 | 20.409 | 94.709 | .47690 | -.05406 | 8.7930 | .27609 | 4.4309 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.788 | -.00374 | .24586 | 3.1696 | 6.2498 | .02602 | .58413 |
| Stddev | .091   | .00019  | .00728 | .0285  | .0554  | .00106 | .00941 |
| %RSD   | .61395 | 5.0926  | 2.9611 | .90077 | .88566 | 4.0780 | 1.6107 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 14.846 | -.00353 | .24447 | 3.1399 | 6.3093 | .02493 | .59480 |
| #2 | 14.834 | -.00377 | .25373 | 3.1969 | 6.1999 | .02608 | .58057 |
| #3 | 14.683 | -.00391 | .23937 | 3.1720 | 6.2403 | .02705 | .57703 |

Sample Name: K2762-06      Acquired: 5/10/2019 20:52:24      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .52829 | 8.528  | -.25056 | <.00000 | F<.00000 |
| Stddev    | .00198 | .042   | .00273  | .05152  | 5.4529   |
| %RSD      | .37563 | .4937  | 1.0891  | 2.1520  | .76660   |
| #1        | .52973 | 8.483  | -.25040 | -2.4536 | -705.56  |
| #2        | .52913 | 8.534  | -.25337 | -2.3622 | -716.40  |
| #3        | .52603 | 8.567  | -.24792 | -2.3668 | -711.96  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4819.5 | 57238. | 6259.9  | 71.214  | 4067.5   |
| Stddev    | 3.2    | 204.   | 31.6    | .192    | 5.5      |
| %RSD      | .06588 | .35684 | .50553  | .26992  | .13523   |
| #1        | 4820.9 | 57034. | 6236.4  | 71.414  | 4071.3   |
| #2        | 4815.8 | 57239. | 6247.5  | 71.197  | 4061.2   |
| #3        | 4821.7 | 57442. | 6295.9  | 71.031  | 4070.0   |

Sample Name: K2762-07      Acquired: 5/10/2019 20:56:58      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07532 | .00808 | .99553 | -.02571 | .00220 | 222.65 | 2.1159 |
| Stddev | .00109 | .00104 | .00288 | .00398  | .00194 | 1.72   | .0139  |
| %RSD   | 1.4431 | 12.894 | .28971 | 15.487  | 87.929 | .77312 | .65514 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .07418 | .00892 | .99885 | -.02881 | .00441 | 220.76 | 2.1000 |
| #2 | .07544 | .00691 | .99367 | -.02711 | .00143 | 223.07 | 2.1224 |
| #3 | .07634 | .00840 | .99405 | -.02122 | .00077 | 224.12 | 2.1254 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02252 | .02157 | 22.198 | .25102 | .23031 | .41975 | 335.30 |
| Stddev | .00021 | .00037 | .215   | .00161 | .00013 | .00147 | 1.95   |
| %RSD   | .93311 | 1.7128 | .97044 | .64122 | .05786 | .35102 | .58204 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02276 | .02178 | 21.954 | .25113 | .23016 | .41917 | 333.55 |
| #2 | .02239 | .02179 | 22.279 | .24935 | .23042 | .42142 | 334.94 |
| #3 | .02241 | .02114 | 22.362 | .25256 | .23035 | .41864 | 337.40 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 18.604 | 87.524 | .45671 | -.04744 | 8.1130 | .30753 | 9.7593 |
| Stddev | .200   | .740   | .00052 | .00049  | .0357  | .00311 | .0259  |
| %RSD   | 1.0776 | .84518 | .11482 | 1.0239  | .43976 | 1.0115 | .26535 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 18.536 | 86.813 | .45611 | -.04769 | 8.0721 | .30751 | 9.7836 |
| #2 | 18.446 | 87.470 | .45700 | -.04776 | 8.1375 | .31065 | 9.7621 |
| #3 | 18.829 | 88.289 | .45704 | -.04688 | 8.1294 | .30443 | 9.7320 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.903 | -.00266 | .23652 | 4.0874 | 5.4024 | .02444 | .50312 |
| Stddev | .044   | .00027  | .00265 | .0120  | .0581  | .00082 | .00690 |
| %RSD   | .31401 | 10.193  | 1.1217 | .29248 | 1.0758 | 3.3649 | 1.3717 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 13.871 | -.00236 | .23923 | 4.0941 | 5.4681 | .02499 | .50634 |
| #2 | 13.885 | -.00288 | .23642 | 4.0945 | 5.3816 | .02349 | .50782 |
| #3 | 13.953 | -.00274 | .23392 | 4.0736 | 5.3576 | .02483 | .49519 |

Sample Name: K2762-07      Acquired: 5/10/2019 20:56:58      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .47522 | F 10.12 | -.20691 | <.00000 | F<.00000 |
| Stddev | .00821 | .02     | .00138  | .04631  | 8.2530   |
| %RSD   | 1.7266 | .2072   | .66496  | 2.2447  | 1.2921   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .46575 | 10.12 | -.20706 | -2.1045 | -638.17 |
| #2 | .47960 | 10.14 | -.20547 | -2.0715 | -647.22 |
| #3 | .48031 | 10.10 | -.20821 | -2.0130 | -630.74 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4914.5 | 58532. | 6414.4 | 73.364 | 4091.1 |
| Stddev    | 8.9    | 211.   | 42.4   | .455   | 8.1    |
| %RSD      | .18154 | .36010 | .66032 | .62003 | .19835 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4909.0 | 58690. | 6458.2 | 73.452 | 4084.4 |
| #2 | 4909.6 | 58614. | 6411.2 | 72.871 | 4088.8 |
| #3 | 4924.8 | 58293. | 6373.7 | 73.768 | 4100.1 |

Sample Name: K2762-08      Acquired: 5/10/2019 21:01:32      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS001-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07679 | .00781 | 1.1771 | -.02009 | .00200 | 228.05 | 2.3188 |
| Stddev | .00069 | .00217 | .0036  | .00274  | .00184 | .53    | .0106  |
| %RSD   | .89649 | 27.763 | .30859 | 13.630  | 91.848 | .23254 | .45646 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .07718 | .01030 | 1.1731 | -.01756 | -.00012 | 227.43 | 2.3089 |
| #2 | .07721 | .00675 | 1.1803 | -.02300 | .00308  | 228.38 | 2.3177 |
| #3 | .07600 | .00638 | 1.1777 | -.01972 | .00305  | 228.32 | 2.3299 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02320 | .03099 | 19.428 | .29695 | .23151 | .43341 | 344.79 |
| Stddev | .00020 | .00037 | .117   | .00067 | .00060 | .00036 | 1.68   |
| %RSD   | .85016 | 1.1922 | .60195 | .22559 | .25964 | .08220 | .48851 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02340 | .03084 | 19.409 | .29772 | .23082 | .43374 | 343.79 |
| #2 | .02300 | .03073 | 19.322 | .29650 | .23177 | .43345 | 346.73 |
| #3 | .02320 | .03141 | 19.554 | .29663 | .23194 | .43303 | 343.84 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 23.719 | 82.266 | .45687 | -.04815 | 9.8442 | .21739 | 16.606 |
| Stddev | .015   | .391   | .00070 | .00019  | .0174  | .00163 | .013   |
| %RSD   | .06501 | .47519 | .15381 | .39402  | .17673 | .75126 | .07969 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 23.734 | 81.846 | .45639 | -.04813 | 9.8264 | .21928 | 16.614 |
| #2 | 23.719 | 82.619 | .45654 | -.04797 | 9.8611 | .21644 | 16.614 |
| #3 | 23.704 | 82.333 | .45767 | -.04835 | 9.8451 | .21645 | 16.591 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.071 | -.00356 | .24432 | 3.3267 | 5.4620 | .02455 | .45355 |
| Stddev | .026   | .00026  | .01186 | .0232  | .0991  | .00092 | .00510 |
| %RSD   | .19782 | 7.4390  | 4.8561 | .69839 | 1.8146 | 3.7568 | 1.1240 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 13.073 | -.00357 | .23965 | 3.3108 | 5.5270 | .02466 | .45713 |
| #2 | 13.045 | -.00329 | .25780 | 3.3158 | 5.3479 | .02541 | .45582 |
| #3 | 13.096 | -.00382 | .23549 | 3.3533 | 5.5112 | .02357 | .44772 |

Sample Name: K2762-08      Acquired: 5/10/2019 21:01:32      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS001-1      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .46826 | F 10.46 | -.23866 | <.00000 | F<.00000 |
| Stddev    | .00138 | .03     | .00148  | .23913  | 4.2306   |
| %RSD      | .29374 | .2840   | .62070  | 14.953  | .68852   |
| #1        | .46719 | 10.43   | -.23773 | -1.3589 | -616.07  |
| #2        | .46981 | 10.47   | -.24037 | -1.8372 | -609.64  |
| #3        | .46780 | 10.49   | -.23789 | -1.6016 | -617.62  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4802.7 | 56804.  | 6159.8  | 70.868  | 4102.4   |
| Stddev    | 5.5    | 74.     | 42.0    | .566    | 2.9      |
| %RSD      | .11478 | .12981  | .68159  | .79880  | .07034   |
| #1        | 4796.4 | 56720.  | 6122.6  | 70.825  | 4100.9   |
| #2        | 4805.2 | 56833.  | 6205.3  | 71.455  | 4105.7   |
| #3        | 4806.6 | 56859.  | 6151.5  | 70.325  | 4100.5   |

Sample Name: CCV09      Acquired: 5/10/2019 21:06:06      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14943      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9335 | 5.0413 | 4.8301 | 5.0174 | 4.8791 | 9.7801 | 9.6146 | .25108   |
| Stddev | .0202  | .0105  | .0118  | .0095  | .0154  | .0958  | .0509  | .00143   |
| %RSD   | .40940 | .20765 | .24459 | .18907 | .31609 | .97901 | .52962 | .57138   |
| #1     | 4.9527 | 5.0500 | 4.8437 | 5.0216 | 4.8906 | 9.6885 | 9.6695 | .25015   |
| #2     | 4.9356 | 5.0442 | 4.8220 | 5.0241 | 4.8852 | 9.7722 | 9.5689 | .25035   |
| #3     | 4.9124 | 5.0297 | 4.8248 | 5.0066 | 4.8616 | 9.8795 | 9.6053 | .25273   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4603 | 26.287 | 1.0287 | 2.4912 | 1.2317 | 5.1919 | 2.5446 | 25.034   |
| Stddev | .0009  | .137   | .0043  | .0019  | .0022  | .0181  | .0116  | .416     |
| %RSD   | .03815 | .52073 | .42151 | .07697 | .18117 | .34805 | .45497 | 1.6600   |
| #1     | 2.4612 | 26.131 | 1.0272 | 2.4929 | 1.2334 | 5.1833 | 2.5359 | 24.626   |
| #2     | 2.4594 | 26.341 | 1.0253 | 2.4892 | 1.2326 | 5.1797 | 2.5403 | 25.018   |
| #3     | 2.4604 | 26.389 | 1.0335 | 2.4916 | 1.2292 | 5.2126 | 2.5578 | 25.457   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4908 | 1.2688 | 24.753 | 2.5887 | 2.4088 | 25.086 | 5.1021 | 4.9715   |
| Stddev | .0030  | .0061  | .200   | .0110  | .0026  | .158   | .0114  | .0367    |
| %RSD   | .12081 | .48200 | .80825 | .42603 | .10872 | .62893 | .22281 | .73865   |
| #1     | 2.4934 | 1.2662 | 24.620 | 2.5809 | 2.4118 | 24.947 | 5.1124 | 4.9316   |
| #2     | 2.4915 | 1.2644 | 24.656 | 2.5839 | 2.4074 | 25.054 | 5.1041 | 4.9793   |
| #3     | 2.4875 | 1.2757 | 24.983 | 2.6014 | 2.4071 | 25.257 | 5.0899 | 5.0038   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1565 | 5.2291 | 4.9789 | 5.0771 | 4.9651 | 5.133  | 5.0686 | F 4.2221 |
| Stddev | .0111  | .0338  | .0070  | .0138  | .0314  | .014   | .0281  | .0999    |
| %RSD   | .21588 | .64672 | .13985 | .27257 | .63220 | .2712  | .55417 | 2.3666   |
| #1     | 5.1637 | 5.2599 | 4.9775 | 5.0624 | 4.9921 | 5.144  | 5.0911 | 4.1291   |
| #2     | 5.1621 | 5.2346 | 4.9727 | 5.0789 | 4.9726 | 5.139  | 5.0776 | 4.2093   |
| #3     | 5.1437 | 5.1929 | 4.9865 | 5.0899 | 4.9307 | 5.117  | 5.0371 | 4.3277   |

Sample Name: CCV09      Acquired: 5/10/2019 21:06:06      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14943      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 5.1293 |
| Stddev | 3.4857 |
| %RSD   | 67.957 |

|    |        |
|----|--------|
| #1 | 2.3009 |
| #2 | 9.0235 |
| #3 | 4.0635 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4116.6 | 48564. | 4983.1 | 69.770 | 4357.6 |
| Stddev    | 11.3   | 178.   | 41.3   | 2.554  | 8.4    |
| %RSD      | .27528 | .36748 | .82797 | 3.6601 | .19186 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4107.3 | 48554. | 4943.3 | 68.633 | 4350.4 |
| #2 | 4113.3 | 48747. | 4980.3 | 67.982 | 4355.8 |
| #3 | 4129.2 | 48391. | 5025.6 | 72.694 | 4366.8 |

Sample Name: CCB09      Acquired: 5/10/2019 21:10:10      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14943      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |          |         |         |         |        |          |
|--------|---------|---------|----------|---------|---------|---------|--------|----------|
| Elem   | As1890  | Tl1908  | Pb2203   | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00210  | .00062  | F .00346 | -.00209 | .00116  | -.01214 | .00059 | .00001   |
| Stddev | .00220  | .00049  | .00053   | .00226  | .00017  | .00977  | .00075 | .00007   |
| %RSD   | 104.76  | 78.134  | 15.365   | 108.15  | 14.849  | 80.508  | 126.79 | 544.43   |
| #1     | .00033  | .00087  | .00365   | -.00365 | .00100  | -.00110 | .00144 | .00002   |
| #2     | .00141  | .00094  | .00387   | -.00310 | .00134  | -.01564 | .00007 | .00008   |
| #3     | .00457  | .00006  | .00286   | .00050  | .00112  | -.01969 | .00026 | -.00006  |
| Elem   | Cd2265  | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00004 | -.00631 | .00010   | .00016  | -.00156 | .00217  | .00011 | -.01707  |
| Stddev | .00004  | .01470  | .00016   | .00015  | .00026  | .00017  | .00008 | .02636   |
| %RSD   | 91.223  | 232.85  | 156.64   | 92.697  | 16.833  | 7.9907  | 70.287 | 154.38   |
| #1     | -.00009 | .00578  | .00023   | -.00000 | -.00168 | .00198  | .00017 | -.04179  |
| #2     | -.00001 | -.00205 | .00014   | .00019  | -.00126 | .00233  | .00002 | -.02009  |
| #3     | -.00003 | -.02268 | -.00007  | .00028  | -.00175 | .00219  | .00014 | .01066   |
| Elem   | Ni2316  | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00036 | -.00004 | -.12288  | .00021  | .00152  | -.13085 | .00067 | .01080   |
| Stddev | .00042  | .00069  | .00407   | .00041  | .00027  | .02480  | .00032 | .00815   |
| %RSD   | 118.12  | 1868.9  | 3.3120   | 191.10  | 17.534  | 18.955  | 48.522 | 75.470   |
| #1     | -.00017 | .00066  | -.12757  | .00028  | .00183  | -.15930 | .00088 | .01942   |
| #2     | -.00084 | -.00072 | -.12032  | .00059  | .00141  | -.11948 | .00083 | .00975   |
| #3     | -.00006 | -.00005 | -.12073  | -.00022 | .00133  | -.11378 | .00030 | .00322   |
| Elem   | S_1820  | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670   |
| Units  | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00687 | .00818  | .00155   | .00045  | -.00036 | .0030   | .00013 | F 2.3722 |
| Stddev | .00121  | .00182  | .00021   | .00129  | .00104  | .0012   | .00008 | .1571    |
| %RSD   | 17.624  | 22.218  | 13.551   | 287.62  | 290.61  | 40.70   | 62.604 | 6.6235   |
| #1     | -.00608 | .01023  | .00179   | -.00054 | -.00138 | .0020   | .00018 | 2.4458   |
| #2     | -.00826 | .00755  | .00142   | -.00002 | -.00037 | .0026   | .00004 | 2.1918   |
| #3     | -.00626 | .00676  | .00143   | .00190  | .00069  | .0044   | .00018 | 2.4791   |

Sample Name: CCB09      Acquired: 5/10/2019 21:10:10      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14943      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 7.3969 |
| Stddev | 1.1819   |
| %RSD   | 15.978   |

|    |        |
|----|--------|
| #1 | 6.8628 |
| #2 | 8.7515 |
| #3 | 6.5763 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4297.1 | 51144. | 5023.6 | 71.269 | 4905.0 |
| Stddev    | 17.0   | 174.   | 23.3   | 2.079  | 15.3   |
| %RSD      | .39594 | .34098 | .46288 | 2.9166 | .31245 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4312.1 | 51038. | 5039.1 | 73.642 | 4920.1 |
| #2 | 4278.6 | 51049. | 5034.8 | 69.767 | 4889.5 |
| #3 | 4300.6 | 51345. | 4996.9 | 70.400 | 4905.4 |

Sample Name: K2762-09      Acquired: 5/10/2019 21:14:39      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05254 | .00582 | .39366 | -.02828 | .00124 | 195.39 | 1.9283 |
| Stddev | .00156 | .00065 | .00178 | .00185  | .00245 | .41    | .0045  |
| %RSD   | 2.9639 | 11.157 | .45167 | 6.5310  | 197.95 | .20925 | .23081 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .05305 | .00651 | .39496 | -.02615 | .00215  | 195.46 | 1.9235 |
| #2 | .05379 | .00572 | .39163 | -.02944 | .00310  | 194.94 | 1.9292 |
| #3 | .05080 | .00522 | .39439 | -.02925 | -.00154 | 195.75 | 1.9323 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02037 | .00492 | 48.040 | .18118 | .19827 | .33901 | 325.23 |
| Stddev | .00032 | .00028 | .296   | .00065 | .00106 | .00085 | .31    |
| %RSD   | 1.5560 | 5.6880 | .61621 | .36027 | .53503 | .24980 | .09586 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02050 | .00460 | 47.823 | .18107 | .19708 | .33811 | 324.88 |
| #2 | .02059 | .00511 | 48.377 | .18188 | .19859 | .33980 | 325.35 |
| #3 | .02001 | .00506 | 47.919 | .18059 | .19913 | .33913 | 325.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 17.024 | 85.889 | .39665 | -.04618 | 2.0315 | .21918 | 3.9999 |
| Stddev | .094   | .258   | .00240 | .00051  | .0093  | .00060 | .0040  |
| %RSD   | .55327 | .30070 | .60566 | 1.0971  | .45936 | .27431 | .10131 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 16.976 | 85.591 | .39491 | -.04649 | 2.0223 | .21855 | 3.9955 |
| #2 | 17.133 | 86.042 | .39564 | -.04644 | 2.0311 | .21974 | 4.0035 |
| #3 | 16.964 | 86.034 | .39939 | -.04559 | 2.0410 | .21924 | 4.0007 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.746 | -.00449 | .23621 | 4.5694 | 2.7657 | .02010 | .64813 |
| Stddev | .027   | .00006  | .01189 | .0097  | .0444  | .00178 | .00464 |
| %RSD   | .21083 | 1.2636  | 5.0342 | .21303 | 1.6049 | 8.8573 | .71558 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 12.774 | -.00456 | .22259 | 4.5583 | 2.8102 | .02105 | .64697 |
| #2 | 12.745 | -.00445 | .24156 | 4.5764 | 2.7654 | .01805 | .64418 |
| #3 | 12.720 | -.00446 | .24449 | 4.5735 | 2.7214 | .02120 | .65324 |

Sample Name: K2762-09      Acquired: 5/10/2019 21:14:39      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .46282 | F 14.59 | -.12107 | <.00000 | F<.00000 |
| Stddev    | .00101 | .09     | .00039  | .10250  | 5.6753   |
| %RSD      | .21826 | .6152   | .32017  | 4.3698  | .93721   |
| #1        | .46189 | 14.54   | -.12109 | -2.4068 | -606.01  |
| #2        | .46390 | 14.54   | -.12068 | -2.4031 | -599.67  |
| #3        | .46269 | 14.70   | -.12145 | -2.2274 | -610.99  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4924.9 | 58799.  | 6340.9  | 70.024  | 4093.6   |
| Stddev    | 3.1    | 95.     | 29.9    | 1.339   | 1.8      |
| %RSD      | .06329 | .16190  | .47161  | 1.9122  | .04484   |
| #1        | 4921.5 | 58839.  | 6341.1  | 68.650  | 4091.6   |
| #2        | 4925.5 | 58691.  | 6310.8  | 71.325  | 4095.2   |
| #3        | 4927.6 | 58868.  | 6370.6  | 70.097  | 4094.0   |

Sample Name: K2762-10      Acquired: 5/10/2019 21:19:13      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .09735 | .00906 | .54674 | -.03175 | .00148 | 247.49 | 2.5935 |
| Stddev | .00568 | .00209 | .00290 | .00217  | .00056 | .98    | .0066  |
| %RSD   | 5.8297 | 23.057 | .52988 | 6.8345  | 37.918 | .39528 | .25332 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .09440 | .00667 | .54378 | -.03342 | .00159 | 248.52 | 2.5976 |
| #2 | .09377 | .00999 | .54689 | -.02930 | .00198 | 247.38 | 2.5970 |
| #3 | .10390 | .01053 | .54956 | -.03254 | .00087 | 246.57 | 2.5859 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02572 | .00016 | 27.794 | .24154 | .23289 | .44288 | 372.98 |
| Stddev | .00024 | .00016 | .093   | .00071 | .00043 | .00124 | 1.79   |
| %RSD   | .94114 | 98.082 | .33361 | .29588 | .18641 | .27947 | .47891 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02576 | .00023  | 27.723 | .24202 | .23251 | .44163 | 374.24 |
| #2 | .02594 | -.00002 | 27.899 | .24189 | .23336 | .44291 | 373.76 |
| #3 | .02546 | .00027  | 27.760 | .24072 | .23280 | .44410 | 370.93 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 21.649 | 89.501 | .43712 | -.05581 | 2.2692 | .23680 | 2.1684 |
| Stddev | .187   | .200   | .00080 | .00041  | .0034  | .00279 | .0039  |
| %RSD   | .86557 | .22307 | .18313 | .72723  | .15137 | 1.1773 | .17975 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 21.859 | 89.289 | .43622 | -.05541 | 2.2677 | .23618 | 2.1655 |
| #2 | 21.589 | 89.686 | .43738 | -.05581 | 2.2668 | .23437 | 2.1668 |
| #3 | 21.499 | 89.529 | .43776 | -.05622 | 2.2731 | .23984 | 2.1728 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.834 | -.00434 | .24428 | 3.4258 | 4.9524 | .02046 | .42460 |
| Stddev | .029   | .00069  | .00749 | .0080  | .0744  | .00053 | .00612 |
| %RSD   | .24320 | 15.993  | 3.0663 | .23267 | 1.5021 | 2.5887 | 1.4407 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 11.865 | -.00483 | .24138 | 3.4299 | 4.8733 | .02107 | .42966 |
| #2 | 11.829 | -.00465 | .25279 | 3.4308 | 4.9629 | .02010 | .42632 |
| #3 | 11.808 | -.00355 | .23868 | 3.4166 | 5.0210 | .02022 | .41780 |

Sample Name: K2762-10      Acquired: 5/10/2019 21:19:13      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .51651 | F 10.50 | -.20871 | <.00000 | F<.00000 |
| Stddev    | .00152 | .01     | .00155  | .15790  | 5.0003   |
| %RSD      | .29345 | .0981   | .74108  | 15.380  | .72591   |
| #1        | .51817 | 10.51   | -.20959 | -.85785 | -683.48  |
| #2        | .51617 | 10.51   | -.20962 | -1.1707 | -689.61  |
| #3        | .51520 | 10.49   | -.20693 | -1.0513 | -693.38  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4688.6 | 55588.  | 6090.8  | 71.370  | 4104.0   |
| Stddev    | 5.1    | 222.    | 29.7    | 1.890   | 4.5      |
| %RSD      | .10961 | .39879  | .48703  | 2.6483  | .10984   |
| #1        | 4689.5 | 55384.  | 6069.1  | 69.250  | 4108.3   |
| #2        | 4683.1 | 55555.  | 6078.6  | 71.982  | 4099.3   |
| #3        | 4693.2 | 55824.  | 6124.6  | 72.879  | 4104.4   |

Sample Name: K2762-11      Acquired: 5/10/2019 21:23:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08991 | .01015 | .63892 | -.02626 | .00208 | 242.60 | 2.5806 |
| Stddev | .00262 | .00252 | .00222 | .00366  | .00301 | 1.28   | .0051  |
| %RSD   | 2.9125 | 24.856 | .34723 | 13.946  | 144.99 | .52848 | .19742 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .08809 | .01157 | .64108 | -.02782 | -.00009 | 244.01 | 2.5835 |
| #2 | .08873 | .01165 | .63665 | -.02208 | .00552  | 241.50 | 2.5747 |
| #3 | .09291 | .00724 | .63904 | -.02889 | .00080  | 242.30 | 2.5835 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02442 | -.00015 | 24.815 | .28886 | .22776 | .42044 | 355.50 |
| Stddev | .00006 | .00018  | .085   | .00089 | .00049 | .00138 | 1.46   |
| %RSD   | .25297 | 118.14  | .34167 | .30961 | .21408 | .32844 | .41031 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02435 | -.00031 | 24.900 | .28935 | .22816 | .41948 | 357.19 |
| #2 | .02446 | .00004  | 24.731 | .28940 | .22722 | .41982 | 354.68 |
| #3 | .02445 | -.00017 | 24.813 | .28783 | .22791 | .42202 | 354.64 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 19.397 | 85.860 | .45214 | -.05157 | 2.2870 | .23935 | 2.2241 |
| Stddev | .101   | .376   | .00073 | .00061  | .0035  | .00176 | .0011  |
| %RSD   | .52177 | .43736 | .16254 | 1.1909  | .15319 | .73606 | .04895 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 19.481 | 85.870 | .45266 | -.05087 | 2.2898 | .23744 | 2.2252 |
| #2 | 19.425 | 85.480 | .45130 | -.05187 | 2.2831 | .24092 | 2.2230 |
| #3 | 19.284 | 86.231 | .45245 | -.05199 | 2.2881 | .23968 | 2.2241 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.390 | -.00251 | .26004 | 3.3272 | 4.7099 | .02293 | .43808 |
| Stddev | .081   | .00003  | .01631 | .0185  | .1228  | .00109 | .00230 |
| %RSD   | .77999 | 1.0658  | 6.2722 | .55672 | 2.6081 | 4.7403 | .52474 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 10.483 | -.00251 | .27873 | 3.3415 | 4.7854 | .02339 | .43912 |
| #2 | 10.333 | -.00254 | .24869 | 3.3062 | 4.7762 | .02371 | .43968 |
| #3 | 10.353 | -.00249 | .25270 | 3.3337 | 4.5682 | .02169 | .43545 |

Sample Name: K2762-11      Acquired: 5/10/2019 21:23:47      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS002-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .49976 | F 10.05 | -.22138 | <.00000 | F<.00000 |
| Stddev    | .00300 | .06     | .00114  | .08846  | 4.5849   |
| %RSD      | .60099 | .5756   | .51428  | 5.3854  | .71135   |
| #1        | .50225 | 10.12   | -.22248 | -1.5404 | -639.37  |
| #2        | .49643 | 10.00   | -.22020 | -1.6950 | -646.10  |
| #3        | .50062 | 10.04   | -.22147 | -1.6922 | -648.13  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4769.8 | 56344.  | 6104.6  | 69.116  | 4104.5   |
| Stddev    | 7.1    | 167.    | 23.2    | 2.219   | 2.5      |
| %RSD      | .14929 | .29702  | .38035  | 3.2109  | .06104   |
| #1        | 4772.5 | 56154.  | 6078.5  | 67.528  | 4102.1   |
| #2        | 4761.7 | 56408.  | 6123.1  | 71.652  | 4104.2   |
| #3        | 4775.2 | 56471.  | 6112.2  | 68.167  | 4107.1   |

Sample Name: K2762-12      Acquired: 5/10/2019 21:28:22      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08514 | .00885 | .43100 | -.01131 | .00149 | 231.84 | 2.8789 |
| Stddev | .00285 | .00266 | .00254 | .00463  | .00063 | .88    | .0122  |
| %RSD   | 3.3511 | 30.068 | .58817 | 40.940  | 42.552 | .37887 | .42503 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .08432 | .00942 | .42954 | -.00601 | .00220 | 231.40 | 2.8737 |
| #2 | .08831 | .01119 | .42952 | -.01339 | .00128 | 231.28 | 2.8702 |
| #3 | .08278 | .00596 | .43392 | -.01455 | .00098 | 232.86 | 2.8929 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02218 | -.00114 | 33.144 | .31212 | .19749 | .32845 | 334.95 |
| Stddev | .00007 | .00005  | .073   | .00091 | .00082 | .00119 | 2.85   |
| %RSD   | .33216 | 4.4932  | .21918 | .29023 | .41628 | .36293 | .85162 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02217 | -.00117 | 33.076 | .31121 | .19659 | .32708 | 332.29 |
| #2 | .02211 | -.00108 | 33.134 | .31302 | .19766 | .32906 | 334.62 |
| #3 | .02226 | -.00117 | 33.221 | .31212 | .19821 | .32921 | 337.96 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 25.852 | 65.858 | .40321 | -.04577 | 2.3354 | .20458 | 2.3823 |
| Stddev | .107   | .313   | .00196 | .00041  | .0087  | .00201 | .0030  |
| %RSD   | .41569 | .47490 | .48695 | .90570  | .37146 | .98295 | .12419 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 25.768 | 65.585 | .40095 | -.04554 | 2.3338 | .20229 | 2.3836 |
| #2 | 25.973 | 65.790 | .40426 | -.04553 | 2.3276 | .20607 | 2.3789 |
| #3 | 25.815 | 66.199 | .40443 | -.04625 | 2.3447 | .20537 | 2.3843 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.062 | -.00001 | .25415 | 3.2298 | 5.5297 | .01920 | .47093 |
| Stddev | .042   | .00033  | .00176 | .0056  | .0291  | .00039 | .00409 |
| %RSD   | .41316 | 5450.9  | .69364 | .17342 | .52570 | 2.0074 | .86858 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 10.065 | .00030  | .25523 | 3.2256 | 5.5121 | .01954 | .46999 |
| #2 | 10.019 | .00004  | .25511 | 3.2362 | 5.5633 | .01878 | .46738 |
| #3 | 10.102 | -.00036 | .25212 | 3.2276 | 5.5138 | .01928 | .47540 |

Sample Name: K2762-12      Acquired: 5/10/2019 21:28:22      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS002-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |         |         |          |
|--------|--------|---------|---------|---------|----------|
| Elem   | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg    | .38806 | F 11.49 | -.17114 | <.00000 | F<.00000 |
| Stddev | .00251 | .05     | .00294  | .11068  | 6.4471   |
| %RSD   | .64794 | .4246   | 1.7192  | 13.143  | 1.1543   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .38703 | 11.44 | -.16859 | -.79914 | -553.51 |
| #2 | .39092 | 11.49 | -.17047 | -.75941 | -565.81 |
| #3 | .38622 | 11.54 | -.17436 | -.96786 | -556.31 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4695.9 | 55527. | 5967.6 | 69.594 | 4147.2 |
| Stddev    | 5.3    | 183.   | 4.9    | .429   | 2.1    |
| %RSD      | .11344 | .32969 | .08233 | .61596 | .04985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4701.9 | 55442. | 5962.0 | 69.666 | 4145.3 |
| #2 | 4691.7 | 55737. | 5969.6 | 69.133 | 4149.4 |
| #3 | 4694.0 | 55401. | 5971.1 | 69.981 | 4147.0 |

Sample Name: K2762-13      Acquired: 5/10/2019 21:32:56      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS002-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05452 | .00828 | .24213 | -.00554 | .00146 | 237.46 | 2.7461 |
| Stddev | .00782 | .00247 | .00205 | .00070  | .00093 | 2.02   | .0211  |
| %RSD   | 14.342 | 29.778 | .84856 | 12.658  | 63.219 | .84861 | .76721 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06235 | .00576 | .24450 | -.00634 | .00171 | 235.58 | 2.7249 |
| #2 | .04671 | .01068 | .24113 | -.00523 | .00224 | 239.59 | 2.7671 |
| #3 | .05450 | .00840 | .24077 | -.00504 | .00044 | 237.20 | 2.7464 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01987 | -.00587 | 23.487 | .18366 | .14300 | .21104 | 307.59 |
| Stddev | .00018 | .00017  | .208   | .00033 | .00076 | .00171 | 1.26   |
| %RSD   | .89692 | 2.9065  | .88641 | .18121 | .53223 | .81024 | .41045 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01976 | -.00567 | 23.438 | .18366 | .14288 | .21299 | 306.19 |
| #2 | .01977 | -.00595 | 23.715 | .18333 | .14381 | .20978 | 308.65 |
| #3 | .02007 | -.00598 | 23.308 | .18400 | .14230 | .21036 | 307.92 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 24.720 | 43.551 | .24863 | -.03823 | 2.5764 | .21783 | 1.3944 |
| Stddev | .089   | .484   | .00079 | .00074  | .0180  | .00069 | .0013  |
| %RSD   | .35834 | 1.1111 | .31624 | 1.9427  | .69959 | .31780 | .09051 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 24.772 | 43.056 | .24884 | -.03739 | 2.5585 | .21715 | 1.3948 |
| #2 | 24.771 | 44.023 | .24928 | -.03880 | 2.5946 | .21781 | 1.3955 |
| #3 | 24.618 | 43.575 | .24776 | -.03850 | 2.5761 | .21853 | 1.3930 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.6186 | .00002 | .22913 | 2.6884 | 6.7960 | .01576 | .54690 |
| Stddev | .0999  | .00023 | .00864 | .0037  | .1055  | .00059 | .00341 |
| %RSD   | 1.5100 | 1204.9 | 3.7721 | .13776 | 1.5529 | 3.7324 | .62298 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.5797 | -.00002 | .22896 | 2.6856 | 6.6764 | .01620 | .54781 |
| #2 | 6.7321 | .00027  | .22058 | 2.6926 | 6.8760 | .01600 | .54975 |
| #3 | 6.5439 | -.00019 | .23786 | 2.6870 | 6.8356 | .01509 | .54313 |

Sample Name: K2762-13      Acquired: 5/10/2019 21:32:56      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS002-1      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |        |          |
|-----------|--------|---------|---------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm    | ppm      |
| Avg       | .30249 | F 11.29 | -.18188 | .20268 | F<.00000 |
| Stddev    | .00215 | .04     | .00089  | .07593 | 4.5466   |
| %RSD      | .71144 | .3600   | .49085  | 37.461 | .97626   |
| #1        | .30047 | 11.30   | -.18087 | .14082 | -461.67  |
| #2        | .30225 | 11.32   | -.18256 | .28741 | -464.85  |
| #3        | .30475 | 11.24   | -.18221 | .17980 | -470.64  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4555.9 | 53905.  | 5769.7  | 70.567 | 4232.9   |
| Stddev    | 6.8    | 173.    | 44.0    | .776   | .3       |
| %RSD      | .14935 | .32110  | .76260  | 1.0990 | .00672   |
| #1        | 4549.7 | 53984.  | 5739.8  | 69.672 | 4232.6   |
| #2        | 4563.1 | 53706.  | 5749.2  | 71.011 | 4233.2   |
| #3        | 4554.8 | 54023.  | 5820.2  | 71.019 | 4232.9   |

Sample Name: K2762-14      Acquired: 5/10/2019 21:37:30      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06332 | .00728 | 1.2864 | -.00572 | .00220 | 228.69 | 3.0374 |
| Stddev | .00110 | .00055 | .0062  | .00450  | .00092 | 1.77   | .0322  |
| %RSD   | 1.7314 | 7.5894 | .48434 | 78.610  | 41.893 | .77605 | 1.0608 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06441 | .00754 | 1.2798 | -.00215 | .00315 | 227.42 | 3.0095 |
| #2 | .06333 | .00766 | 1.2922 | -.01077 | .00131 | 227.94 | 3.0301 |
| #3 | .06222 | .00665 | 1.2871 | -.00423 | .00213 | 230.72 | 3.0727 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01994 | -.00518 | 7.2026 | .15441 | .16440 | .20976 | 291.16 |
| Stddev | .00010 | .00018  | .0409  | .00056 | .00073 | .00097 | 1.11   |
| %RSD   | .49313 | 3.3888  | .56750 | .36340 | .44551 | .46170 | .38059 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02000 | -.00535 | 7.2035 | .15496 | .16376 | .20946 | 291.59 |
| #2 | .01982 | -.00500 | 7.2430 | .15384 | .16520 | .21084 | 289.91 |
| #3 | .01999 | -.00520 | 7.1613 | .15442 | .16424 | .20898 | 292.00 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 26.091 | 46.248 | .23704 | -.03406 | .45508 | .19783 | 1.0580 |
| Stddev | .136   | .517   | .00068 | .00057  | .00757 | .00265 | .0077  |
| %RSD   | .52271 | 1.1187 | .28691 | 1.6756  | 1.6645 | 1.3420 | .73060 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 25.934 | 45.767 | .23671 | -.03467 | .44634 | .19973 | 1.0557 |
| #2 | 26.178 | 46.182 | .23782 | -.03353 | .45979 | .19480 | 1.0666 |
| #3 | 26.162 | 46.796 | .23658 | -.03397 | .45910 | .19896 | 1.0517 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5791 | .00037 | .22504 | 4.0727 | 6.0962 | .01730 | .53745 |
| Stddev | .0638  | .00058 | .00427 | .0116  | .0841  | .00107 | .00995 |
| %RSD   | .96968 | 156.50 | 1.8986 | .28418 | 1.3803 | 6.1616 | 1.8508 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.5123 | -.00022 | .22859 | 4.0729 | 6.1833 | .01851 | .53228 |
| #2 | 6.5855 | .00040  | .22030 | 4.0842 | 6.0897 | .01690 | .53115 |
| #3 | 6.6394 | .00093  | .22623 | 4.0610 | 6.0154 | .01649 | .54892 |

Sample Name: K2762-14      Acquired: 5/10/2019 21:37:30      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .26596 | F 13.75 | -.25388 | <.00000 | F<.00000 |
| Stddev    | .00122 | .09     | .00127  | .38999  | 4.8678   |
| %RSD      | .45742 | .6251   | .49914  | 46.483  | 1.0810   |
| #1        | .26693 | 13.73   | -.25437 | -1.1572 | -454.92  |
| #2        | .26634 | 13.85   | -.25244 | -.95586 | -445.22  |
| #3        | .26459 | 13.68   | -.25483 | -.40393 | -450.79  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4696.5 | 55833.  | 5976.2  | 71.600  | 4248.6   |
| Stddev    | 24.9   | 79.     | 59.3    | 1.480   | 27.4     |
| %RSD      | .52931 | .14151  | .99246  | 2.0663  | .64541   |
| #1        | 4712.1 | 55803.  | 5927.8  | 70.586  | 4254.7   |
| #2        | 4667.8 | 55922.  | 5958.4  | 73.298  | 4218.7   |
| #3        | 4709.5 | 55773.  | 6042.4  | 70.916  | 4272.5   |

Sample Name: K2762-15      Acquired: 5/10/2019 21:42:04      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05856 | .00744 | .56261 | .00051 | .00145 | 240.40 | 2.9913 |
| Stddev | .00562 | .00156 | .00233 | .00249 | .00340 | 2.27   | .0261  |
| %RSD   | 9.5937 | 20.948 | .41337 | 483.97 | 235.46 | .94413 | .87185 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .05282 | .00580 | .56058 | -.00038 | .00119  | 237.78 | 2.9616 |
| #2 | .06405 | .00762 | .56515 | -.00140 | .00497  | 241.64 | 3.0021 |
| #3 | .05881 | .00890 | .56211 | .00333  | -.00182 | 241.77 | 3.0103 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02039 | -.00497 | 4.9344 | .15614 | .15857 | .20043 | 296.87 |
| Stddev | .00020 | .00024  | .0075  | .00037 | .00126 | .00040 | 1.16   |
| %RSD   | .98488 | 4.7998  | .15185 | .23752 | .79506 | .20151 | .39163 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02054 | -.00494 | 4.9407 | .15626 | .15984 | .20086 | 297.69 |
| #2 | .02017 | -.00475 | 4.9261 | .15643 | .15855 | .20038 | 295.54 |
| #3 | .02048 | -.00522 | 4.9364 | .15572 | .15732 | .20005 | 297.38 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 28.434 | 44.044 | .23236 | -.03593 | .63952 | .17671 | 1.1269 |
| Stddev | .069   | .711   | .00122 | .00058  | .00404 | .00107 | .0036  |
| %RSD   | .24272 | 1.6134 | .52350 | 1.6003  | .63171 | .60496 | .32036 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 28.437 | 43.465 | .23374 | -.03563 | .63838 | .17587 | 1.1253 |
| #2 | 28.364 | 43.831 | .23147 | -.03557 | .63617 | .17634 | 1.1310 |
| #3 | 28.502 | 44.837 | .23185 | -.03660 | .64401 | .17791 | 1.1243 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.5654 | -.00106 | .21978 | 3.1763 | 8.7155 | .01758 | .60670 |
| Stddev | .0735  | .00019  | .01524 | .0046  | .0475  | .00049 | .00367 |
| %RSD   | 1.1197 | 17.811  | 6.9338 | .14583 | .54475 | 2.8043 | .60439 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.4813 | -.00101 | .22284 | 3.1817 | 8.6875 | .01815 | .60418 |
| #2 | 6.6172 | -.00091 | .20324 | 3.1735 | 8.6887 | .01731 | .60502 |
| #3 | 6.5978 | -.00127 | .23325 | 3.1738 | 8.7703 | .01729 | .61091 |

Sample Name: K2762-15      Acquired: 5/10/2019 21:42:04      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .27383 | F 12.81 | -.27258 | <.00000 | F<.00000 |
| Stddev    | .00184 | .02     | .00201  | .20326  | .69313   |
| %RSD      | .67206 | .1545   | .73668  | 31.611  | .14811   |
| #1        | .27171 | 12.80   | -.27404 | -.41427 | -467.55  |
| #2        | .27474 | 12.84   | -.27029 | -.71176 | -468.77  |
| #3        | .27504 | 12.81   | -.27341 | -.80295 | -467.59  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4740.0 | 55935.  | 6026.4  | 72.915  | 4246.2   |
| Stddev    | 6.4    | 106.    | 48.8    | 2.734   | 8.8      |
| %RSD      | .13543 | .18928  | .81009  | 3.7492  | .20661   |
| #1        | 4738.7 | 56057.  | 5979.1  | 73.305  | 4247.3   |
| #2        | 4734.3 | 55864.  | 6023.5  | 70.007  | 4237.0   |
| #3        | 4746.9 | 55885.  | 6076.6  | 75.432  | 4254.4   |

Sample Name: K2762-16      Acquired: 5/10/2019 21:46:40      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04893 | .00726 | .21577 | .00239 | .00127 | 238.89 | 3.0331 |
| Stddev | .00068 | .00202 | .00344 | .00284 | .00127 | 1.64   | .0196  |
| %RSD   | 1.3861 | 27.827 | 1.5941 | 118.82 | 100.57 | .68848 | .64551 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .04952 | .00680 | .21437 | .00319  | .00064 | 238.23 | 3.0234 |
| #2 | .04907 | .00551 | .21969 | .00475  | .00043 | 240.77 | 3.0556 |
| #3 | .04819 | .00947 | .21326 | -.00076 | .00273 | 237.68 | 3.0203 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01985 | -.00610 | 4.0339 | .16756 | .15561 | .17696 | 293.27 |
| Stddev | .00016 | .00028  | .0278  | .00100 | .00087 | .00080 | .86    |
| %RSD   | .82369 | 4.6145  | .69011 | .59593 | .56011 | .45267 | .29294 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02003 | -.00619 | 4.0120 | .16851 | .15539 | .17720 | 293.86 |
| #2 | .01977 | -.00633 | 4.0652 | .16766 | .15658 | .17762 | 293.66 |
| #3 | .01973 | -.00579 | 4.0245 | .16652 | .15488 | .17607 | 292.28 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 29.950 | 39.906 | .22918 | -.03507 | .80547 | .16656 | 1.0550 |
| Stddev | .052   | .607   | .00102 | .00051  | .01125 | .00169 | .0049  |
| %RSD   | .17469 | 1.5216 | .44422 | 1.4615  | 1.3968 | 1.0167 | .46338 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 30.009 | 39.609 | .22992 | -.03463 | .79794 | .16467 | 1.0572 |
| #2 | 29.912 | 40.604 | .22960 | -.03496 | .81840 | .16705 | 1.0584 |
| #3 | 29.927 | 39.504 | .22802 | -.03563 | .80005 | .16795 | 1.0494 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.3927 | -.00078 | .22208 | 2.4924 | 6.5281 | .01404 | .55656 |
| Stddev | .1294  | .00043  | .00274 | .0144  | .1447  | .00116 | .01422 |
| %RSD   | 2.0246 | 55.469  | 1.2324 | .57725 | 2.2172 | 8.2561 | 2.5549 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.3345 | -.00079 | .22178 | 2.4966 | 6.6119 | .01510 | .57216 |
| #2 | 6.5410 | -.00034 | .22495 | 2.5042 | 6.3610 | .01423 | .55321 |
| #3 | 6.3025 | -.00120 | .21950 | 2.4764 | 6.6115 | .01280 | .54432 |

Sample Name: K2762-16      Acquired: 5/10/2019 21:46:40      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS003-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .26002 | F 11.43 | -.27489 | <.00000 | F<.00000 |
| Stddev    | .00085 | .05     | .00096  | .09560  | 3.3806   |
| %RSD      | .32678 | .4454   | .35016  | 15.196  | .75855   |
| #1        | .26080 | 11.46   | -.27582 | -.55157 | -442.92  |
| #2        | .26016 | 11.46   | -.27495 | -.59986 | -444.64  |
| #3        | .25911 | 11.37   | -.27390 | -.73593 | -449.44  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4748.5 | 55590.  | 5938.7  | 71.925  | 4284.0   |
| Stddev    | 19.4   | 240.    | 63.4    | .250    | 17.2     |
| %RSD      | .40921 | .43197  | 1.0676  | .34786  | .40135   |
| #1        | 4735.4 | 55365.  | 5876.3  | 71.937  | 4278.3   |
| #2        | 4739.2 | 55563.  | 6003.1  | 72.170  | 4270.4   |
| #3        | 4770.8 | 55843.  | 5936.9  | 71.670  | 4303.3   |

Sample Name: K2762-17      Acquired: 5/10/2019 21:51:15      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03991 | .00776 | .16758 | .00045 | .00093 | 236.62 | 2.3943 |
| Stddev | .00125 | .00198 | .00015 | .00386 | .00016 | .64    | .0017  |
| %RSD   | 3.1218 | 25.530 | .09030 | 858.53 | 17.306 | .27083 | .07003 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .03925 | .00853 | .16766 | .00455  | .00106 | 235.88 | 2.3957 |
| #2 | .03914 | .00924 | .16768 | -.00009 | .00075 | 237.04 | 2.3948 |
| #3 | .04135 | .00551 | .16741 | -.00311 | .00098 | 236.93 | 2.3924 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01869 | -.00665 | 3.7320 | .17102 | .14595 | .15565 | 282.97 |
| Stddev | .00025 | .00017  | .0273  | .00016 | .00031 | .00089 | 1.10   |
| %RSD   | 1.3414 | 2.5470  | .73205 | .09300 | .21535 | .57019 | .38712 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01895 | -.00663 | 3.7012 | .17094 | .14575 | .15516 | 284.15 |
| #2 | .01867 | -.00650 | 3.7417 | .17092 | .14579 | .15668 | 282.75 |
| #3 | .01845 | -.00683 | 3.7531 | .17120 | .14632 | .15512 | 281.99 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 22.767 | 38.614 | .22245 | -.03275 | .84623 | .20640 | .98537 |
| Stddev | .197   | .226   | .00129 | .00053  | .00741 | .00090 | .00160 |
| %RSD   | .86591 | .58640 | .57893 | 1.6221  | .87513 | .43638 | .16250 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 22.634 | 38.473 | .22211 | -.03256 | .83772 | .20575 | .98420 |
| #2 | 22.673 | 38.875 | .22137 | -.03234 | .85125 | .20603 | .98719 |
| #3 | 22.993 | 38.493 | .22387 | -.03335 | .84971 | .20743 | .98472 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1415 | -.00029 | .21615 | 2.2715 | 7.9534 | .01394 | .68224 |
| Stddev | .0138  | .00038  | .00314 | .0034  | .0522  | .00128 | .00353 |
| %RSD   | .26892 | 131.59  | 1.4541 | .14995 | .65595 | 9.2112 | .51692 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 5.1532 | -.00039 | .21978 | 2.2742 | 7.9880 | .01344 | .67868 |
| #2 | 5.1452 | -.00062 | .21436 | 2.2677 | 7.9789 | .01298 | .68573 |
| #3 | 5.1262 | .00013  | .21430 | 2.2727 | 7.8934 | .01540 | .68231 |

Sample Name: K2762-17      Acquired: 5/10/2019 21:51:15      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS003-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .25598 | 8.683  | -.26755 | <.00000 | F<.00000 |
| Stddev | .00400 | .006   | .00138  | .11222  | 1.4899   |
| %RSD   | 1.5608 | .0738  | .51474  | 16.677  | .35433   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .25286 | 8.676 | -.26911 | -.55503 | -421.98 |
| #2 | .26048 | 8.682 | -.26702 | -.77845 | -420.46 |
| #3 | .25459 | 8.689 | -.26652 | -.68533 | -419.00 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4765.2 | 55774. | 5994.4 | 72.420 | 4289.6 |
| Stddev    | 14.9   | 124.   | 40.3   | 1.538  | 10.3   |
| %RSD      | .31171 | .22208 | .67167 | 2.1232 | .24105 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4756.8 | 55773. | 6040.8 | 74.092 | 4287.6 |
| #2 | 4756.4 | 55651. | 5971.7 | 72.103 | 4280.3 |
| #3 | 4782.3 | 55899. | 5970.5 | 71.066 | 4300.7 |

Sample Name: K2762-18      Acquired: 5/10/2019 21:55:51      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS003-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .05323 | .00863 | .12984 | -.02036 | .00125 | 289.03 | 1.6747 |
| Stddev | .00408 | .00081 | .00011 | .00235  | .00266 | .50    | .0016  |
| %RSD   | 7.6709 | 9.3847 | .08851 | 11.561  | 213.05 | .17163 | .09318 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .04884 | .00879 | .12982 | -.02270 | -.00033 | 289.33 | 1.6761 |
| #2 | .05394 | .00934 | .12974 | -.02041 | .00431  | 288.46 | 1.6749 |
| #3 | .05692 | .00775 | .12997 | -.01799 | -.00025 | 289.30 | 1.6730 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02084 | -.00684 | 2.6941 | .23692 | .16141 | .22567 | 325.33 |
| Stddev | .00044 | .00023  | .0226  | .00109 | .00053 | .00090 | 1.32   |
| %RSD   | 2.1149 | 3.4099  | .83864 | .46132 | .32603 | .39938 | .40597 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02057 | -.00660 | 2.6773 | .23739 | .16105 | .22464 | 323.86 |
| #2 | .02135 | -.00707 | 2.6853 | .23567 | .16117 | .22605 | 326.42 |
| #3 | .02060 | -.00684 | 2.7198 | .23770 | .16201 | .22631 | 325.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.7039 | 58.815 | .30401 | -.04453 | .99052 | .35520 | .93761 |
| Stddev | .0376  | .323   | .00089 | .00068  | .01499 | .00426 | .00164 |
| %RSD   | .56109 | .54892 | .29280 | 1.5296  | 1.5131 | 1.2002 | .17519 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.6874 | 58.939 | .30301 | -.04517 | .98287 | .35999 | .93825 |
| #2 | 6.7469 | 59.057 | .30471 | -.04382 | 1.0078 | .35183 | .93575 |
| #3 | 6.6774 | 58.448 | .30432 | -.04461 | .98091 | .35378 | .93884 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.6607 | -.00125 | .24087 | 1.6890 | 7.2924 | .01525 | .74586 |
| Stddev | .0298  | .00066  | .00506 | .0084  | .0876  | .00201 | .00527 |
| %RSD   | .52635 | 52.485  | 2.1017 | .49655 | 1.2018 | 13.152 | .70598 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 5.6823 | -.00049 | .23730 | 1.6968 | 7.2878 | .01312 | .74405 |
| #2 | 5.6731 | -.00162 | .23865 | 1.6801 | 7.2071 | .01710 | .75180 |
| #3 | 5.6267 | -.00165 | .24667 | 1.6903 | 7.3822 | .01553 | .74175 |

Sample Name: K2762-18      Acquired: 5/10/2019 21:55:51      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS003-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .34130 | 4.313  | -.32113 | <.00000 | F<.00000 |
| Stddev | .00044 | .011   | .00145  | .04492  | 5.8085   |
| %RSD   | .13004 | .2542  | .45074  | 10.928  | 1.1456   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .34100 | 4.310 | -.31958 | -.38145 | -513.52 |
| #2 | .34109 | 4.303 | -.32245 | -.38892 | -505.12 |
| #3 | .34181 | 4.324 | -.32134 | -.46271 | -502.38 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4696.6 | 54527. | 5873.1 | 70.079 | 4213.8 |
| Stddev    | 13.8   | 44.    | 50.1   | 1.192  | 4.2    |
| %RSD      | .29370 | .07978 | .85303 | 1.7010 | .10063 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4704.6 | 54546. | 5892.0 | 68.817 | 4211.9 |
| #2 | 4680.7 | 54477. | 5911.0 | 70.235 | 4210.9 |
| #3 | 4704.4 | 54558. | 5816.3 | 71.185 | 4218.7 |

Sample Name: CCV10      Acquired: 5/10/2019 22:00:27      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119633BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9301 | 5.0126 | 4.8220 | 5.0163 | 4.8735 | 9.8120 | 9.7314 | .25126   |
| Stddev | .0181  | .0185  | .0166  | .0181  | .0225  | .0761  | .0467  | .00056   |
| %RSD   | .36745 | .36978 | .34388 | .36156 | .46180 | .77593 | .47994 | .22454   |
| #1     | 4.9485 | 5.0261 | 4.8400 | 5.0329 | 4.8982 | 9.8725 | 9.7460 | .25062   |
| #2     | 4.9293 | 5.0203 | 4.8185 | 5.0190 | 4.8680 | 9.8369 | 9.6791 | .25168   |
| #3     | 4.9123 | 4.9915 | 4.8074 | 4.9969 | 4.8542 | 9.7265 | 9.7690 | .25148   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4502 | 26.362 | 1.0228 | 2.4674 | 1.2244 | 5.1861 | 2.5334 | 25.024   |
| Stddev | .0080  | .114   | .0010  | .0116  | .0035  | .0091  | .0055  | .038     |
| %RSD   | .32854 | .43243 | .09386 | .46814 | .28450 | .17465 | .21770 | .15099   |
| #1     | 2.4588 | 26.489 | 1.0238 | 2.4783 | 1.2279 | 5.1964 | 2.5396 | 25.006   |
| #2     | 2.4491 | 26.269 | 1.0220 | 2.4686 | 1.2244 | 5.1822 | 2.5291 | 24.999   |
| #3     | 2.4428 | 26.328 | 1.0224 | 2.4553 | 1.2209 | 5.1796 | 2.5314 | 25.067   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4767 | 1.2620 | 24.727 | 2.5688 | 2.4053 | 25.149 | 5.0546 | 4.9760   |
| Stddev | .0085  | .0024  | .093   | .0030  | .0110  | .121   | .0161  | .0243    |
| %RSD   | .34202 | .19021 | .37537 | .11789 | .45579 | .48177 | .31810 | .48735   |
| #1     | 2.4849 | 1.2648 | 24.747 | 2.5723 | 2.4150 | 25.167 | 5.0723 | 5.0027   |
| #2     | 2.4772 | 1.2608 | 24.626 | 2.5672 | 2.4074 | 25.020 | 5.0504 | 4.9703   |
| #3     | 2.4680 | 1.2605 | 24.808 | 2.5668 | 2.3934 | 25.260 | 5.0410 | 4.9552   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1697 | 5.2271 | 4.9566 | 5.0755 | 4.9175 | 5.148  | 5.0724 | F 3.8261 |
| Stddev | .0325  | .0257  | .0282  | .0166  | .0526  | .016   | .0500  | .1738    |
| %RSD   | .62833 | .49175 | .56895 | .32742 | 1.0690 | .3121  | .98550 | 4.5418   |
| #1     | 5.1997 | 5.2473 | 4.9880 | 5.0945 | 4.9416 | 5.160  | 5.0825 | 4.0191   |
| #2     | 5.1743 | 5.1982 | 4.9484 | 5.0683 | 4.8571 | 5.155  | 5.0182 | 3.6822   |
| #3     | 5.1352 | 5.2360 | 4.9334 | 5.0636 | 4.9536 | 5.130  | 5.1166 | 3.7768   |

Sample Name: CCV10      Acquired: 5/10/2019 22:00:27      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119633BS      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 4.9614 |
| Stddev | 1.8543 |
| %RSD   | 37.375 |

|    |        |
|----|--------|
| #1 | 4.9863 |
| #2 | 6.8031 |
| #3 | 3.0948 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4162.2 | 48960. | 5038.9 | 71.055 | 4405.6 |
| Stddev    | 17.1   | 192.   | 35.6   | 1.363  | 21.6   |
| %RSD      | .41022 | .39171 | .70627 | 1.9181 | .49005 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4144.9 | 48744. | 5009.9 | 72.613 | 4385.1 |
| #2 | 4162.5 | 49111. | 5078.6 | 70.084 | 4403.5 |
| #3 | 4179.1 | 49024. | 5028.2 | 70.467 | 4428.2 |

Sample Name: CCB10      Acquired: 5/10/2019 22:04:28      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PB119635BS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |          |         |        |         |        |
|--------|--------|--------|----------|---------|--------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203   | Se1960  | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm    | ppm    | ppm      | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00212 | .00048 | F .00312 | -.00103 | .00192 | -.01194 | .00046 |
| Stddev | .00025 | .00034 | .00074   | .00257  | .00234 | .00631  | .00005 |
| %RSD   | 11.785 | 71.610 | 23.802   | 249.73  | 121.94 | 52.829  | 11.718 |

|    |        |        |        |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|--------|
| #1 | .00230 | .00009 | .00398 | -.00197 | .00195  | -.01405 | .00052 |
| #2 | .00184 | .00074 | .00269 | -.00299 | -.00044 | -.00485 | .00045 |
| #3 | .00223 | .00061 | .00270 | .00188  | .00424  | -.01692 | .00042 |

|        |        |         |         |        |         |         |        |
|--------|--------|---------|---------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00000 | -.00004 | -.00631 | .00015 | -.00003 | -.00183 | .00207 |
| Stddev | .00005 | .00008  | .02656  | .00032 | .00005  | .00021  | .00070 |
| %RSD   | 3629.9 | 216.53  | 421.15  | 210.98 | 197.50  | 11.654  | 33.996 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | -.00004 | .00006  | -.01536 | .00030  | -.00009 | -.00159 | .00152 |
| #2 | .00005  | -.00008 | .02360  | .00036  | .00000  | -.00199 | .00286 |
| #3 | -.00001 | -.00009 | -.02716 | -.00021 | .00000  | -.00192 | .00184 |

|        |        |         |        |        |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00011 | -.01481 | .00002 | .00029 | -.13084 | -.00010 | -.00002 |
| Stddev | .00007 | .01951  | .00018 | .00029 | .00132  | .00038  | .00017  |
| %RSD   | 60.702 | 131.75  | 922.95 | 101.69 | 1.0052  | 392.33  | 735.55  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00010 | -.02847 | -.00016 | .00059 | -.13201 | .00032  | .00016  |
| #2 | .00018 | .00754  | .00002  | .00001 | -.12942 | -.00044 | -.00005 |
| #3 | .00005 | -.02349 | .00020  | .00027 | -.13108 | -.00017 | -.00018 |

|        |         |        |        |         |        |        |         |
|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.08849 | .00046 | .01616 | -.00927 | .00612 | .00116 | -.00056 |
| Stddev | .01027  | .00019 | .00901 | .00324  | .00206 | .00028 | .00159  |
| %RSD   | 11.610  | 40.590 | 55.736 | 34.912  | 33.689 | 23.699 | 283.08  |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.09355 | .00061 | .02107 | -.01281 | .00835 | .00112 | -.00037 |
| #2 | -.07667 | .00025 | .00577 | -.00857 | .00574 | .00146 | .00092  |
| #3 | -.09525 | .00052 | .02165 | -.00645 | .00427 | .00091 | -.00225 |

Sample Name: CCB10      Acquired: 5/10/2019 22:04:28      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PB119635BS      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00125 | .0048  | .00014 | F 1.3715 | F<.00000 |
| Stddev | .00159  | .0016  | .00009 | .1881    | 1.4266   |
| %RSD   | 127.69  | 33.33  | 64.621 | 13.714   | 41.676   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00170 | .0059 | .00023 | 1.1924 | -4.2642 |
| #2 | .00052  | .0054 | .00014 | 1.5674 | -4.2295 |
| #3 | -.00256 | .0029 | .00005 | 1.3547 | -1.7760 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4409.7 | 52593. | 5249.7 | 75.003 | 5016.6 |
| Stddev    | 4.1    | 80.    | 42.8   | .544   | 5.6    |
| %RSD      | .09383 | .15151 | .81563 | .72521 | .11079 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4405.1 | 52534. | 5225.0 | 74.375 | 5011.2 |
| #2 | 4413.1 | 52561. | 5225.0 | 75.300 | 5022.3 |
| #3 | 4410.8 | 52684. | 5299.2 | 75.333 | 5016.2 |

Sample Name: K2762-19      Acquired: 5/10/2019 22:08:58      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06656 | .00720 | .29137 | -.01797 | .00248 | 242.16 | 2.5925 |
| Stddev | .00241 | .00219 | .00244 | .00155  | .00210 | 3.21   | .0343  |
| %RSD   | 3.6238 | 30.367 | .83874 | 8.6311  | 84.852 | 1.3240 | 1.3250 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .06506 | .00647 | .28869 | -.01738 | .00184 | 238.53 | 2.5541 |
| #2 | .06527 | .00547 | .29197 | -.01973 | .00077 | 244.60 | 2.6203 |
| #3 | .06934 | .00965 | .29347 | -.01680 | .00483 | 243.36 | 2.6032 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02153 | -.00409 | 13.399 | .20080 | .15902 | .29646 | 307.81 |
| Stddev | .00018 | .00037  | .016   | .00215 | .00022 | .00071 | 2.10   |
| %RSD   | .83301 | 9.0551  | .11774 | 1.0714 | .13713 | .24014 | .68368 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02133 | -.00367 | 13.382 | .19899 | .15896 | .29700 | 305.41 |
| #2 | .02162 | -.00430 | 13.413 | .20318 | .15884 | .29565 | 309.35 |
| #3 | .02165 | -.00432 | 13.401 | .20022 | .15926 | .29673 | 308.66 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 13.122 | 60.899 | .31585 | -.04197 | .63652 | .25149 | 1.2064 |
| Stddev | .027   | .938   | .00068 | .00135  | .01193 | .00388 | .0021  |
| %RSD   | .20872 | 1.5401 | .21634 | 3.2192  | 1.8737 | 1.5445 | .17072 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 13.091 | 59.823 | .31558 | -.04066 | .62502 | .24782 | 1.2086 |
| #2 | 13.142 | 61.549 | .31534 | -.04336 | .64883 | .25556 | 1.2045 |
| #3 | 13.134 | 61.324 | .31663 | -.04189 | .63571 | .25109 | 1.2060 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6520 | -.00173 | .22324 | 4.4052 | 4.5624 | .02645 | .41051 |
| Stddev | .1077  | .00011  | .01150 | .0090  | .1625  | .00075 | .00367 |
| %RSD   | 1.4075 | 6.5426  | 5.1495 | .20425 | 3.5625 | 2.8440 | .89384 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.5343 | -.00165 | .22647 | 4.4149 | 4.7356 | .02559 | .40706 |
| #2 | 7.7458 | -.00169 | .23278 | 4.3970 | 4.5385 | .02696 | .41437 |
| #3 | 7.6757 | -.00186 | .21048 | 4.4038 | 4.4132 | .02681 | .41011 |

Sample Name: K2762-19      Acquired: 5/10/2019 22:08:58      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .35892 | F 13.81 | -.22697 | <.00000 | F<.00000 |
| Stddev    | .00138 | .03     | .00233  | .12772  | 4.2296   |
| %RSD      | .38522 | .1925   | 1.0278  | 6.5200  | .81916   |
| #1        | .35776 | 13.80   | -.22455 | -1.9837 | -517.30  |
| #2        | .35854 | 13.78   | -.22921 | -2.0724 | -519.99  |
| #3        | .36045 | 13.84   | -.22716 | -1.8206 | -511.70  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4848.2 | 57774.  | 6264.9  | 73.407  | 4289.7   |
| Stddev    | 5.6    | 510.    | 37.7    | 1.207   | 7.1      |
| %RSD      | .11570 | .88289  | .60202  | 1.6445  | .16590   |
| #1        | 4851.1 | 58363.  | 6222.0  | 72.680  | 4290.1   |
| #2        | 4851.8 | 57459.  | 6293.1  | 72.740  | 4296.6   |
| #3        | 4841.8 | 57501.  | 6279.4  | 74.800  | 4282.4   |

Sample Name: K2762-20      Acquired: 5/10/2019 22:13:33      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .06306 | .00913 | .24550 | -.02184 | .00359 | 269.33 | 2.2266 |
| Stddev | .00448 | .00138 | .00041 | .00421  | .00333 | 1.04   | .0106  |
| %RSD   | 7.1051 | 15.082 | .16540 | 19.295  | 92.709 | .38516 | .47514 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .05820 | .00758 | .24505 | -.02639 | .00202 | 268.20 | 2.2157 |
| #2 | .06394 | .00962 | .24561 | -.01808 | .00133 | 270.23 | 2.2369 |
| #3 | .06703 | .01020 | .24583 | -.02103 | .00741 | 269.57 | 2.2272 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02322 | -.00395 | 8.0515 | .20227 | .19778 | .27306 | 334.05 |
| Stddev | .00023 | .00046  | .0408  | .00061 | .00061 | .00141 | 2.50   |
| %RSD   | .96926 | 11.610  | .50637 | .30065 | .30716 | .51537 | .74710 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02339 | -.00374 | 8.0123 | .20157 | .19709 | .27281 | 332.35 |
| #2 | .02331 | -.00447 | 8.0486 | .20256 | .19822 | .27179 | 336.91 |
| #3 | .02297 | -.00363 | 8.0937 | .20268 | .19803 | .27457 | 332.88 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 16.723 | 68.137 | .35991 | -.04719 | .84533 | .24685 | 1.1380 |
| Stddev | .116   | .324   | .00112 | .00064  | .00845 | .00267 | .0005  |
| %RSD   | .69428 | .47566 | .31006 | 1.3621  | 1.0001 | 1.0809 | .04001 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 16.646 | 67.763 | .35959 | -.04767 | .83778 | .24981 | 1.1384 |
| #2 | 16.856 | 68.304 | .35899 | -.04646 | .85446 | .24462 | 1.1380 |
| #3 | 16.666 | 68.343 | .36115 | -.04744 | .84375 | .24612 | 1.1375 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.8956 | -.00244 | .23641 | 2.5606 | 7.0791 | .01710 | .49380 |
| Stddev | .0303  | .00039  | .00694 | .0043  | .0732  | .00060 | .01730 |
| %RSD   | .43943 | 15.795  | 2.9353 | .16923 | 1.0345 | 3.4894 | 3.5034 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 6.8779 | -.00248 | .22987 | 2.5624 | 7.1634 | .01773 | .47388 |
| #2 | 6.9306 | -.00204 | .23568 | 2.5557 | 7.0316 | .01654 | .50506 |
| #3 | 6.8784 | -.00281 | .24369 | 2.5638 | 7.0422 | .01705 | .50246 |

Sample Name: K2762-20      Acquired: 5/10/2019 22:13:33      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |         |          |
|--------|--------|--------|---------|---------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg    | .36451 | 9.722  | -.29060 | <.00000 | F<.00000 |
| Stddev | .00363 | .015   | .00298  | .18895  | 5.8835   |
| %RSD   | .99512 | .1513  | 1.0264  | 11.385  | 1.0248   |

|    |        |       |         |         |         |
|----|--------|-------|---------|---------|---------|
| #1 | .36042 | 9.720 | -.28888 | -1.4734 | -572.42 |
| #2 | .36576 | 9.709 | -.29405 | -1.8512 | -569.24 |
| #3 | .36734 | 9.738 | -.28888 | -1.6546 | -580.64 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4832.9 | 56878. | 6253.3 | 71.991 | 4232.7 |
| Stddev    | 15.3   | 131.   | 19.4   | .502   | 7.3    |
| %RSD      | .31670 | .22980 | .30996 | .69748 | .17352 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4817.3 | 56922. | 6231.9 | 72.571 | 4224.2 |
| #2 | 4847.9 | 56732. | 6258.1 | 71.701 | 4237.2 |
| #3 | 4833.4 | 56982. | 6269.8 | 71.702 | 4236.6 |

Sample Name: K2762-21      Acquired: 5/10/2019 22:18:08      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07447 | .01020 | .20404 | -.02434 | .00053 | 272.55 | 1.6454 |
| Stddev | .00193 | .00188 | .00356 | .00278  | .00078 | 1.04   | .0081  |
| %RSD   | 2.5918 | 18.411 | 1.7443 | 11.443  | 147.17 | .38304 | .49476 |

|    |        |        |        |         |         |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|
| #1 | .07375 | .00968 | .20118 | -.02113 | -.00020 | 271.35 | 1.6365 |
| #2 | .07300 | .01228 | .20291 | -.02569 | .00045  | 273.08 | 1.6472 |
| #3 | .07666 | .00864 | .20803 | -.02618 | .00136  | 273.23 | 1.6525 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02289 | .00000 | 19.811 | .20551 | .20692 | .33364 | 324.33 |
| Stddev | .00021 | .00060 | .161   | .00085 | .00263 | .00382 | .86    |
| %RSD   | .90190 | 12257. | .81346 | .41394 | 1.2699 | 1.1446 | .26600 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .02304 | -.00051 | 19.994 | .20648 | .20530 | .32999 | 325.13 |
| #2 | .02297 | -.00014 | 19.689 | .20491 | .20552 | .33334 | 323.42 |
| #3 | .02265 | .00067  | 19.751 | .20513 | .20996 | .33761 | 324.44 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 14.286 | 78.904 | .40416 | -.04721 | .92376 | .22397 | 1.1731 |
| Stddev | .045   | .458   | .00477 | .00062  | .00445 | .00061 | .0133  |
| %RSD   | .31367 | .58046 | 1.1808 | 1.3165  | .48192 | .27123 | 1.1348 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 14.291 | 78.450 | .40178 | -.04711 | .92680 | .22328 | 1.1653 |
| #2 | 14.238 | 78.895 | .40104 | -.04788 | .91865 | .22418 | 1.1655 |
| #3 | 14.328 | 79.366 | .40965 | -.04665 | .92583 | .22444 | 1.1885 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.7333 | -.00317 | .22894 | 1.5039 | 6.1825 | .01964 | .50527 |
| Stddev | .0617  | .00039  | .01004 | .0100  | .1883  | .00168 | .01057 |
| %RSD   | .79735 | 12.328  | 4.3841 | .66600 | 3.0461 | 8.5567 | 2.0916 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.6726 | -.00303 | .21797 | 1.4993 | 6.3890 | .01783 | .51605 |
| #2 | 7.7959 | -.00288 | .23765 | 1.4970 | 6.1384 | .01995 | .50483 |
| #3 | 7.7314 | -.00361 | .23121 | 1.5154 | 6.0202 | .02115 | .49493 |

Sample Name: K2762-21      Acquired: 5/10/2019 22:18:08      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: P021-SS004-0      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .44242 | F 12.90 | -.23126 | <.00000 | F<.00000 |
| Stddev    | .00282 | .15     | .00102  | .06790  | 6.4602   |
| %RSD      | .63823 | 1.132   | .43936  | 2.0808  | 1.0489   |
| #1        | .44401 | 12.84   | -.23208 | -3.3274 | -608.47  |
| #2        | .44409 | 12.79   | -.23012 | -3.2705 | -619.94  |
| #3        | .43916 | 13.06   | -.23158 | -3.1922 | -619.36  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 5088.7 | 60338.  | 6688.5  | 72.813  | 4153.8   |
| Stddev    | 38.1   | 154.    | 93.9    | 2.413   | 38.0     |
| %RSD      | .74827 | .25545  | 1.4034  | 3.3139  | .91416   |
| #1        | 5127.8 | 60168.  | 6585.5  | 71.523  | 4182.3   |
| #2        | 5086.7 | 60470.  | 6710.8  | 71.321  | 4168.5   |
| #3        | 5051.7 | 60375.  | 6769.2  | 75.597  | 4110.7   |

Sample Name: K2642-04      Acquired: 5/10/2019 22:22:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00055 | -.00573 | .00473 | .00349 | .00179 | .17917 | .08714 | .00005 |
| Stddev | .00172 | .00103  | .00024 | .00147 | .00133 | .01339 | .00029 | .00001 |
| %RSD   | 312.72 | 17.916  | 5.0346 | 42.031 | 74.397 | 7.4707 | .32796 | 28.314 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00086 | -.00658 | .00495 | .00516 | .00036 | .18368 | .08738 | .00007 |
| #2 | .00005  | -.00459 | .00448 | .00243 | .00203 | .18972 | .08722 | .00005 |
| #3 | .00247  | -.00603 | .00477 | .00288 | .00299 | .16412 | .08683 | .00004 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | 21.143 | .00032 | .00671 | .00559 | .87551 | .52760 | 2.6128 |
| Stddev | .00008  | .011   | .00007 | .00005 | .00018 | .00275 | .00073 | .0053  |
| %RSD   | 398.41  | .05126 | 21.322 | .70102 | 3.2714 | .31419 | .13825 | .20342 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 21.131 | .00026 | .00673 | .00557 | .87338 | .52704 | 2.6118 |
| #2 | -.00010 | 21.146 | .00039 | .00666 | .00542 | .87861 | .52842 | 2.6080 |
| #3 | .00006  | 21.152 | .00031 | .00675 | .00578 | .87452 | .52733 | 2.6185 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00403 | -.00017 | 491.39 | -.00136 | .02537 | 1.0487 | .00008 | .02580 |
| Stddev | .00042 | .00042  | 2.00   | .00042  | .00004 | .0456  | .00011 | .01230 |
| %RSD   | 10.512 | 250.69  | .40613 | 30.926  | .16317 | 4.3437 | 137.10 | 47.683 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00452 | -.00004 | 491.94 | -.00132 | .02536 | 1.0262 | .00018  | .03864 |
| #2 | .00378 | .00017  | 489.18 | -.00180 | .02541 | 1.0187 | .00008  | .02466 |
| #3 | .00379 | -.00063 | 493.05 | -.00096 | .02533 | 1.1011 | -.00003 | .01411 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21365 | .63857 | .00097 | .00127 | .00143 | .0116  | .05161 | 3.9587 |
| Stddev | .00610 | .00909 | .00075 | .00210 | .00147 | .0017  | .00019 | .0745  |
| %RSD   | 2.8556 | 1.4233 | 77.281 | 165.64 | 102.94 | 14.75  | .36361 | 1.8823 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .21361 | .64638 | .00102 | .00361  | -.00020 | .0120 | .05181 | 3.9994 |
| #2 | .20757 | .62859 | .00019 | -.00047 | .00267  | .0097 | .05158 | 3.8727 |
| #3 | .21977 | .64074 | .00168 | .00067  | .00181  | .0131 | .05144 | 4.0040 |

Sample Name: K2642-04      Acquired: 5/10/2019 22:22:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-03-050919      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      13.952  
 Stddev      2.592  
 %RSD      18.579

#1      11.036  
 #2      14.825  
 #3      15.996

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4083.2 | 48155. | 5203.7 | 72.364 | 4263.5 |
| Stddev    | 10.5   | 85.    | 29.3   | .606   | 11.8   |
| %RSD      | .25629 | .17690 | .56329 | .83792 | .27645 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4092.8 | 48110. | 5173.3 | 72.817 | 4276.9 |
| #2 | 4084.7 | 48101. | 5206.1 | 72.600 | 4254.6 |
| #3 | 4072.1 | 48253. | 5231.8 | 71.675 | 4259.1 |

Sample Name: K2642-04DUP      Acquired: 5/10/2019 22:27:18      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00078 | -.00826 | .00549 | .00268 | .00238 | .18041 | .08555 | .00006 |
| Stddev | .00206 | .00075  | .00067 | .00093 | .00259 | .01154 | .00063 | .00008 |
| %RSD   | 263.05 | 9.1119  | 12.230 | 34.698 | 109.10 | 6.3983 | .73938 | 127.24 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00163  | -.00886 | .00528 | .00287 | -.00027 | .17610 | .08627 | .00010  |
| #2 | .00227  | -.00742 | .00625 | .00167 | .00491  | .17164 | .08529 | -.00003 |
| #3 | -.00156 | -.00852 | .00496 | .00350 | .00249  | .19348 | .08508 | .00011  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 20.862 | .00014 | .00644 | .00579 | .85542 | .51956 | 2.6644 |
| Stddev | .00008  | .049   | .00020 | .00029 | .00026 | .00967 | .00091 | .0251  |
| %RSD   | 303.05  | .23702 | 146.18 | 4.4752 | 4.5470 | 1.1306 | .17609 | .94124 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00010 | 20.810 | .00004 | .00631 | .00567 | .86603 | .51895 | 2.6472 |
| #2 | -.00005 | 20.866 | .00037 | .00677 | .00609 | .84710 | .51912 | 2.6932 |
| #3 | .00006  | 20.909 | .00001 | .00623 | .00560 | .85312 | .52061 | 2.6530 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00398 | .00000 | 484.34 | -.00156 | .02468 | 1.0735 | .00007 | .03259 |
| Stddev | .00036 | .00072 | .46    | .00019  | .00027 | .0140  | .00034 | .01290 |
| %RSD   | 9.1407 | 16427. | .09596 | 12.251  | 1.0805 | 1.3016 | 481.15 | 39.578 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00439 | .00061  | 483.88 | -.00178 | .02472 | 1.0675 | .00043  | .04480 |
| #2 | .00374 | .00020  | 484.81 | -.00149 | .02439 | 1.0894 | .00002  | .01910 |
| #3 | .00380 | -.00079 | 484.34 | -.00141 | .02492 | 1.0635 | -.00024 | .03387 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20521 | .62182 | .00067 | .00129 | .00641 | .0092  | .05089 | 3.5102 |
| Stddev | .00416 | .00464 | .00050 | .00109 | .00144 | .0009  | .00008 | .3222  |
| %RSD   | 2.0258 | .74624 | 75.732 | 84.509 | 22.432 | 9.223  | .16683 | 9.1802 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .20343 | .62709 | .00009 | .00019 | .00480 | .0102 | .05084 | 3.1386 |
| #2 | .20225 | .62001 | .00102 | .00130 | .00686 | .0085 | .05099 | 3.6792 |
| #3 | .20996 | .61836 | .00088 | .00236 | .00757 | .0090 | .05084 | 3.7127 |

Sample Name: K2642-04DUP      Acquired: 5/10/2019 22:27:18      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-03-050919 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 12.677 |
| Stddev | 2.960  |
| %RSD   | 23.347 |

|    |        |
|----|--------|
| #1 | 15.586 |
| #2 | 9.6697 |
| #3 | 12.773 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4070.4 | 47596. | 5191.9 | 73.239 | 4248.3 |
| Stddev    | 10.8   | 106.   | 6.8    | .574   | 9.4    |
| %RSD      | .26435 | .22169 | .13094 | .78373 | .22233 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4060.7 | 47487. | 5199.7 | 73.308 | 4238.8 |
| #2 | 4068.7 | 47604. | 5187.2 | 73.775 | 4248.5 |
| #3 | 4082.0 | 47697. | 5188.8 | 72.633 | 4257.7 |

Sample Name: K2642-04LX5      Acquired: 5/10/2019 22:31:53      Type: Unk  
Method: P4-ICP2(v3107)      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    | -.00038 | -.00295 | .00190 | -.00115 | .00290 | .02774 | .01673 | .00005 |
| Stddev | .00285  | .00118  | .00105 | .00379  | .00076 | .00569 | .00068 | .00007 |
| %RSD   | 754.76  | 40.016  | 55.437 | 329.53  | 26.078 | 20.521 | 4.0457 | 141.64 |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00246 | -.00340 | .00079 | -.00228 | .00232 | .03430 | .01677 | -.00001 |
| #2 | .00287  | -.00384 | .00201 | -.00424 | .00261 | .02411 | .01604 | .00013  |
| #3 | -.00154 | -.00161 | .00289 | .00307  | .00375 | .02481 | .01739 | .00004  |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00009 | 4.3658 | .00012 | .00117 | -.00001 | .17819 | .10926 | .53140 |
| Stddev | .00010  | .0174  | .00015 | .00020 | .00031  | .00017 | .00028 | .06965 |
| %RSD   | 115.17  | .39878 | 118.89 | 16.771 | 4611.4  | .09558 | .25455 | 13.106 |

|    |         |        |         |        |         |        |        |        |
|----|---------|--------|---------|--------|---------|--------|--------|--------|
| #1 | -.00016 | 4.3545 | .00019  | .00112 | .00004  | .17829 | .10950 | .60906 |
| #2 | -.00014 | 4.3570 | .00022  | .00101 | -.00034 | .17829 | .10934 | .51066 |
| #3 | .00003  | 4.3859 | -.00004 | .00139 | .00027  | .17799 | .10896 | .47448 |

|        |        |        |        |         |        |        |         |         |
|--------|--------|--------|--------|---------|--------|--------|---------|---------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     |
| Avg    | .00032 | .00043 | 97.081 | -.00004 | .00548 | .16109 | -.00002 | -.00613 |
| Stddev | .00035 | .00030 | .370   | .00015  | .00006 | .02577 | .00014  | .00422  |
| %RSD   | 107.64 | 69.388 | .38118 | 367.81  | 1.0093 | 15.995 | 770.79  | 68.802  |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | .00011 | .00021 | 96.673 | .00005  | .00541 | .18998 | -.00015 | -.00694 |
| #2 | .00072 | .00031 | 97.175 | .00004  | .00551 | .15281 | .00013  | -.00156 |
| #3 | .00013 | .00077 | 97.395 | -.00021 | .00551 | .14049 | -.00004 | -.00987 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03282 | .13749 | -.00099 | -.00100 | .00291 | .0042  | .01056 | 2.0117 |
| Stddev | .00352 | .00343 | .00067  | .00122  | .00129 | .0005  | .00003 | .2635  |
| %RSD   | 10.737 | 2.4912 | 67.645  | 121.61  | 44.415 | 12.51  | .29650 | 13.096 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .03615 | .13805 | -.00028 | .00026  | .00176 | .0039 | .01059 | 1.7077 |
| #2 | .02913 | .14060 | -.00162 | -.00109 | .00431 | .0039 | .01053 | 2.1728 |
| #3 | .03319 | .13382 | -.00108 | -.00217 | .00265 | .0048 | .01056 | 2.1546 |

Sample Name: K2642-04LX5      Acquired: 5/10/2019 22:31:53      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 3.8110 |
| Stddev | 1.5648 |
| %RSD   | 41.060 |

|    |        |
|----|--------|
| #1 | 2.4131 |
| #2 | 3.5184 |
| #3 | 5.5014 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4253.7 | 50369. | 5214.9 | 75.570 | 4596.0 |
| Stddev    | 18.0   | 135.   | 56.2   | 2.402  | 8.1    |
| %RSD      | .42239 | .26746 | 1.0784 | 3.1782 | .17715 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4254.5 | 50299. | 5187.8 | 74.043 | 4594.6 |
| #2 | 4271.3 | 50284. | 5177.4 | 74.329 | 4604.8 |
| #3 | 4235.4 | 50524. | 5279.6 | 78.338 | 4588.7 |

Sample Name: K2642-04MS      Acquired: 5/10/2019 22:36:21      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919      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    | .77992 | 1.9118 | .95360 | 2.0330 | .76193 | 2.0621 | .25300 | .19428 | .19810 |
| Stddev | .00291 | .0145  | .00375 | .0040  | .00465 | .0208  | .00248 | .00042 | .00059 |
| %RSD   | .37272 | .75674 | .39275 | .19872 | .60993 | 1.0075 | .98177 | .21637 | .29568 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77896 | 1.9165 | .95289 | 2.0371 | .76671 | 2.0799 | .25574 | .19399 | .19804 |
| #2 | .77761 | 1.8956 | .95026 | 2.0290 | .75743 | 2.0671 | .25234 | .19476 | .19755 |
| #3 | .78318 | 1.9234 | .95765 | 2.0331 | .76164 | 2.0393 | .25090 | .19407 | .19872 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.320 | .41289 | .20295 | .29447 | 3.6062 | .52815 | 3.6013 | .50039 | .07081 |
| Stddev | .069   | .00222 | .00066 | .00178 | .0113  | .00094 | .0772  | .00125 | .00019 |
| %RSD   | .48505 | .53829 | .32514 | .60517 | .31442 | .17745 | 2.1432 | .25019 | .27347 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.241 | .41238 | .20312 | .29453 | 3.5972 | .52708 | 3.6755 | .50085 | .07097 |
| #2 | 14.350 | .41533 | .20222 | .29265 | 3.6189 | .52860 | 3.6070 | .49898 | .07059 |
| #3 | 14.370 | .41097 | .20350 | .29622 | 3.6025 | .52878 | 3.5214 | .50136 | .07085 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 303.20 | .31578 | .21105 | 11.040 | .40840 | .31666 | .11882 | 1.3006 | .68036 |
| Stddev | .17    | .00038 | .00084 | .121   | .00237 | .00604 | .00118 | .0249  | .00300 |
| %RSD   | .05623 | .11956 | .39944 | 1.0951 | .58015 | 1.9059 | .99433 | 1.9105 | .44081 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 303.20 | .31542 | .21113 | 11.178 | .40973 | .31588 | .11821 | 1.2776 | .68020 |
| #2 | 303.36 | .31618 | .21017 | 10.990 | .40566 | .31106 | .11807 | 1.2971 | .67745 |
| #3 | 303.02 | .31574 | .21184 | 10.952 | .40980 | .32305 | .12018 | 1.3270 | .68344 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19687 | .19943 | 5.994  | .22527 | 2.9990 | 1.9265 |
| Stddev | .00223 | .00193 | .027   | .00214 | .1643  | 1.3195 |
| %RSD   | 1.1337 | .96975 | .4498  | .95148 | 5.4800 | 68.493 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19467 | .19721 | 6.003 | .22280 | 3.1691 | .91369 |
| #2 | .19681 | .20071 | 5.963 | .22642 | 2.9867 | 1.4472 |
| #3 | .19913 | .20037 | 6.015 | .22660 | 2.8411 | 3.4188 |

Sample Name: K2642-04MS      Acquired: 5/10/2019 22:36:21      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919 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       | 4125.3 | 48389. | 5102.4 | 72.493 | 4342.3 |
| Stddev    | 14.0   | 257.   | 51.7   | .536   | 12.9   |
| %RSD      | .34040 | .53158 | 1.0128 | .73929 | .29752 |
| #1        | 4115.3 | 48198. | 5161.7 | 72.707 | 4343.1 |
| #2        | 4141.3 | 48287. | 5067.3 | 71.884 | 4354.8 |
| #3        | 4119.1 | 48681. | 5078.1 | 72.890 | 4329.0 |

Sample Name: K2642-04MSD      Acquired: 5/10/2019 22:40:38      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OK-03-050919      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    | .77000 | 1.8988 | .94240 | 2.0154 | .75403 | 2.0272 | .25370 | .19314 | .19622 |
| Stddev | .00452 | .0086  | .00790 | .0159  | .00551 | .0281  | .00195 | .00080 | .00159 |
| %RSD   | .58695 | .45056 | .83823 | .79084 | .73085 | 1.3879 | .77009 | .41329 | .81228 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77052 | 1.8940 | .93979 | 2.0297 | .75488 | 2.0031 | .25167 | .19240 | .19508 |
| #2 | .77424 | 1.9087 | .95128 | 2.0181 | .75906 | 2.0206 | .25557 | .19303 | .19804 |
| #3 | .76524 | 1.8938 | .93614 | 1.9982 | .74814 | 2.0581 | .25385 | .19399 | .19554 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.473 | .40731 | .20025 | .29152 | 3.5826 | .53002 | 3.5863 | .49679 | .06988 |
| Stddev | .025   | .00210 | .00156 | .00149 | .0130  | .00091 | .0381  | .00221 | .00076 |
| %RSD   | .17612 | .51625 | .78022 | .51219 | .36283 | .17076 | 1.0611 | .44501 | 1.0823 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.496 | .40502 | .19981 | .29235 | 3.5679 | .52926 | 3.5578 | .49556 | .06904 |
| #2 | 14.446 | .40776 | .20199 | .29241 | 3.5873 | .52978 | 3.6295 | .49934 | .07011 |
| #3 | 14.477 | .40916 | .19896 | .28979 | 3.5926 | .53102 | 3.5716 | .49546 | .07050 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 303.61 | .31447 | .20919 | 10.896 | .40451 | .30380 | .12043 | 1.2829 | .67125 |
| Stddev | 1.23   | .00121 | .00145 | .091   | .00147 | .01671 | .00262 | .0068  | .00693 |
| %RSD   | .40547 | .38572 | .69141 | .83708 | .36241 | 5.4990 | 2.1773 | .52956 | 1.0327 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 302.23 | .31330 | .20870 | 10.792 | .40418 | .28768 | .11928 | 1.2822 | .66882 |
| #2 | 304.59 | .31572 | .21082 | 10.936 | .40611 | .30269 | .12343 | 1.2765 | .67907 |
| #3 | 304.02 | .31439 | .20806 | 10.960 | .40323 | .32104 | .11859 | 1.2900 | .66586 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19480 | .19325 | 5.935  | .22420 | 3.6026 | 2.4061 |
| Stddev | .00172 | .00230 | .036   | .00072 | .1081  | 3.8187 |
| %RSD   | .88354 | 1.1907 | .6065  | .31957 | 2.9996 | 158.71 |

|    |        |        |       |        |        |         |
|----|--------|--------|-------|--------|--------|---------|
| #1 | .19328 | .19305 | 5.937 | .22455 | 3.7258 | 1.2117  |
| #2 | .19667 | .19105 | 5.970 | .22338 | 3.5584 | -.67256 |
| #3 | .19445 | .19564 | 5.898 | .22468 | 3.5237 | 6.6792  |

Sample Name: K2642-04MSD      Acquired: 5/10/2019 22:40:38      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OK-03-050919      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       | 4146.5 | 49165. | 5206.3 | 74.226 | 4364.1 |
| Stddev    | 8.4    | 206.   | 5.8    | 1.146  | 18.6   |
| %RSD      | .20255 | .41841 | .11137 | 1.5434 | .42574 |
| #1        | 4143.9 | 49395. | 5201.1 | 74.485 | 4377.1 |
| #2        | 4139.7 | 49000. | 5212.6 | 75.219 | 4342.8 |
| #3        | 4155.9 | 49100. | 5205.4 | 72.973 | 4372.4 |

Sample Name: K2642-04A      Acquired: 5/10/2019 22:44:55      Type: Unk  
Method: P4-ICP2(v3107)      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    | .76907 | 1.8700 | .93610 | 1.9884 | .74677 | 2.0377 | .25186 | .19106 | .19433 |
| Stddev | .00172 | .0050  | .00124 | .0003  | .00189 | .0109  | .00204 | .00079 | .00024 |
| %RSD   | .22395 | .26684 | .13300 | .01607 | .25367 | .53527 | .81066 | .41439 | .12553 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76722 | 1.8700 | .93701 | 1.9880 | .74813 | 2.0253 | .24992 | .19028 | .19461 |
| #2 | .77063 | 1.8750 | .93468 | 1.9886 | .74756 | 2.0458 | .25399 | .19104 | .19425 |
| #3 | .76935 | 1.8650 | .93660 | 1.9885 | .74460 | 2.0420 | .25167 | .19187 | .19414 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 14.550 | .40518 | .19773 | .28853 | 3.5561 | .52725 | 3.5905 | .49222 | .06943 |
| Stddev | .015   | .00167 | .00025 | .00148 | .0156  | .00080 | .0511  | .00092 | .00073 |
| %RSD   | .10029 | .41256 | .12801 | .51401 | .43736 | .15134 | 1.4224 | .18642 | 1.0578 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.533 | .40327 | .19800 | .28688 | 3.5398 | .52634 | 3.5335 | .49172 | .07007 |
| #2 | 14.560 | .40592 | .19750 | .28896 | 3.5577 | .52778 | 3.6321 | .49328 | .06863 |
| #3 | 14.556 | .40636 | .19769 | .28975 | 3.5708 | .52764 | 3.6059 | .49167 | .06959 |

|        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 302.75 | .31121 | .20658 | 10.970 | .40121 | .31772 | .12399 | 1.2798 | .66245 |
| Stddev | 2.41   | .00077 | .00047 | .050   | .00034 | .00856 | .00456 | .0123  | .00236 |
| %RSD   | .79502 | .24672 | .22835 | .45334 | .08450 | 2.6944 | 3.6740 | .95985 | .35618 |

|    |        |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 300.31 | .31170 | .20673 | 10.913 | .40085 | .30989 | .12049 | 1.2855 | .66504 |
| #2 | 305.13 | .31033 | .20696 | 10.991 | .40152 | .32686 | .12234 | 1.2657 | .66191 |
| #3 | 302.80 | .31161 | .20605 | 11.005 | .40128 | .31641 | .12914 | 1.2882 | .66041 |

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19503 | .19519 | 5.851  | .22292 | 3.2285 | 1.8452 |
| Stddev | .00160 | .00231 | .003   | .00147 | .1165  | 2.1920 |
| %RSD   | .81823 | 1.1853 | .0572  | .66041 | 3.6090 | 118.79 |

|    |        |        |       |        |        |        |
|----|--------|--------|-------|--------|--------|--------|
| #1 | .19642 | .19318 | 5.848 | .22461 | 3.3448 | .52504 |
| #2 | .19539 | .19467 | 5.854 | .22215 | 3.2289 | 4.3755 |
| #3 | .19329 | .19772 | 5.850 | .22199 | 3.1118 | .63508 |

Sample Name: K2642-04A      Acquired: 5/10/2019 22:44:55      Type: Unk  
Method: P4-ICP2(v3107)      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       | 4143.3 | 48829. | 5144.1 | 73.901 | 4370.9 |
| Stddev    | 14.3   | 124.   | 26.9   | 1.342  | 15.3   |
| %RSD      | .34631 | .25428 | .52233 | 1.8155 | .35080 |
| #1        | 4127.3 | 48939. | 5121.0 | 75.427 | 4354.2 |
| #2        | 4147.5 | 48694. | 5173.6 | 72.906 | 4374.2 |
| #3        | 4155.0 | 48852. | 5137.7 | 73.369 | 4384.3 |

Sample Name: K2647-06      Acquired: 5/10/2019 22:49:12      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | -.00495 | .00154 | .00401 | .00097 | .13503 | .09406 | .00004 |
| Stddev | .00083 | .00136  | .00046 | .00225 | .00079 | .01619 | .00098 | .00003 |
| %RSD   | 4118.8 | 27.423  | 29.921 | 56.013 | 81.202 | 11.987 | 1.0433 | 87.794 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00060 | -.00403 | .00105 | .00147 | .00182 | .12727 | .09339 | .00007 |
| #2 | .00097  | -.00651 | .00196 | .00483 | .00083 | .15364 | .09519 | .00001 |
| #3 | -.00030 | -.00431 | .00161 | .00574 | .00027 | .12419 | .09361 | .00003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 31.378 | .00028 | .00700 | .00598 | .15728 | .75731 | 2.6104 |
| Stddev | .00006 | .108   | .00009 | .00019 | .00029 | .00063 | .00154 | .0774  |
| %RSD   | 196.52 | .34283 | 32.542 | 2.7733 | 4.9313 | .40302 | .20304 | 2.9638 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00003 | 31.358 | .00038 | .00722 | .00592 | .15741 | .75557 | 2.5802 |
| #2 | .00010  | 31.282 | .00027 | .00693 | .00630 | .15659 | .75848 | 2.6983 |
| #3 | .00002  | 31.494 | .00019 | .00685 | .00572 | .15784 | .75787 | 2.5526 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00202 | -.00009 | 303.15 | -.00235 | .02615 | .91081 | -.00004 | .02452 |
| Stddev | .00039 | .00032  | 2.51   | .00078  | .00038 | .02603 | .00030  | .00705 |
| %RSD   | 19.291 | 370.20  | .82861 | 33.067  | 1.4435 | 2.8579 | 782.57  | 28.740 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00182 | -.00040 | 300.25 | -.00295 | .02602 | .88126 | -.00001 | .02531 |
| #2 | .00247 | .00023  | 304.63 | -.00264 | .02658 | .92079 | .00025  | .01711 |
| #3 | .00177 | -.00009 | 304.57 | -.00147 | .02586 | .93037 | -.00035 | .03113 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .37992 | 1.4189 | -.00013 | -.00005 | .00194 | .0095  | .13923 | 3.0473 |
| Stddev | .00468 | .0256  | .00084  | .00210  | .00060 | .0009  | .00050 | .1249  |
| %RSD   | 1.2314 | 1.8032 | 632.79  | 4420.3  | 30.845 | 9.017  | .36265 | 4.0972 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .38020 | 1.4274 | -.00013 | .00017  | .00127 | .0085 | .13971 | 2.9553 |
| #2 | .38445 | 1.3901 | -.00097 | -.00225 | .00242 | .0101 | .13870 | 3.1894 |
| #3 | .37511 | 1.4392 | .00071  | .00193  | .00214 | .0098 | .13927 | 2.9972 |

Sample Name: K2647-06      Acquired: 5/10/2019 22:49:12      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      11.085  
 Stddev      1.444  
 %RSD      13.028

#1      12.730  
 #2      10.025  
 #3      10.499

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4132.2 | 48751. | 5200.1 | 74.208 | 4371.0 |
| Stddev    | 4.6    | 73.    | 74.4   | .327   | 1.5    |
| %RSD      | .11243 | .15017 | 1.4303 | .44054 | .03513 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4136.1 | 48685. | 5172.3 | 74.358 | 4369.2 |
| #2 | 4127.0 | 48737. | 5284.4 | 73.833 | 4371.9 |
| #3 | 4133.4 | 48830. | 5143.7 | 74.433 | 4371.9 |

Sample Name: CCV11      Acquired: 5/10/2019 22:53:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8202      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9789 | 5.0397 | 4.8466 | 5.0533 | 4.9115 | 9.8487 | 9.6092 | .24885   |
| Stddev | .0074  | .0077  | .0158  | .0076  | .0130  | .1483  | .0552  | .00028   |
| %RSD   | .14814 | .15268 | .32603 | .15128 | .26406 | 1.5058 | .57426 | .11122   |
| #1     | 4.9722 | 5.0314 | 4.8293 | 5.0462 | 4.9094 | 9.7574 | 9.6043 | .24863   |
| #2     | 4.9777 | 5.0413 | 4.8503 | 5.0614 | 4.8997 | 9.7688 | 9.6666 | .24877   |
| #3     | 4.9868 | 5.0465 | 4.8602 | 5.0525 | 4.9253 | 10.020 | 9.5566 | .24916   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4708 | 26.262 | 1.0259 | 2.4637 | 1.2336 | 5.1462 | 2.5217 | 24.960   |
| Stddev | .0027  | .010   | .0040  | .0047  | .0014  | .0113  | .0053  | .352     |
| %RSD   | .10893 | .03746 | .38902 | .18974 | .11334 | .22010 | .20831 | 1.4121   |
| #1     | 2.4709 | 26.272 | 1.0232 | 2.4606 | 1.2352 | 5.1453 | 2.5196 | 24.660   |
| #2     | 2.4681 | 26.261 | 1.0241 | 2.4613 | 1.2324 | 5.1354 | 2.5178 | 24.871   |
| #3     | 2.4735 | 26.253 | 1.0305 | 2.4690 | 1.2332 | 5.1580 | 2.5277 | 25.348   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5007 | 1.2646 | 24.444 | 2.5718 | 2.4216 | 25.350 | 5.1135 | 4.9898   |
| Stddev | .0027  | .0053  | .134   | .0094  | .0039  | .168   | .0057  | .0858    |
| %RSD   | .10707 | .42277 | .54945 | .36598 | .16239 | .66299 | .11174 | 1.7196   |
| #1     | 2.5011 | 1.2608 | 24.339 | 2.5630 | 2.4179 | 25.171 | 5.1170 | 4.8967   |
| #2     | 2.4979 | 1.2624 | 24.398 | 2.5706 | 2.4213 | 25.376 | 5.1069 | 5.0072   |
| #3     | 2.5032 | 1.2707 | 24.595 | 2.5817 | 2.4257 | 25.504 | 5.1165 | 5.0656   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1870 | 5.1782 | 5.0036 | 5.0704 | 4.9899 | 5.165  | 5.0780 | F 3.0565 |
| Stddev | .0193  | .0440  | .0066  | .0109  | .0348  | .020   | .0330  | .0583    |
| %RSD   | .37167 | .85019 | .13273 | .21501 | .69738 | .3771  | .64986 | 1.9064   |
| #1     | 5.1678 | 5.2179 | 4.9987 | 5.0604 | 4.9979 | 5.143  | 5.0990 | 2.9892   |
| #2     | 5.1868 | 5.1858 | 5.0010 | 5.0821 | 5.0200 | 5.179  | 5.0951 | 3.0906   |
| #3     | 5.2064 | 5.1309 | 5.0111 | 5.0688 | 4.9518 | 5.174  | 5.0400 | 3.0897   |

Sample Name: CCV11      Acquired: 5/10/2019 22:53:47      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA8202      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 3.2536  
Stddev      1.4789  
%RSD      45.453

#1      2.5671  
#2      2.2427  
#3      4.9509

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4197.2 | 49668. | 5105.8 | 72.422 | 4430.1 |
| Stddev    | 6.7    | 112.   | 51.8   | 1.005  | 4.1    |
| %RSD      | .16048 | .22617 | 1.0149 | 1.3879 | .09169 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4189.6 | 49684. | 5065.7 | 72.600 | 4425.4 |
| #2 | 4202.3 | 49772. | 5087.5 | 71.340 | 4431.8 |
| #3 | 4199.8 | 49549. | 5164.3 | 73.326 | 4433.0 |

Sample Name: CCB11      Acquired: 5/10/2019 22:57:55      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB8202      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |         |        |
|--------|---------|---------|--------|--------|--------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961  | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00005 | -.00037 | .00078 | .00125 | .00226 | -.01450 | .00066 |
| Stddev | .00237  | .00080  | .00077 | .00037 | .00196 | .00739  | .00030 |
| %RSD   | 5031.4  | 214.77  | 99.730 | 30.018 | 86.873 | 50.966  | 44.884 |

|    |         |         |        |        |        |         |        |
|----|---------|---------|--------|--------|--------|---------|--------|
| #1 | -.00147 | -.00045 | .00068 | .00083 | .00012 | -.00674 | .00056 |
| #2 | -.00135 | .00046  | .00005 | .00155 | .00397 | -.02146 | .00043 |
| #3 | .00269  | -.00113 | .00159 | .00136 | .00269 | -.01530 | .00100 |

|        |        |        |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00002 | .00000 | -.00480 | -.00008 | -.00018 | -.00152 | .00108 |
| Stddev | .00009 | .00003 | .00608  | .00025  | .00025  | .00027  | .00051 |
| %RSD   | 417.37 | 1598.0 | 126.69  | 320.72  | 138.88  | 17.824  | 47.744 |

|    |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00011  | .00001  | -.00311 | .00016  | -.00042 | -.00121 | .00131 |
| #2 | -.00007 | -.00003 | .00026  | -.00034 | -.00022 | -.00171 | .00049 |
| #3 | .00002  | .00002  | -.01154 | -.00006 | .00009  | -.00164 | .00144 |

|        |        |         |        |        |         |         |         |
|--------|--------|---------|--------|--------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790  | Ni2316 | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00013 | -.06784 | .00021 | .00037 | -.03726 | -.00005 | -.00044 |
| Stddev | .00009 | .00220  | .00012 | .00033 | .00966  | .00019  | .00007  |
| %RSD   | 65.859 | 3.2457  | 59.791 | 89.332 | 25.915  | 389.22  | 14.818  |

|    |        |         |        |         |         |         |         |
|----|--------|---------|--------|---------|---------|---------|---------|
| #1 | .00006 | -.07012 | .00012 | .00062  | -.03949 | -.00027 | -.00041 |
| #2 | .00023 | -.06769 | .00016 | .00051  | -.02669 | .00003  | -.00052 |
| #3 | .00011 | -.06572 | .00035 | -.00001 | -.04561 | .00009  | -.00041 |

|        |         |        |        |         |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | K_7664  | Mo2020 | B_2496 | S_1820  | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.08012 | .00046 | .01493 | -.00657 | .00263 | .00116 | .00003 |
| Stddev | .02385  | .00021 | .01050 | .00101  | .00006 | .00025 | .00170 |
| %RSD   | 29.763  | 46.212 | 70.346 | 15.407  | 2.2588 | 21.128 | 5304.3 |

|    |         |        |        |         |        |        |         |
|----|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.08553 | .00043 | .01981 | -.00547 | .00270 | .00123 | .00056  |
| #2 | -.05404 | .00068 | .02210 | -.00746 | .00263 | .00137 | .00140  |
| #3 | -.10080 | .00026 | .00287 | -.00678 | .00258 | .00089 | -.00187 |

Sample Name: CCB11      Acquired: 5/10/2019 22:57:55      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB8202      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00073 | .0013  | .00015 | F 2.0745 | F<.00000 |
| Stddev | .00102  | .0008  | .00005 | .1666    | 1.7465   |
| %RSD   | 139.34  | 62.39  | 36.000 | 8.0294   | 418.90   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00125 | .0021 | .00016 | 2.0137 | 1.5420  |
| #2 | -.00138 | .0014 | .00009 | 1.9469 | -1.8114 |
| #3 | .00044  | .0005 | .00020 | 2.2629 | -.98146 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4383.3 | 52393. | 5222.7 | 74.836 | 4986.1 |
| Stddev    | 25.0   | 67.    | 52.8   | 2.199  | 20.2   |
| %RSD      | .57053 | .12873 | 1.0109 | 2.9384 | .40454 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4366.0 | 52315. | 5193.1 | 77.375 | 4973.7 |
| #2 | 4412.0 | 52429. | 5283.7 | 73.600 | 5009.3 |
| #3 | 4371.9 | 52435. | 5191.4 | 73.533 | 4975.1 |

Sample Name: K2647-08      Acquired: 5/10/2019 23:02:24      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00187 | -.00386 | .00686 | .00270 | .00085 | .22445 | .11027 | .00006 |
| Stddev | .00333  | .00034  | .00090 | .00456 | .00050 | .01308 | .00067 | .00003 |
| %RSD   | 178.27  | 8.8032  | 13.142 | 169.14 | 58.708 | 5.8291 | .60359 | 51.165 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00061 | -.00405 | .00748 | -.00107 | .00124 | .23881 | .11091 | .00009 |
| #2 | -.00564 | -.00347 | .00583 | .00139  | .00029 | .22131 | .10958 | .00004 |
| #3 | .00065  | -.00407 | .00728 | .00777  | .00103 | .21321 | .11031 | .00004 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00004 | 38.941 | .00026 | .00746 | .00554 | .37592 | .93058 | 2.9659 |
| Stddev | .00004 | .063   | .00030 | .00023 | .00024 | .00094 | .00168 | .0472  |
| %RSD   | 122.89 | .16123 | 114.07 | 3.0953 | 4.2940 | .25087 | .18024 | 1.5915 |

|    |         |        |         |        |        |        |        |        |
|----|---------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00003  | 38.868 | .00024  | .00742 | .00569 | .37492 | .93133 | 2.9215 |
| #2 | .00008  | 38.979 | -.00002 | .00726 | .00567 | .37679 | .92866 | 2.9607 |
| #3 | -.00001 | 38.974 | .00057  | .00771 | .00527 | .37605 | .93175 | 3.0155 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00282 | -.00025 | 307.72 | -.00297 | .02076 | .59440 | -.00003 | .02362 |
| Stddev | .00016 | .00036  | 1.15   | .00037  | .00004 | .04376 | .00021  | .00638 |
| %RSD   | 5.5819 | 143.17  | .37262 | 12.371  | .21400 | 7.3613 | 718.18  | 27.019 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00292 | -.00007 | 307.22 | -.00256 | .02076 | .63445 | .00020  | .03092 |
| #2 | .00291 | -.00068 | 306.92 | -.00326 | .02071 | .60104 | -.00022 | .01906 |
| #3 | .00264 | -.00002 | 309.04 | -.00310 | .02080 | .54770 | -.00007 | .02089 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .45928 | 1.8858 | .00072 | .00211 | .00250 | .0048  | .16933 | 3.2185 |
| Stddev | .00502 | .0096  | .00059 | .00240 | .00104 | .0009  | .00014 | .1390  |
| %RSD   | 1.0921 | .51065 | 81.553 | 113.73 | 41.582 | 18.58  | .08127 | 4.3192 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .45501 | 1.8774 | .00026 | .00201  | .00159 | .0059 | .16932 | 3.3472 |
| #2 | .45802 | 1.8963 | .00138 | .00456  | .00227 | .0044 | .16948 | 3.2373 |
| #3 | .46480 | 1.8838 | .00052 | -.00024 | .00363 | .0042 | .16920 | 3.0711 |

Sample Name: K2647-08      Acquired: 5/10/2019 23:02:24      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SU-02-050919      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.793 |
| Stddev | .990   |
| %RSD   | 8.3909 |

|    |        |
|----|--------|
| #1 | 10.650 |
| #2 | 12.364 |
| #3 | 12.364 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4129.5 | 48401. | 5146.3 | 71.914 | 4335.7 |
| Stddev    | 14.6   | 170.   | 19.7   | .629   | 4.2    |
| %RSD      | .35374 | .35132 | .38239 | .87490 | .09744 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4145.8 | 48580. | 5164.0 | 72.117 | 4338.9 |
| #2 | 4117.7 | 48382. | 5125.1 | 72.417 | 4330.9 |
| #3 | 4124.9 | 48242. | 5149.8 | 71.208 | 4337.3 |

Sample Name: K2770-03      Acquired: 5/10/2019 23:06:58      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OILY-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    | .00175 | -.00293 | .00016 | .00243 | .00256 | .09840 | .03696 | -.00001 |
| Stddev | .00127 | .00070  | .00070 | .00134 | .00140 | .01097 | .00034 | .00009  |
| %RSD   | 72.218 | 23.968  | 434.75 | 54.928 | 54.772 | 11.147 | .91793 | 1766.5  |

|    |        |         |         |        |        |        |        |         |
|----|--------|---------|---------|--------|--------|--------|--------|---------|
| #1 | .00182 | -.00351 | .00047  | .00192 | .00396 | .10986 | .03726 | .00005  |
| #2 | .00299 | -.00215 | -.00064 | .00395 | .00258 | .08800 | .03701 | .00005  |
| #3 | .00046 | -.00313 | .00065  | .00142 | .00115 | .09735 | .03659 | -.00011 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00016 | 9.5702 | .00036 | .00059 | .00047 | .31246 | .05263 | 4.5562 |
| Stddev | .00001  | .0560  | .00036 | .00012 | .00023 | .00087 | .00009 | .0849  |
| %RSD   | 6.5230  | .58531 | 99.433 | 20.534 | 48.895 | .27808 | .16495 | 1.8638 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00016 | 9.5065 | .00002 | .00045 | .00032 | .31337 | .05271 | 4.5053 |
| #2 | -.00015 | 9.5922 | .00032 | .00068 | .00073 | .31163 | .05254 | 4.6543 |
| #3 | -.00017 | 9.6119 | .00073 | .00062 | .00036 | .31239 | .05265 | 4.5092 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00161 | -.00031 | 247.97 | .00024 | .04735 | .25726 | .00028 | .00562 |
| Stddev | .00045 | .00019  | 1.48   | .00052 | .00030 | .00897 | .00021 | .01619 |
| %RSD   | 28.248 | 62.455  | .59561 | 217.89 | .63110 | 3.4861 | 75.647 | 288.36 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00156 | -.00011 | 246.27 | .00016  | .04767 | .26718 | .00046 | .01562  |
| #2 | .00118 | -.00032 | 248.77 | .00079  | .04729 | .25486 | .00031 | .01429  |
| #3 | .00208 | -.00049 | 248.89 | -.00024 | .04708 | .24973 | .00005 | -.01307 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08962 | .30424 | -.00078 | .00003 | .00221 | .0046  | .00728 | 2.8203 |
| Stddev | .00332 | .00165 | .00024  | .00087 | .00055 | .0013  | .00007 | .2186  |
| %RSD   | 3.7052 | .54142 | 31.247  | 3004.9 | 24.702 | 27.31  | .91904 | 7.7508 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .09283 | .30613 | -.00067 | -.00027 | .00268 | .0042 | .00722 | 2.8561 |
| #2 | .08983 | .30351 | -.00106 | -.00065 | .00161 | .0037 | .00735 | 3.0187 |
| #3 | .08620 | .30309 | -.00061 | .00101  | .00234 | .0061 | .00729 | 2.5859 |

Sample Name: K2770-03      Acquired: 5/10/2019 23:06:58      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OILY-STONES      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 8.8106 |
| Stddev | 2.5657 |
| %RSD   | 29.120 |

|    |        |
|----|--------|
| #1 | 9.5872 |
| #2 | 10.898 |
| #3 | 5.9464 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4157.4 | 49012. | 5121.0 | 73.917 | 4423.7 |
| Stddev    | 12.2   | 137.   | 21.3   | .904   | 17.7   |
| %RSD      | .29316 | .28010 | .41515 | 1.2234 | .40068 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4150.4 | 49045. | 5103.7 | 74.500 | 4413.7 |
| #2 | 4150.3 | 49129. | 5144.7 | 74.375 | 4413.1 |
| #3 | 4171.4 | 48861. | 5114.5 | 72.875 | 4444.1 |

Sample Name: K2770-06      Acquired: 5/10/2019 23:11:34      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SOIL-DRUM      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00021 | -.00417 | .00107 | .00386 | -.00045 | .03895 | .08636 | .00003 |
| Stddev | .00092 | .00073  | .00140 | .00103 | .00085  | .00509 | .00028 | .00003 |
| %RSD   | 437.60 | 17.608  | 131.07 | 26.752 | 190.39  | 13.078 | .32131 | 124.80 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00124  | -.00356 | .00029 | .00280 | .00054  | .03395 | .08647 | -.00001 |
| #2 | -.00054 | -.00498 | .00023 | .00391 | -.00093 | .03877 | .08657 | .00005  |
| #3 | -.00006 | -.00396 | .00269 | .00486 | -.00095 | .04413 | .08605 | .00004  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00000 | 33.862 | .00038 | .00126 | .00101 | .02383 | .16398 | 12.181 |
| Stddev | .00008  | .098   | .00033 | .00003 | .00039 | .00056 | .00143 | .039   |
| %RSD   | 5350.3  | .28857 | 87.522 | 2.4550 | 39.128 | 2.3501 | .87270 | .32304 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00005  | 33.796 | .00020 | .00123 | .00147 | .02321 | .16400 | 12.200 |
| #2 | .00004  | 33.816 | .00076 | .00127 | .00078 | .02428 | .16253 | 12.207 |
| #3 | -.00010 | 33.974 | .00018 | .00129 | .00078 | .02402 | .16540 | 12.136 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00141 | -.00007 | 225.78 | -.00018 | .01759 | 1.4763 | -.00025 | .02136 |
| Stddev | .00057 | .00066  | 2.22   | .00021  | .00008 | .0316  | .00029  | .00906 |
| %RSD   | 40.753 | 958.52  | .98469 | 114.90  | .46760 | 2.1386 | 118.66  | 42.411 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00176 | .00046  | 223.39 | -.00007 | .01752 | 1.4757 | -.00018 | .01144 |
| #2 | .00075 | -.00081 | 226.16 | -.00042 | .01758 | 1.5082 | .00001  | .02920 |
| #3 | .00172 | .00014  | 227.78 | -.00005 | .01768 | 1.4451 | -.00057 | .02344 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .66675 | 1.1442 | -.00030 | -.00134 | .00318 | .0093  | .05403 | 2.6857 |
| Stddev | .00708 | .0125  | .00051  | .00172  | .00055 | .0003  | .00022 | .2584  |
| %RSD   | 1.0626 | 1.0908 | 173.17  | 128.14  | 17.265 | 2.814  | .41400 | 9.6215 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .66431 | 1.1323 | .00020  | .00028  | .00270 | .0095 | .05387 | 2.8520 |
| #2 | .66120 | 1.1430 | -.00083 | -.00315 | .00378 | .0094 | .05428 | 2.8172 |
| #3 | .67473 | 1.1572 | -.00026 | -.00116 | .00305 | .0090 | .05393 | 2.3880 |

Sample Name: K2770-06      Acquired: 5/10/2019 23:11:34      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SOIL-DRUM      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      12.642  
 Stddev      1.106  
 %RSD      8.7483

#1      13.040  
 #2      13.493  
 #3      11.392

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4175.7 | 49299. | 5150.1 | 72.189 | 4447.1 |
| Stddev    | 4.5    | 208.   | 30.9   | .586   | 4.4    |
| %RSD      | .10787 | .42273 | .59994 | .81220 | .09783 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4178.1 | 49271. | 5183.3 | 72.858 | 4450.2 |
| #2 | 4178.6 | 49106. | 5122.1 | 71.942 | 4448.9 |
| #3 | 4170.6 | 49520. | 5145.0 | 71.767 | 4442.1 |

Sample Name: K2779-02      Acquired: 5/10/2019 23:16:09      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |         |
|--------|--------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00054 | -.00452 | .00751 | .00051 | .00181 | .05945 | .18162 | -.00002 |
| Stddev | .00228 | .00071  | .00112 | .00332 | .00103 | .00521 | .00036 | .00007  |
| %RSD   | 419.24 | 15.786  | 14.914 | 649.90 | 56.986 | 8.7656 | .19609 | 317.51  |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00177  | -.00514 | .00681 | .00421  | .00220 | .05990 | .18170 | .00001  |
| #2 | .00195  | -.00468 | .00693 | -.00222 | .00259 | .05404 | .18123 | .00002  |
| #3 | -.00209 | -.00374 | .00881 | -.00045 | .00064 | .06443 | .18193 | -.00010 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00038 | 6.7468 | .00051 | -.00006 | .00495 | .01191 | .03746 | 1.4522 |
| Stddev | .00004 | .0174  | .00032 | .00010  | .00018 | .00066 | .00016 | .0464  |
| %RSD   | 9.5819 | .25740 | 61.487 | 184.98  | 3.6785 | 5.5597 | .42304 | 3.1958 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00034 | 6.7668 | .00022 | -.00018 | .00474 | .01158 | .03731 | 1.4397 |
| #2 | .00042 | 6.7353 | .00047 | -.00000 | .00509 | .01148 | .03744 | 1.4133 |
| #3 | .00037 | 6.7383 | .00085 | .00001  | .00500 | .01267 | .03763 | 1.5035 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00086 | -.00032 | 330.35 | .00006 | .19127 | .62797 | .00003 | .05750 |
| Stddev | .00025 | .00030  | 1.52   | .00019 | .00015 | .01380 | .00004 | .00280 |
| %RSD   | 29.558 | 91.542  | .45987 | 301.42 | .08030 | 2.1976 | 104.96 | 4.8692 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00068 | -.00048 | 332.08 | .00002  | .19130 | .63860 | .00001 | .06034 |
| #2 | .00115 | .00002  | 329.23 | .00027  | .19110 | .63293 | .00007 | .05474 |
| #3 | .00075 | -.00051 | 329.74 | -.00011 | .19140 | .61237 | .00002 | .05741 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .24705 | .37281 | -.00094 | -.00161 | .00076 | .0125  | .03376 | 3.3581 |
| Stddev | .00411 | .00189 | .00130  | .00072  | .00112 | .0006  | .00010 | .2039  |
| %RSD   | 1.6654 | .50619 | 138.46  | 44.496  | 146.98 | 5.151  | .29568 | 6.0720 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .24568 | .37497 | -.00095 | -.00182 | .00077  | .0120 | .03364 | 3.1457 |
| #2 | .24380 | .37149 | -.00223 | -.00220 | -.00036 | .0122 | .03383 | 3.3762 |
| #3 | .25168 | .37197 | .00037  | -.00081 | .00187  | .0132 | .03379 | 3.5523 |

Sample Name: K2779-02      Acquired: 5/10/2019 23:16:09      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-5124      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 10.446 |
| Stddev | 2.247  |
| %RSD   | 21.510 |

|    |        |
|----|--------|
| #1 | 8.0640 |
| #2 | 10.745 |
| #3 | 12.528 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4145.3 | 48717. | 5212.6 | 74.428 | 4383.5 |
| Stddev    | 6.8    | 175.   | 25.9   | .857   | 5.7    |
| %RSD      | .16394 | .35992 | .49680 | 1.1511 | .12909 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4137.9 | 48562. | 5200.6 | 73.908 | 4377.0 |
| #2 | 4146.8 | 48681. | 5195.0 | 75.417 | 4387.3 |
| #3 | 4151.3 | 48908. | 5242.4 | 73.958 | 4386.3 |

Sample Name: K2779-04      Acquired: 5/10/2019 23:20:44      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200050      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00019 | -.00511 | .00383 | .00225 | .00003 | .06531 | .20262 | .00002 |
| Stddev | .00079  | .00100  | .00062 | .00193 | .00050 | .00663 | .00253 | .00003 |
| %RSD   | 424.66  | 19.476  | 16.276 | 86.011 | 1605.6 | 10.147 | 1.2490 | 148.62 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00039  | -.00399 | .00454 | .00005 | -.00020 | .06086 | .20153 | .00003  |
| #2 | .00014  | -.00545 | .00356 | .00369 | -.00031 | .07292 | .20551 | .00005  |
| #3 | -.00109 | -.00589 | .00339 | .00299 | .00060  | .06213 | .20081 | -.00001 |

|        |         |        |        |        |         |        |        |        |
|--------|---------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 17.860 | .00071 | .00010 | -.00065 | .50562 | .05440 | 1.1572 |
| Stddev | .00007  | .089   | .00013 | .00021 | .00015  | .00477 | .00050 | .0178  |
| %RSD   | 89.290  | .49561 | 17.669 | 200.26 | 23.103  | .94247 | .92369 | 1.5401 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00000 | 17.758 | .00076 | .00032  | -.00058 | .50712 | .05483 | 1.1776 |
| #2 | -.00014 | 17.917 | .00057 | .00009  | -.00083 | .50945 | .05452 | 1.1493 |
| #3 | -.00009 | 17.904 | .00081 | -.00009 | -.00055 | .50028 | .05385 | 1.1447 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00110 | -.00046 | 325.63 | -.00024 | .11441 | .82114 | -.00007 | .04832 |
| Stddev | .00064 | .00023  | 1.34   | .00037  | .00012 | .03119 | .00019  | .01006 |
| %RSD   | 57.682 | 49.045  | .41170 | 153.77  | .10763 | 3.7990 | 259.89  | 20.816 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00128 | -.00022 | 324.79 | -.00025 | .11427 | .82465 | -.00027 | .05862 |
| #2 | .00162 | -.00050 | 324.93 | -.00062 | .11447 | .78834 | .00010  | .04781 |
| #3 | .00039 | -.00066 | 327.18 | .00013  | .11450 | .85043 | -.00005 | .03852 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .46671 | .50020 | -.00043 | -.00201 | .00253 | .0048  | .09523 | 2.6852 |
| Stddev | .00335 | .00185 | .00048  | .00058  | .00051 | .0013  | .00046 | .1915  |
| %RSD   | .71802 | .37055 | 111.77  | 28.893  | 20.305 | 27.29  | .48240 | 7.1324 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .47041 | .49843 | -.00001 | -.00262 | .00225 | .0063 | .09474 | 2.8565 |
| #2 | .46388 | .50004 | -.00096 | -.00194 | .00221 | .0039 | .09564 | 2.4784 |
| #3 | .46584 | .50213 | -.00032 | -.00146 | .00312 | .0042 | .09532 | 2.7208 |

Sample Name: K2779-04      Acquired: 5/10/2019 23:20:44      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200050      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      12.584  
 Stddev      1.620  
 %RSD      12.873

#1      13.850  
 #2      13.144  
 #3      10.758

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4150.3 | 48703. | 5195.3 | 74.347 | 4385.4 |
| Stddev    | 3.8    | 227.   | 41.9   | 1.357  | 1.6    |
| %RSD      | .09037 | .46559 | .80670 | 1.8248 | .03740 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4146.2 | 48959. | 5228.6 | 75.833 | 4387.0 |
| #2 | 4153.5 | 48528. | 5209.1 | 74.033 | 4383.7 |
| #3 | 4151.3 | 48623. | 5148.2 | 73.175 | 4385.6 |

Sample Name: K2779-06      Acquired: 5/10/2019 23:25:19      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00481 | -.00532 | .00971 | .00075 | .00203 | .05715 | .17492 | .00006 |
| Stddev | .00203 | .00058  | .00066 | .00232 | .00156 | .00832 | .00138 | .00006 |
| %RSD   | 42.126 | 10.861  | 6.7977 | 307.37 | 76.858 | 14.564 | .78647 | 99.701 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00482 | -.00591 | .01021 | -.00073 | .00027 | .06607 | .17584 | .00004 |
| #2 | .00683 | -.00476 | .00896 | -.00043 | .00258 | .04959 | .17559 | .00001 |
| #3 | .00278 | -.00529 | .00996 | .00343  | .00325 | .05578 | .17334 | .00012 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00004 | 19.887 | .00054 | .00033 | -.00089 | .04724 | .07220 | .88160 |
| Stddev | .00007 | .103   | .00039 | .00008 | .00037  | .00102 | .00013 | .07215 |
| %RSD   | 195.39 | .51997 | 71.399 | 22.886 | 41.848  | 2.1487 | .18580 | 8.1842 |

|    |         |        |        |        |         |        |        |        |
|----|---------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00006  | 19.814 | .00059 | .00033 | -.00050 | .04744 | .07209 | .96252 |
| #2 | -.00004 | 19.842 | .00090 | .00026 | -.00124 | .04815 | .07216 | .85831 |
| #3 | .00009  | 20.006 | .00013 | .00041 | -.00094 | .04615 | .07235 | .82397 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00044 | -.00041 | 341.19 | -.00028 | .08870 | .58697 | .00014 | .05520 |
| Stddev | .00032 | .00034  | 1.68   | .00003  | .00022 | .04375 | .00003 | .01224 |
| %RSD   | 73.538 | 83.429  | .49298 | 10.141  | .25133 | 7.4532 | 18.524 | 22.172 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00075 | -.00056 | 342.37 | -.00028 | .08847 | .58250 | .00017 | .06889 |
| #2 | .00045 | -.00002 | 341.94 | -.00031 | .08891 | .54563 | .00012 | .05142 |
| #3 | .00011 | -.00065 | 339.26 | -.00025 | .08873 | .63278 | .00013 | .04530 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25982 | .34625 | -.00056 | -.00195 | .00303 | .0024  | .08685 | 3.0225 |
| Stddev | .00270 | .00144 | .00027  | .00304  | .00089 | .0018  | .00023 | .0208  |
| %RSD   | 1.0385 | .41496 | 47.924  | 155.32  | 29.274 | 73.74  | .26733 | .68713 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .25809 | .34705 | -.00077 | -.00546 | .00392 | .0005 | .08667 | 3.0026 |
| #2 | .25845 | .34459 | -.00065 | -.00036 | .00304 | .0028 | .08677 | 3.0440 |
| #3 | .26293 | .34710 | -.00026 | -.00005 | .00214 | .0039 | .08711 | 3.0208 |

Sample Name: K2779-06      Acquired: 5/10/2019 23:25:19      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200052      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 12.425 |
| Stddev | 1.258  |
| %RSD   | 10.124 |

|    |        |
|----|--------|
| #1 | 12.491 |
| #2 | 13.648 |
| #3 | 11.135 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4149.3 | 48840. | 5183.2 | 74.128 | 4366.2 |
| Stddev    | 18.9   | 66.    | 29.0   | 2.755  | 7.6    |
| %RSD      | .45537 | .13580 | .55947 | 3.7166 | .17439 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4169.0 | 48766. | 5200.4 | 74.208 | 4374.9 |
| #2 | 4147.6 | 48896. | 5199.5 | 76.842 | 4362.7 |
| #3 | 4131.3 | 48857. | 5149.7 | 71.333 | 4361.0 |

Sample Name: K2792-01      Acquired: 5/10/2019 23:29:54      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: DRUM-COMP      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00014 | -.00433 | .00133 | .00118 | .00171 | .01264 | .06447 | -.00004 |
| Stddev | .00190  | .00047  | .00048 | .00072 | .00119 | .01534 | .00045 | .00002  |
| %RSD   | 1354.7  | 10.822  | 36.370 | 61.285 | 69.389 | 121.39 | .69579 | 43.131  |

|    |         |         |        |        |        |         |        |         |
|----|---------|---------|--------|--------|--------|---------|--------|---------|
| #1 | -.00027 | -.00386 | .00121 | .00192 | .00300 | .00955  | .06443 | -.00005 |
| #2 | -.00197 | -.00480 | .00091 | .00114 | .00148 | .02929  | .06493 | -.00002 |
| #3 | .00182  | -.00434 | .00186 | .00048 | .00066 | -.00092 | .06404 | -.00005 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00002 | .69550 | .00108 | -.00036 | .00985 | .09432 | .00834 | .04353 |
| Stddev | .00002  | .01150 | .00026 | .00009  | .00025 | .00067 | .00006 | .00525 |
| %RSD   | 143.29  | 1.6535 | 24.621 | 25.092  | 2.5055 | .71209 | .67053 | 12.065 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00004 | .68518 | .00080 | -.00042 | .00957 | .09421 | .00838 | .04335 |
| #2 | -.00002 | .69342 | .00111 | -.00026 | .00992 | .09371 | .00828 | .04887 |
| #3 | .00001  | .70790 | .00133 | -.00040 | .01005 | .09504 | .00837 | .03837 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00178 | .00013 | 262.15 | -.00015 | .20893 | .04258 | .00019 | .01279 |
| Stddev | .00009 | .00020 | 1.59   | .00034  | .00022 | .04887 | .00021 | .01349 |
| %RSD   | 5.2036 | 148.71 | .60579 | 232.51  | .10323 | 114.79 | 114.35 | 105.49 |

|    |        |         |        |         |        |         |         |         |
|----|--------|---------|--------|---------|--------|---------|---------|---------|
| #1 | .00189 | .00013  | 261.97 | -.00037 | .20903 | .06335  | .00031  | .01888  |
| #2 | .00173 | -.00006 | 263.82 | -.00033 | .20909 | -.01325 | -.00006 | -.00267 |
| #3 | .00173 | .00033  | 260.65 | .00025  | .20869 | .07763  | .00031  | .02216  |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05625 | .04195 | -.00126 | -.00031 | .00019 | .0086  | .00301 | 2.8983 |
| Stddev | .00171 | .00192 | .00007  | .00150  | .00052 | .0014  | .00002 | .1002  |
| %RSD   | 3.0417 | 4.5666 | 5.2974  | 489.41  | 269.16 | 16.45  | .50394 | 3.4582 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .05451 | .04217 | -.00120 | -.00054 | -.00010 | .0102 | .00302 | 2.9034 |
| #2 | .05631 | .03993 | -.00133 | .00130  | -.00011 | .0077 | .00300 | 2.9959 |
| #3 | .05793 | .04374 | -.00124 | -.00167 | .00079  | .0078 | .00299 | 2.7956 |

Sample Name: K2792-01      Acquired: 5/10/2019 23:29:54      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: DRUM-COMP      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      7.7202  
 Stddev      .7346  
 %RSD      9.5155

#1      8.1060  
 #2      6.8730  
 #3      8.1815

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4192.8 | 49437. | 5202.1 | 73.817 | 4463.7 |
| Stddev    | 3.5    | 236.   | 44.2   | .642   | 9.2    |
| %RSD      | .08385 | .47809 | .84947 | .87030 | .20534 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4190.5 | 49165. | 5161.9 | 74.175 | 4453.6 |
| #2 | 4196.9 | 49553. | 5249.4 | 73.075 | 4471.5 |
| #3 | 4191.1 | 49593. | 5195.0 | 74.200 | 4466.0 |

Sample Name: K2801-03      Acquired: 5/10/2019 23:34:31      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-1873      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00046 | -.00374 | .00318 | .00029 | .00034 | .05763 | .30115 | .00001 |
| Stddev | .00087  | .00112  | .00112 | .00080 | .00119 | .01188 | .00043 | .00003 |
| %RSD   | 189.59  | 30.037  | 35.270 | 278.17 | 346.03 | 20.612 | .14226 | 228.99 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00077 | -.00263 | .00378 | .00029  | .00028  | .05031 | .30112 | .00004  |
| #2 | -.00113 | -.00487 | .00189 | -.00052 | -.00081 | .07134 | .30159 | .00002  |
| #3 | .00052  | -.00371 | .00387 | .00109  | .00156  | .05125 | .30073 | -.00002 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00017 | 8.0477 | .00033 | -.00039 | .00023 | .01616 | .11497 | 1.4216 |
| Stddev | .00004 | .0334  | .00012 | .00021  | .00027 | .00072 | .00059 | .0159  |
| %RSD   | 24.533 | .41539 | 37.962 | 52.955  | 114.55 | 4.4531 | .51283 | 1.1152 |

|    |        |        |        |         |         |        |        |        |
|----|--------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00017 | 8.0306 | .00027 | -.00034 | .00030  | .01699 | .11444 | 1.4033 |
| #2 | .00022 | 8.0862 | .00024 | -.00062 | .00046  | .01572 | .11486 | 1.4305 |
| #3 | .00013 | 8.0262 | .00047 | -.00021 | -.00006 | .01577 | .11560 | 1.4309 |

|        |         |         |        |         |        |        |         |        |
|--------|---------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00009 | -.00027 | 305.88 | -.00019 | .10529 | .81056 | -.00021 | .04640 |
| Stddev | .00013  | .00011  | 3.27   | .00021  | .00030 | .05469 | .00029  | .01590 |
| %RSD   | 152.98  | 41.933  | 1.0682 | 106.93  | .28914 | 6.7474 | 139.14  | 34.270 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.00013 | -.00040 | 302.15 | -.00032 | .10562 | .78680 | -.00011 | .06410 |
| #2 | -.00018 | -.00023 | 307.26 | .00005  | .10523 | .77176 | .00002  | .04178 |
| #3 | .00006  | -.00019 | 308.24 | -.00030 | .10502 | .87311 | -.00054 | .03332 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54592 | .39921 | .00004 | .00004 | .00054 | .0016  | .03321 | 3.5613 |
| Stddev | .00254 | .00458 | .00044 | .00092 | .00020 | .0006  | .00025 | .1025  |
| %RSD   | .46452 | 1.1481 | 1100.5 | 2503.3 | 37.007 | 38.27  | .75949 | 2.8777 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | .54839 | .40351 | .00047  | -.00024 | .00045 | .0024 | .03319 | 3.6377 |
| #2 | .54604 | .39973 | .00006  | -.00072 | .00076 | .0013 | .03347 | 3.6014 |
| #3 | .54332 | .39438 | -.00041 | .00107  | .00039 | .0013 | .03297 | 3.4449 |

Sample Name: K2801-03      Acquired: 5/10/2019 23:34:31      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-1873      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 11.413 |
| Stddev | .033   |
| %RSD   | .28965 |

|    |        |
|----|--------|
| #1 | 11.445 |
| #2 | 11.379 |
| #3 | 11.415 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4172.6 | 49281. | 5255.9 | 73.480 | 4413.0 |
| Stddev    | 14.0   | 72.    | 34.0   | 1.267  | 5.5    |
| %RSD      | .33447 | .14516 | .64609 | 1.7237 | .12495 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4166.1 | 49349. | 5221.6 | 72.028 | 4414.1 |
| #2 | 4163.1 | 49206. | 5256.8 | 74.052 | 4407.0 |
| #3 | 4188.6 | 49288. | 5289.5 | 74.359 | 4417.9 |

Sample Name: K2801-06      Acquired: 5/10/2019 23:39:06      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RBR-200035      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00188 | -.00570 | .00194 | .00167 | .00197 | .09610 | .24441 | .00000 |
| Stddev | .00318 | .00255  | .00085 | .00364 | .00075 | .00541 | .00228 | .00003 |
| %RSD   | 169.56 | 44.651  | 43.749 | 218.62 | 38.107 | 5.6282 | .93267 | 1363.2 |

|    |         |         |        |         |        |        |        |         |
|----|---------|---------|--------|---------|--------|--------|--------|---------|
| #1 | -.00157 | -.00278 | .00097 | .00030  | .00244 | .10094 | .24509 | .00003  |
| #2 | .00471  | -.00688 | .00257 | .00579  | .00238 | .09708 | .24628 | -.00002 |
| #3 | .00249  | -.00744 | .00228 | -.00110 | .00111 | .09026 | .24187 | -.00000 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00039 | 8.7378 | .00062 | .00124 | -.00088 | .01256 | .22141 | 1.4632 |
| Stddev | .00002 | .0859  | .00051 | .00000 | .00021  | .00049 | .00109 | .0584  |
| %RSD   | 4.6583 | .98323 | 81.438 | .35579 | 23.570  | 3.9237 | .49233 | 3.9893 |

|    |        |        |        |        |         |        |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|--------|
| #1 | .00041 | 8.6495 | .00016 | .00124 | -.00112 | .01203 | .22251 | 1.4141 |
| #2 | .00038 | 8.7428 | .00117 | .00124 | -.00077 | .01264 | .22139 | 1.4477 |
| #3 | .00038 | 8.8212 | .00053 | .00124 | -.00075 | .01300 | .22033 | 1.5277 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00003 | -.00006 | 334.57 | -.00071 | .10981 | .75401 | -.00008 | .05339 |
| Stddev | .00026 | .00034  | 1.95   | .00029  | .00064 | .02825 | .00014  | .01676 |
| %RSD   | 1030.1 | 611.43  | .58342 | 40.833  | .58560 | 3.7469 | 192.19  | 31.389 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00030  | .00026  | 333.63 | -.00082 | .11049 | .77167 | .00009  | .05131 |
| #2 | -.00001 | -.00000 | 336.82 | -.00038 | .10975 | .76894 | -.00018 | .03777 |
| #3 | -.00021 | -.00042 | 333.27 | -.00092 | .10920 | .72143 | -.00013 | .07110 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .33854 | .38520 | .00020 | -.00057 | .00100 | .0098  | .03731 | 3.2359 |
| Stddev | .00235 | .00338 | .00057 | .00062  | .00173 | .0011  | .00012 | .1375  |
| %RSD   | .69549 | .87839 | 291.45 | 110.04  | 172.94 | 11.25  | .31316 | 4.2492 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .34116 | .38201 | -.00023 | -.00005 | -.00090 | .0102 | .03718 | 3.3698 |
| #2 | .33787 | .38485 | -.00003 | -.00038 | .00142  | .0086 | .03741 | 3.2428 |
| #3 | .33660 | .38875 | .00085  | -.00126 | .00248  | .0107 | .03734 | 3.0950 |

Sample Name: K2801-06      Acquired: 5/10/2019 23:39:06      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RBR-200035      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      11.059  
 Stddev      1.623  
 %RSD      14.681

#1      9.8009  
 #2      10.484  
 #3      12.891

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4178.9 | 48944. | 5205.0 | 74.811 | 4418.1 |
| Stddev    | 6.5    | 93.    | 42.7   | .960   | 16.5   |
| %RSD      | .15478 | .18955 | .82095 | 1.2830 | .37396 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4171.4 | 48853. | 5213.4 | 75.458 | 4405.3 |
| #2 | 4182.4 | 48941. | 5242.9 | 75.267 | 4412.3 |
| #3 | 4182.9 | 49038. | 5158.7 | 73.708 | 4436.8 |

Sample Name: K2801-09      Acquired: 5/10/2019 23:43:41      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: RT-3456      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | -.00435 | .00741 | .00118 | .00048 | .03655 | .22691 | .00003 |
| Stddev | .00052 | .00100  | .00068 | .00108 | .00096 | .00763 | .00299 | .00010 |
| %RSD   | 156.15 | 23.103  | 9.1787 | 91.138 | 198.95 | 20.873 | 1.3157 | 326.48 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00014 | -.00549 | .00819 | .00183  | .00013  | .02808 | .22792 | -.00005 |
| #2 | .00025  | -.00395 | .00704 | -.00006 | -.00025 | .04289 | .22927 | .00015  |
| #3 | .00088  | -.00360 | .00699 | .00177  | .00157  | .03868 | .22355 | -.00000 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00072 | 7.9769 | .00039 | -.00019 | .00035 | .00505 | .01869 | 1.6873 |
| Stddev | .00006 | .0566  | .00036 | .00016  | .00019 | .00011 | .00025 | .0566  |
| %RSD   | 8.8223 | .70934 | 91.806 | 85.190  | 54.428 | 2.1786 | 1.3520 | 3.3551 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00070 | 7.9690 | .00013 | -.00001 | .00054 | .00510 | .01880 | 1.6219 |
| #2 | .00067 | 7.9247 | .00024 | -.00026 | .00016 | .00512 | .01840 | 1.7193 |
| #3 | .00079 | 8.0370 | .00080 | -.00031 | .00036 | .00492 | .01886 | 1.7206 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00057 | -.00027 | 280.07 | .00001 | .15148 | .82477 | -.00007 | .03460 |
| Stddev | .00046 | .00022  | 2.30   | .00055 | .00158 | .00560 | .00029  | .00308 |
| %RSD   | 79.173 | 82.618  | .82162 | 4140.5 | 1.0419 | .67894 | 416.18  | 8.8989 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00011 | -.00052 | 280.24 | .00020  | .15322 | .81837 | -.00038 | .03305 |
| #2 | .00060 | -.00019 | 282.28 | -.00061 | .15014 | .82873 | -.00003 | .03815 |
| #3 | .00102 | -.00010 | 277.69 | .00045  | .15107 | .82722 | .00020  | .03261 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .41825 | .53576 | -.00094 | .00068 | .00140 | .0017  | .03867 | 2.7227 |
| Stddev | .00232 | .00703 | .00082  | .00041 | .00045 | .0019  | .00014 | .2223  |
| %RSD   | .55585 | 1.3126 | 87.276  | 59.790 | 32.228 | 108.8  | .37135 | 8.1634 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .42077 | .53245 | -.00168 | .00108 | .00093 | -.0003 | .03867 | 2.5602 |
| #2 | .41619 | .53099 | -.00006 | .00068 | .00146 | .0034  | .03853 | 2.9760 |
| #3 | .41778 | .54383 | -.00107 | .00027 | .00182 | .0021  | .03882 | 2.6319 |

Sample Name: K2801-09      Acquired: 5/10/2019 23:43:41      Type: Unk  
 Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: RT-3456      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      8.8681  
 Stddev      2.5209  
 %RSD      28.427

#1      11.180  
 #2      9.2438  
 #3      6.1805

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4214.2 | 49536. | 5271.7 | 74.761 | 4482.0 |
| Stddev    | 14.1   | 274.   | 73.2   | 1.365  | 18.0   |
| %RSD      | .33392 | .55350 | 1.3892 | 1.8259 | .40146 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4198.0 | 49321. | 5266.2 | 74.150 | 4461.5 |
| #2 | 4220.7 | 49443. | 5347.5 | 76.325 | 4495.0 |
| #3 | 4223.8 | 49845. | 5201.4 | 73.808 | 4489.6 |

Sample Name: CCV12      Acquired: 5/10/2019 23:48:17      Type: Unk  
Method: P4-ICP2(v3107)      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    | 4.9895 | 5.0642 | 4.8863 | 5.0865 | 4.9264 | 9.9352 | 9.7577 | .25263   |
| Stddev | .0104  | .0072  | .0058  | .0076  | .0076  | .1091  | .0329  | .00056   |
| %RSD   | .20948 | .14148 | .11953 | .14941 | .15425 | 1.0980 | .33702 | .22081   |
| #1     | 5.0009 | 5.0615 | 4.8820 | 5.0803 | 4.9185 | 9.8224 | 9.7856 | .25259   |
| #2     | 4.9804 | 5.0723 | 4.8929 | 5.0842 | 4.9337 | 9.9429 | 9.7215 | .25321   |
| #3     | 4.9872 | 5.0588 | 4.8838 | 5.0949 | 4.9269 | 10.040 | 9.7661 | .25209   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4798 | 26.412 | 1.0278 | 2.4646 | 1.2278 | 5.1905 | 2.5476 | 25.232   |
| Stddev | .0046  | .123   | .0020  | .0032  | .0012  | .0052  | .0026  | .328     |
| %RSD   | .18714 | .46495 | .19398 | .13114 | .09425 | .09991 | .10203 | 1.2998   |
| #1     | 2.4778 | 26.271 | 1.0273 | 2.4668 | 1.2276 | 5.1949 | 2.5448 | 24.912   |
| #2     | 2.4851 | 26.501 | 1.0300 | 2.4661 | 1.2267 | 5.1848 | 2.5480 | 25.217   |
| #3     | 2.4765 | 26.462 | 1.0261 | 2.4609 | 1.2290 | 5.1917 | 2.5499 | 25.567   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5086 | 1.2710 | 24.641 | 2.5860 | 2.4449 | 25.568 | 5.0976 | 5.0173   |
| Stddev | .0063  | .0019  | .043   | .0009  | .0043  | .024   | .0042  | .0714    |
| %RSD   | .24932 | .15232 | .17314 | .03373 | .17690 | .09442 | .08266 | 1.4237   |
| #1     | 2.5137 | 1.2732 | 24.601 | 2.5854 | 2.4442 | 25.575 | 5.0928 | 4.9384   |
| #2     | 2.5105 | 1.2699 | 24.636 | 2.5855 | 2.4496 | 25.588 | 5.1007 | 5.0359   |
| #3     | 2.5016 | 1.2698 | 24.685 | 2.5870 | 2.4410 | 25.541 | 5.0992 | 5.0775   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.2248 | 5.1425 | 5.0215 | 5.0855 | 4.9781 | 5.195  | 5.0986 | F 3.1938 |
| Stddev | .0158  | .0335  | .0054  | .0112  | .0418  | .007   | .0316  | .3169    |
| %RSD   | .30158 | .65105 | .10819 | .22102 | .83948 | .1312  | .62023 | 9.9211   |
| #1     | 5.2288 | 5.1684 | 5.0152 | 5.0749 | 5.0248 | 5.195  | 5.1332 | 3.2042   |
| #2     | 5.2382 | 5.1545 | 5.0241 | 5.0845 | 4.9652 | 5.201  | 5.0913 | 2.8719   |
| #3     | 5.2075 | 5.1047 | 5.0251 | 5.0973 | 4.9442 | 5.187  | 5.0712 | 3.5054   |

Sample Name: CCV12      Acquired: 5/10/2019 23:48:17      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.1437 |
| Stddev | .4105    |
| %RSD   | 9.9057   |

|    |        |
|----|--------|
| #1 | 4.3652 |
| #2 | 4.3958 |
| #3 | 3.6701 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4233.7 | 49988. | 5192.9 | 71.972 | 4453.7 |
| Stddev    | 7.5    | 102.   | 42.5   | .807   | 7.2    |
| %RSD      | .17712 | .20307 | .81900 | 1.1210 | .16253 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4228.0 | 49915. | 5148.6 | 71.066 | 4446.7 |
| #2 | 4242.2 | 49944. | 5196.6 | 72.240 | 4453.2 |
| #3 | 4231.0 | 50104. | 5233.4 | 72.611 | 4461.2 |

Sample Name: CCB12      Acquired: 5/10/2019 23:52:25      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14949      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |        |          |
|--------|---------|---------|---------|---------|---------|---------|--------|----------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934 | Be2348   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00124  | .00017  | .00065  | .00086  | .00032  | -.01565 | .00041 | .00002   |
| Stddev | .00367  | .00004  | .00079  | .00109  | .00009  | .00191  | .00013 | .00008   |
| %RSD   | 295.84  | 23.621  | 121.70  | 126.55  | 28.837  | 12.213  | 31.894 | 477.23   |
| #1     | .00393  | .00015  | -.00026 | .00196  | .00043  | -.01650 | .00026 | -.00002  |
| #2     | .00274  | .00022  | .00106  | -.00023 | .00030  | -.01346 | .00050 | -.00003  |
| #3     | -.00294 | .00014  | .00114  | .00086  | .00025  | -.01698 | .00046 | .00011   |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00000  | -.00259 | .00025  | -.00024 | -.00200 | .00092  | .00013 | -.02341  |
| Stddev | .00006  | .01593  | .00034  | .00014  | .00024  | .00006  | .00004 | .03790   |
| %RSD   | 1549.3  | 614.03  | 136.71  | 60.287  | 12.183  | 6.2353  | 32.763 | 161.91   |
| #1     | .00007  | .00057  | -.00004 | -.00029 | -.00226 | .00092  | .00016 | .01571   |
| #2     | -.00000 | -.01987 | .00016  | -.00035 | -.00178 | .00087  | .00008 | -.05996  |
| #3     | -.00005 | .01152  | .00062  | -.00008 | -.00195 | .00099  | .00015 | -.02598  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | .00017  | .00002  | -.01187 | .00017  | -.00043 | -.08015 | .00046 | -.00584  |
| Stddev | .00010  | .00041  | .00273  | .00050  | .00007  | .02703  | .00041 | .00508   |
| %RSD   | 57.966  | 2301.6  | 23.030  | 289.53  | 15.973  | 33.720  | 87.623 | 87.027   |
| #1     | .00009  | .00017  | -.00872 | .00058  | -.00038 | -.08975 | .00083 | -.00939  |
| #2     | .00029  | -.00044 | -.01366 | .00033  | -.00040 | -.04964 | .00054 | -.00811  |
| #3     | .00014  | .00033  | -.01322 | -.00039 | -.00051 | -.10108 | .00002 | -.00002  |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670   |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm      |
| Avg    | -.00965 | .00307  | .00021  | -.00130 | -.00112 | .0021   | .00012 | F 1.7759 |
| Stddev | .00270  | .00333  | .00094  | .00151  | .00103  | .0005   | .00004 | .2519    |
| %RSD   | 27.946  | 108.40  | 449.02  | 115.88  | 91.488  | 24.37   | 37.142 | 14.184   |
| #1     | -.01191 | .00175  | .00126  | -.00114 | -.00203 | .0018   | .00011 | 1.8820   |
| #2     | -.00667 | .00060  | -.00011 | .00012  | -.00132 | .0019   | .00016 | 1.9573   |
| #3     | -.01038 | .00685  | -.00053 | -.00288 | -.00001 | .0027   | .00007 | 1.4883   |

Sample Name: CCB12      Acquired: 5/10/2019 23:52:25      Type: Unk  
Method: P4-ICP2(v3107)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14949      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 5.5079  
Stddev      1.7603  
%RSD      31.959

#1      3.4773  
#2      6.6010  
#3      6.4455

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4395.6 | 52113. | 5180.2 | 74.006 | 4982.0 |
| Stddev    | 6.3    | 71.    | 35.4   | .438   | 7.7    |
| %RSD      | .14337 | .13627 | .68296 | .59118 | .15552 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4395.2 | 52119. | 5214.2 | 74.008 | 4973.1 |
| #2 | 4402.1 | 52182. | 5182.9 | 74.442 | 4986.4 |
| #3 | 4389.5 | 52040. | 5143.6 | 73.567 | 4986.6 |