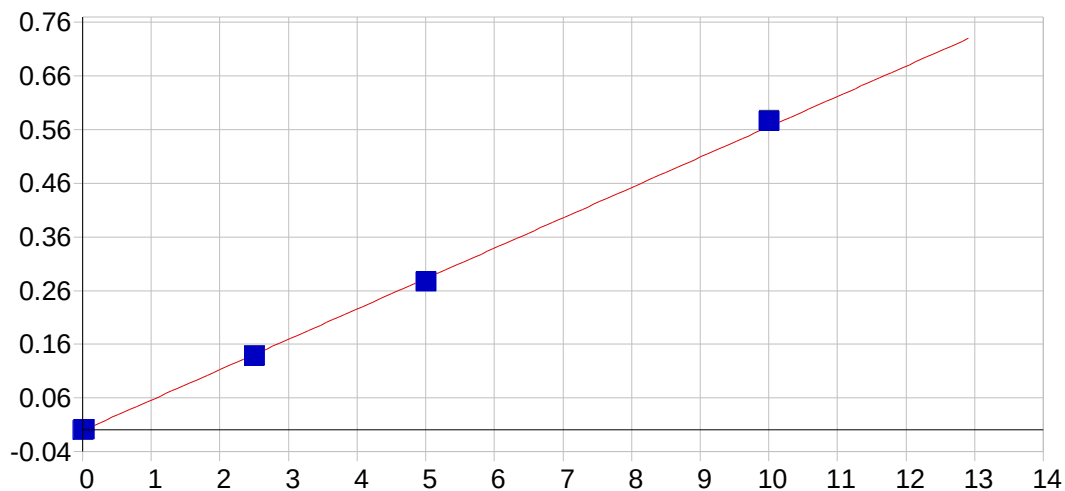


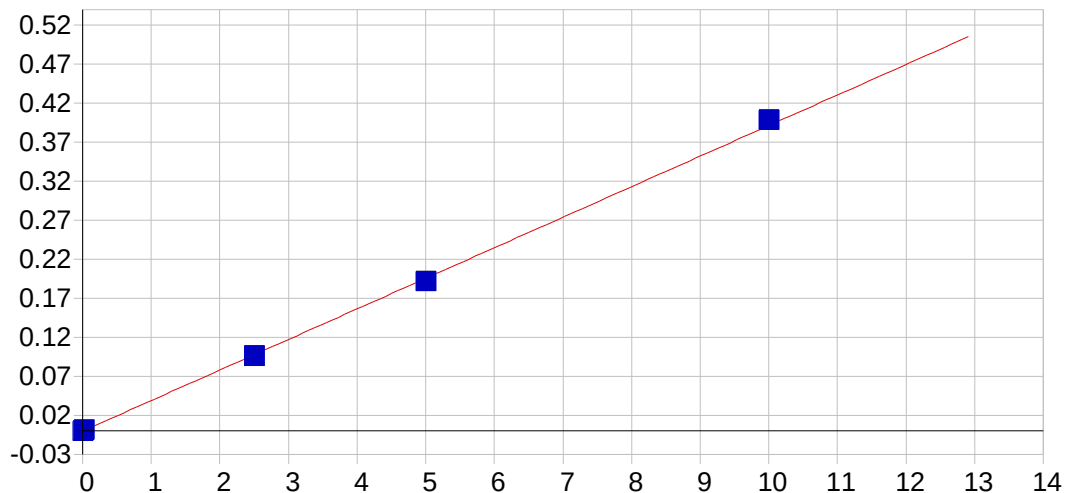


As 189.042 {478}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000662 Re-Slope: 1.000000  
 A1 (Gain): 0.056593 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999794 Status: OK.  
 Std Error of Est: 0.000028  
 Predicted MDL: 0.003246  
 Predicted MQL: 0.010820

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00066 | .000    | 1        |
| S1        | .02000       | .02151      | .002       | 7.57    | .00055  | .000    | 1        |
| S3        | 2.5000       | 2.4423      | -.058      | -2.31   | .13754  | .000    | 1        |
| S4        | 5.0000       | 4.8827      | -.117      | -2.35   | .27565  | .001    | 1        |
| S5        | 10.000       | 10.174      | .174       | 1.74    | .57506  | .002    | 1        |



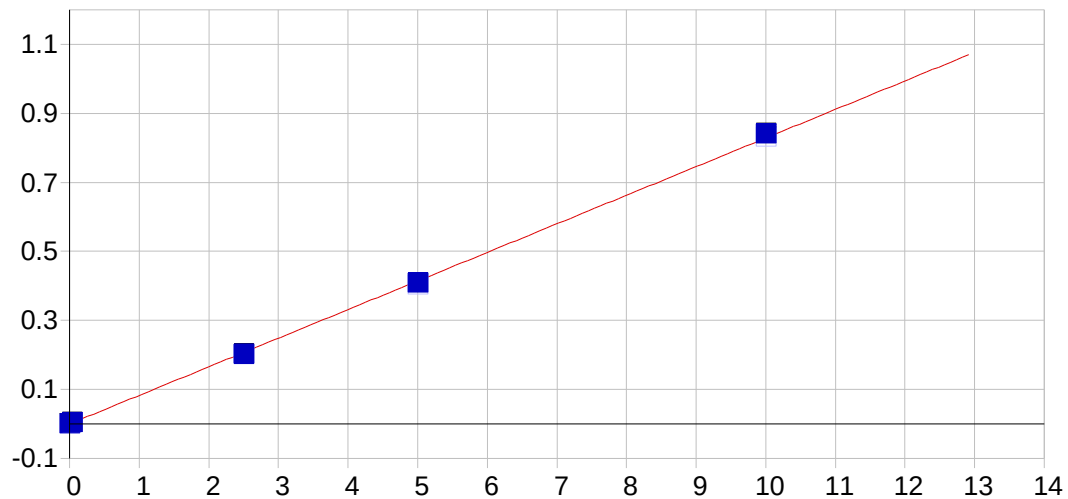
As 189.042 {479}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000085 Re-Slope: 1.000000

A1 (Gain): 0.039153 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999785 Status: OK.  
 Std Error of Est: 0.000020  
 Predicted MDL: 0.003031  
 Predicted MQL: 0.010104

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00009 | .000    | 1        |
| S1        | .02000       | .02335      | .003       | 16.8    | .00083  | .000    | 1        |
| S3        | 2.5000       | 2.4348      | -.065      | -2.61   | .09524  | .001    | 1        |
| S4        | 5.0000       | 4.8913      | -.109      | -2.17   | .19143  | .000    | 1        |
| S5        | 10.000       | 10.171      | .171       | 1.71    | .39813  | .001    | 1        |

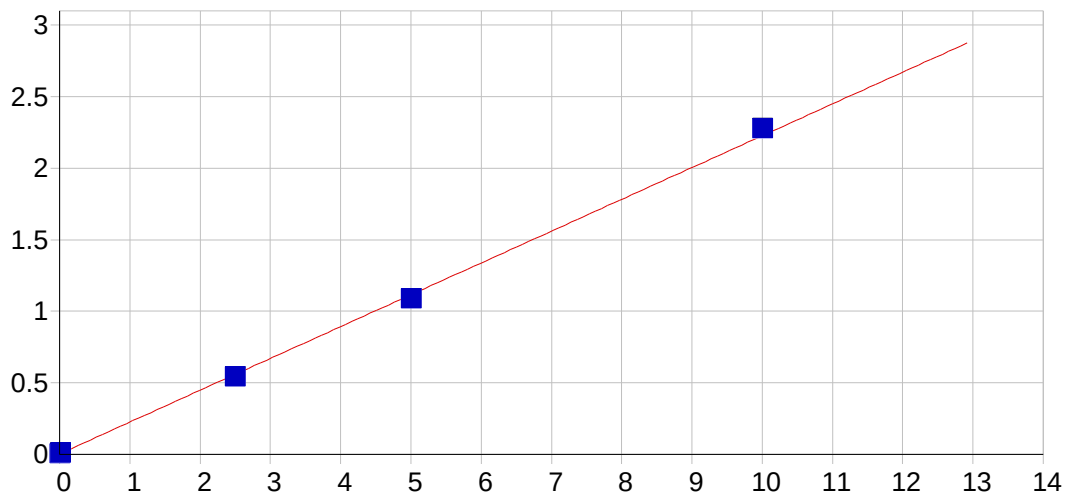


TI 190.856 {477}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000034 Re-Slope: 1.000000  
 A1 (Gain): 0.082851 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999812 Status: OK.  
 Std Error of Est: 0.000054  
 Predicted MDL: 0.001706  
 Predicted MQL: 0.005686

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00003 | .000    | 1        |
| S1        | .04000       | .04908      | .009       | 22.7    | .00395  | .000    | 1        |
| S3        | 2.5000       | 2.4435      | -.057      | -2.26   | .20029  | .000    | 1        |
| S4        | 5.0000       | 4.9166      | -.083      | -1.67   | .40307  | .001    | 1        |
| S5        | 10.000       | 10.131      | .131       | 1.31    | .83083  | .002    | 1        |

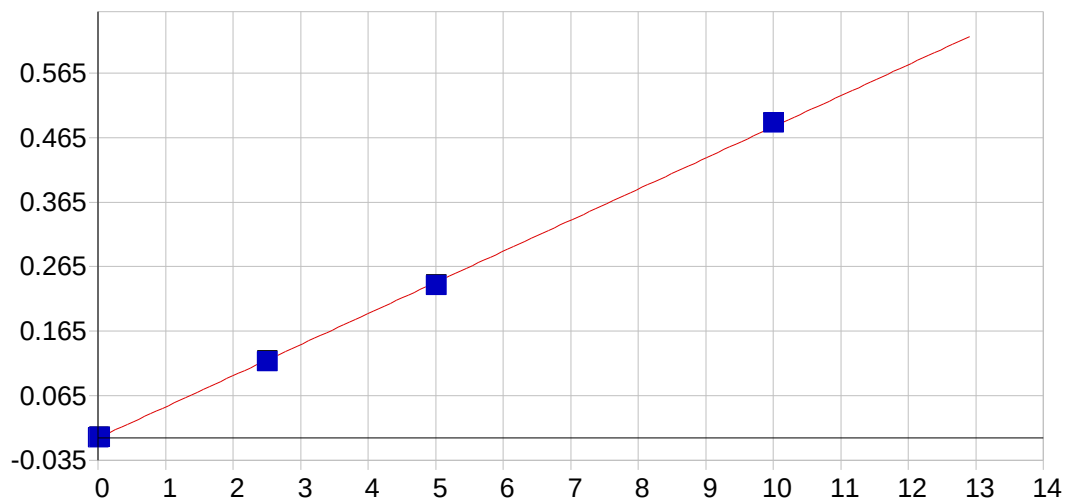


Pb 220.353 {453}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.003864 Re-Slope: 1.000000  
 A1 (Gain): 0.222346 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999661 Status: OK.  
 Std Error of Est: 0.000108  
 Predicted MDL: 0.001082  
 Predicted MQL: 0.003608

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00386 | .000    | 1        |
| S1        | .01200       | .01500      | .003       | 25.0    | .00715 | .000    | 1        |
| S3        | 2.5000       | 2.4138      | -.086      | -3.45   | .53987 | .002    | 1        |
| S4        | 5.0000       | 4.8678      | -.132      | -2.64   | 1.0848 | .001    | 1        |
| S5        | 10.000       | 10.215      | .215       | 2.15    | 2.2724 | .000    | 1        |



Se 196.090 {472}

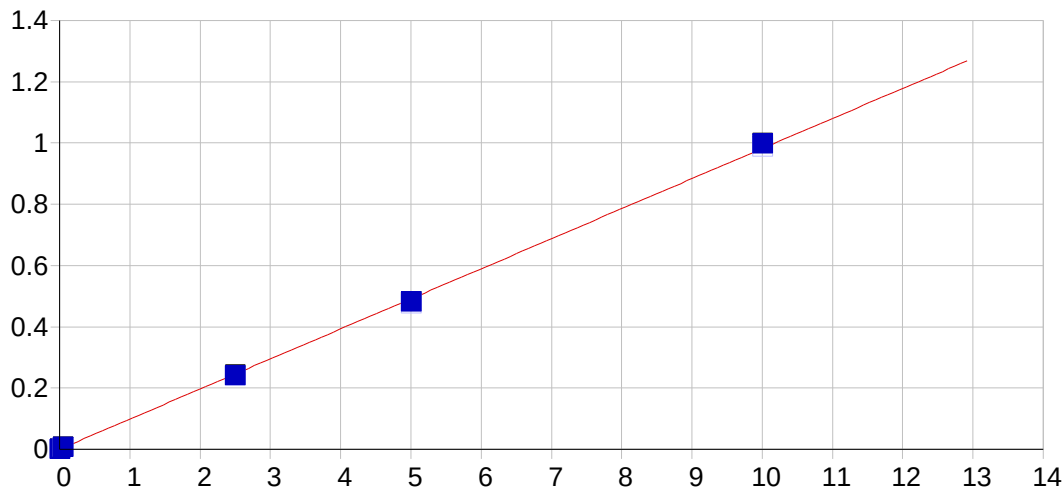
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000405 Re-Slope: 1.000000  
 A1 (Gain): 0.048182 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999861  
 Std Error of Est: 0.000019  
 Predicted MDL: 0.003529  
 Predicted MQL: 0.011762

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00041 | .000    | 1        |
| S1        | .02000       | .02348      | .003       | 17.4    | .00073  | .000    | 1        |
| S3        | 2.5000       | 2.4557      | -.044      | -1.77   | .11790  | .001    | 1        |
| S4        | 5.0000       | 4.9077      | -.092      | -1.85   | .23603  | .001    | 1        |
| S5        | 10.000       | 10.133      | .133       | 1.33    | .48777  | .000    | 1        |



Sb 206.833 {463}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

Weighting: 1/Conc

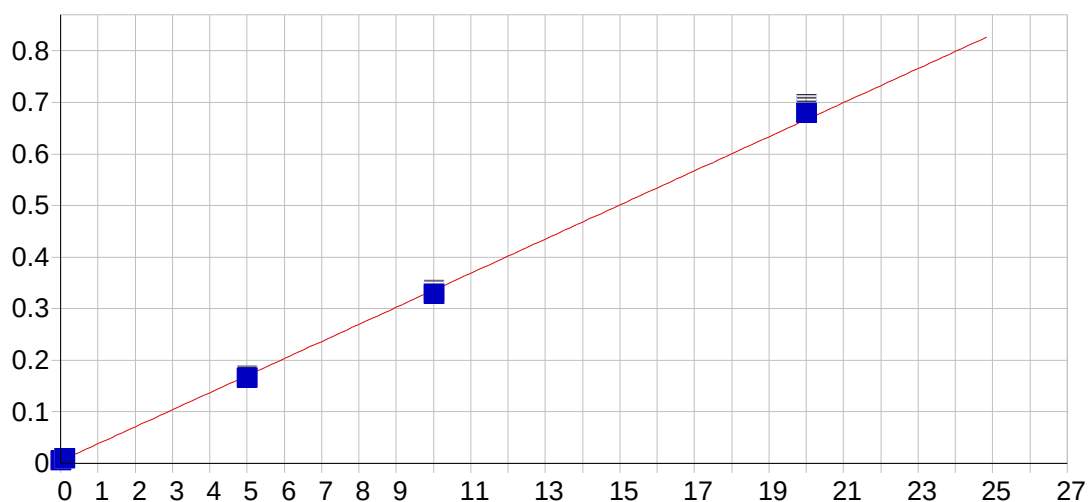
A0 (Offset): 0.000595  
 A1 (Gain): 0.098130  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999756  
 Std Error of Est: 0.000082  
 Predicted MDL: 0.002093  
 Predicted MQL: 0.006977

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    | .00059 | .000    | 1        |
| S1        | .05000       | .06032      | .010       | 20.6    | .00639 | .000    | 1        |
| S3        | 2.5000       | 2.4420      | -.058      | -2.32   | .23747 | .001    | 1        |
| S4        | 5.0000       | 4.8902      | -.110      | -2.20   | .47495 | .001    | 1        |
| S5        | 10.000       | 10.158      | .158       | 1.58    | .98633 | .001    | 1        |



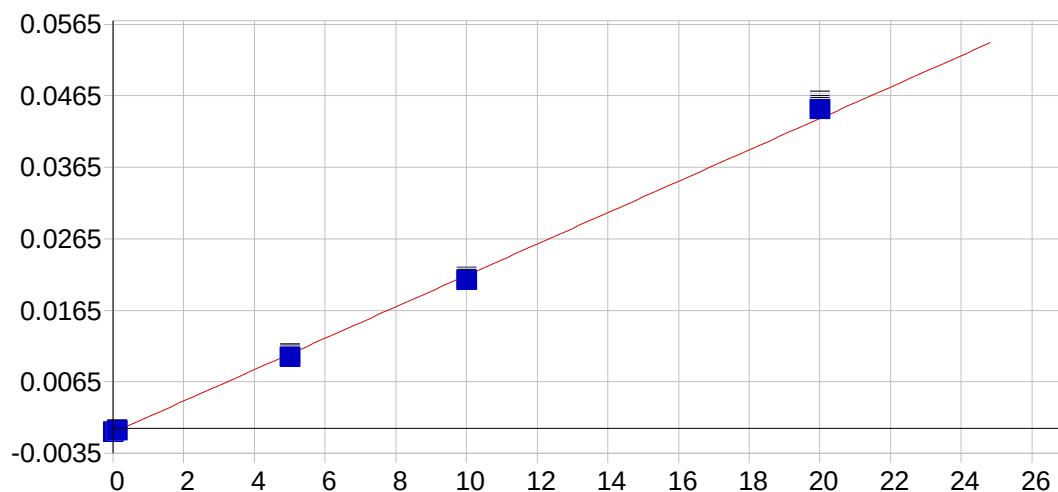


AI 308.215 {109}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004771 Re-Slope: 1.000000  
 A1 (Gain): 0.033088 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999687 Status: OK.  
 Std Error of Est: 0.000065  
 Predicted MDL: 0.003254  
 Predicted MQL: 0.010848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .00477 | .000    | 1        |
| S1        | .10000       | .12108      | .021       | 21.1    | .00901 | .000    | 1        |
| S3        | 5.0000       | 4.8423      | -.158      | -3.15   | .16829 | .000    | 1        |
| S4        | 10.000       | 9.7529      | -.247      | -2.47   | .33406 | .001    | 1        |
| S5        | 20.000       | 20.383      | .383       | 1.91    | .69236 | .003    | 1        |



AI 309.271 {109}

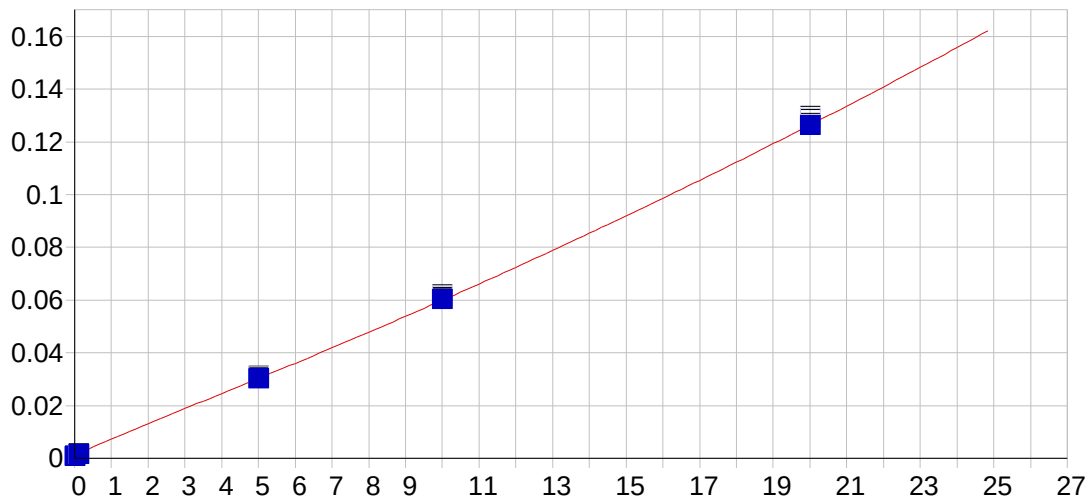
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000589 Re-Slope: 1.000000  
 A1 (Gain): 0.002196 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999512  
 Std Error of Est: 0.000005  
 Predicted MDL: 0.033857  
 Predicted MQL: 0.112856

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00059 | .000    | 1        |
| S1        | .10000       | .10513      | .005       | 5.13    | -.00034 | .000    | 1        |
| S3        | 5.0000       | 4.7841      | -.216      | -4.32   | .01013  | .000    | 1        |
| S4        | 10.000       | 9.6650      | -.335      | -3.35   | .02107  | .000    | 1        |
| S5        | 20.000       | 20.546      | .546       | 2.73    | .04540  | .000    | 1        |



AI 396.152 { 85}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Full Fit

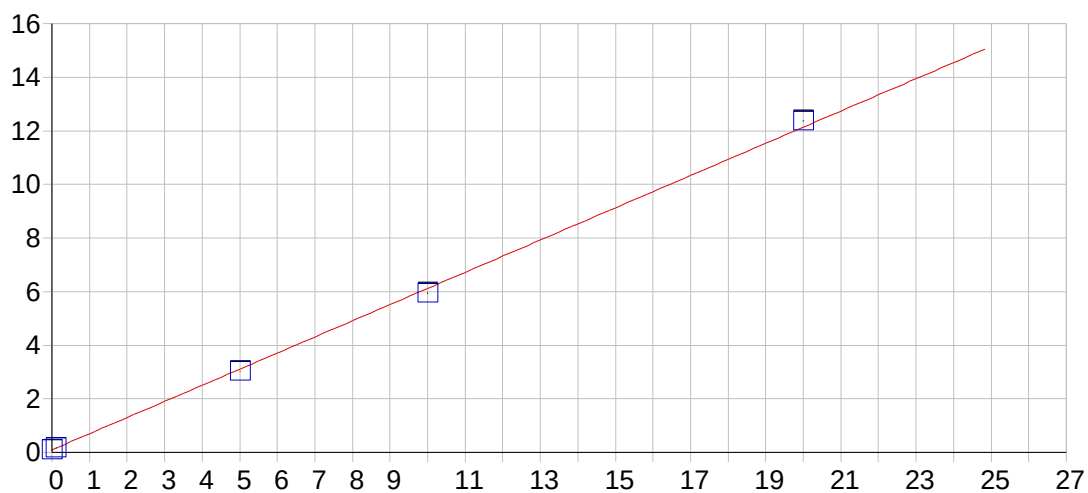
Weighting: 1/Conc

A0 (Offset): 0.000613  
 A1 (Gain): 0.006499  
 A2 (Curvature): 0.000233  
 n (Exponent): 0.860000  
 Correlation: 0.999998  
 Std Error of Est: 0.000002  
 Predicted MDL: 0.016945  
 Predicted MQL: 0.056483

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: Warning Positive Curvature

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00061 | .000    | 1        |
| S1        | .10000       | .09951      | -.000      | -.491   | .00156 | .000    | 1        |
| S3        | 5.0000       | 4.9836      | -.016      | -.328   | .03082 | .000    | 1        |
| S4        | 10.000       | 10.029      | .029       | .288    | .06141 | .001    | 1        |
| S5        | 20.000       | 19.990      | -.010      | -.051   | .12891 | .001    | 1        |

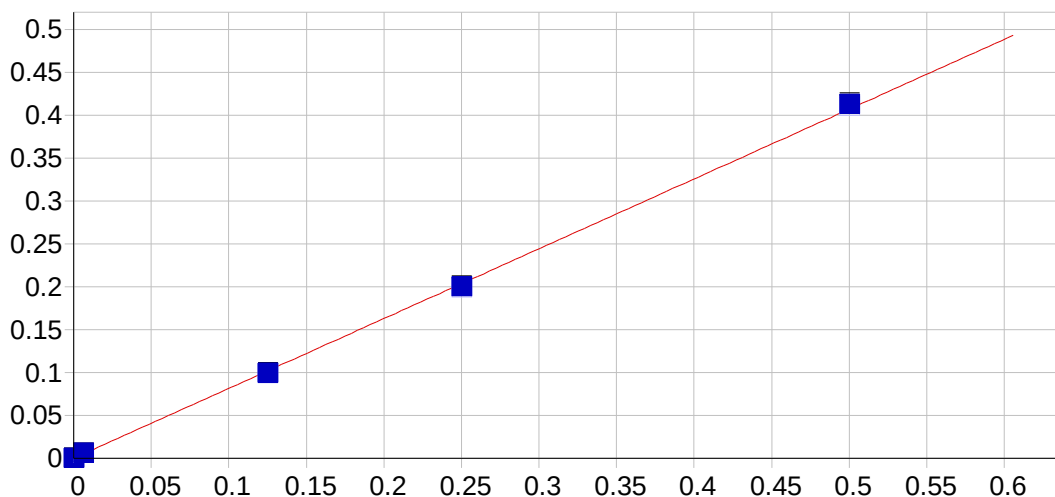


Ba 493.409 { 68}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.096082 Re-Slope: 1.000000  
 A1 (Gain): 0.602011 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999674 Status: OK.  
 Std Error of Est: 0.001176  
 Predicted MDL: 0.005894  
 Predicted MQL: 0.019647

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .09607 | .002    | 1        |
| S1        | .10000       | .11877      | .019       | 18.8    | .16759 | .004    | 1        |
| S3        | 5.0000       | 4.8680      | -.132      | -2.64   | 3.0267 | .016    | 1        |
| S5        | 20.000       | 20.397      | .397       | 1.98    | 12.375 | .030    | 1        |
| S4        | 10.000       | 9.7167      | -.283      | -2.83   | 5.9456 | .017    | 1        |



Be 234.861 {144}

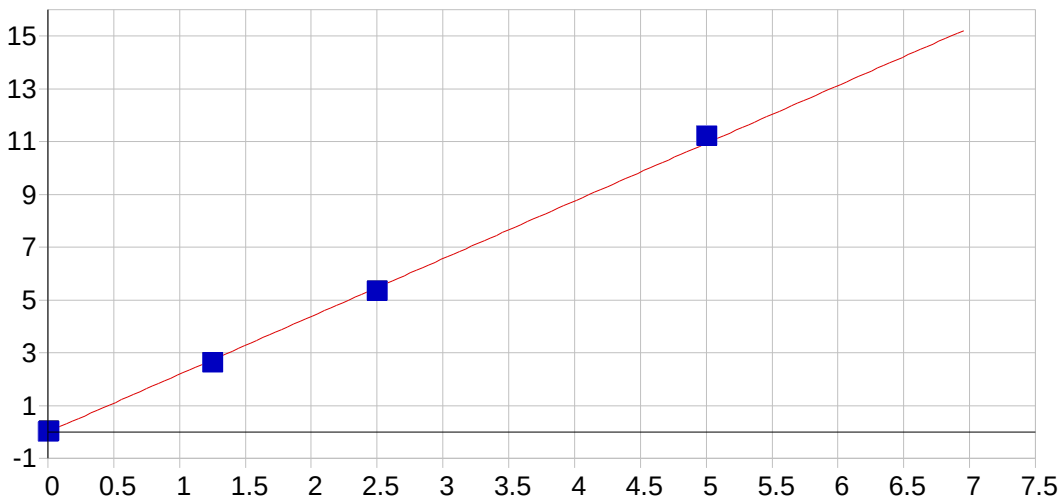
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000130 Re-Slope: 1.000000  
 A1 (Gain): 0.813719 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999757  
 Std Error of Est: 0.000053  
 Predicted MDL: 0.000080  
 Predicted MQL: 0.000266

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00013 | .000    | 1        |
| S1        | .00600       | .00692      | .001       | 15.3    | .00571 | .000    | 1        |
| S3        | .12500       | .12174      | -.003      | -2.61   | .09855 | .000    | 1        |
| S4        | .25000       | .24516      | -.005      | -1.93   | .19834 | .001    | 1        |
| S5        | .50000       | .50718      | .007       | 1.44    | .41028 | .001    | 1        |



Cd 226.502 {449}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

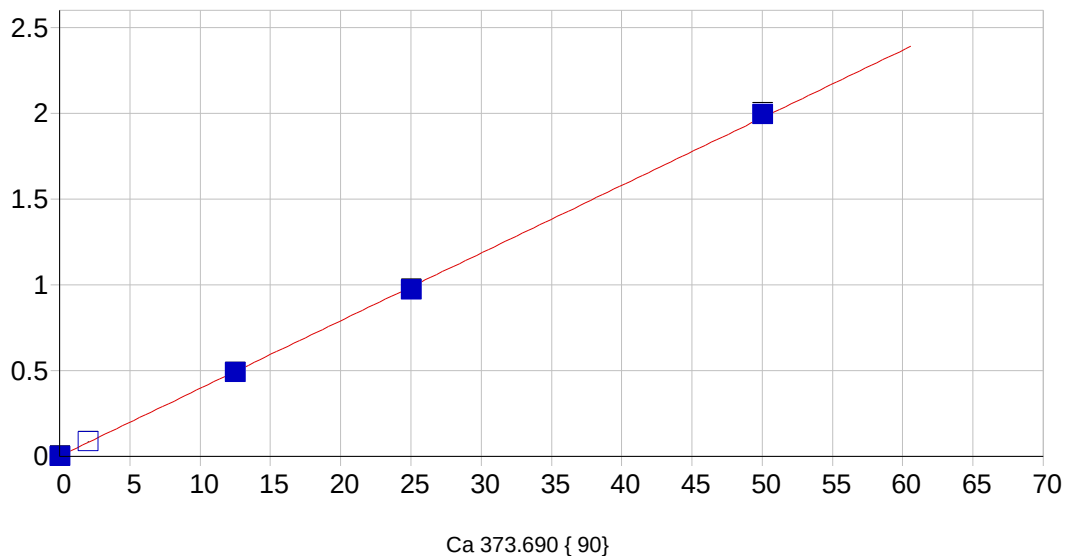
Weighting: 1/Conc

A0 (Offset): -0.001882  
 A1 (Gain): 2.187876  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999568  
 Std Error of Est: 0.000602  
 Predicted MDL: 0.000115  
 Predicted MQL: 0.000385

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

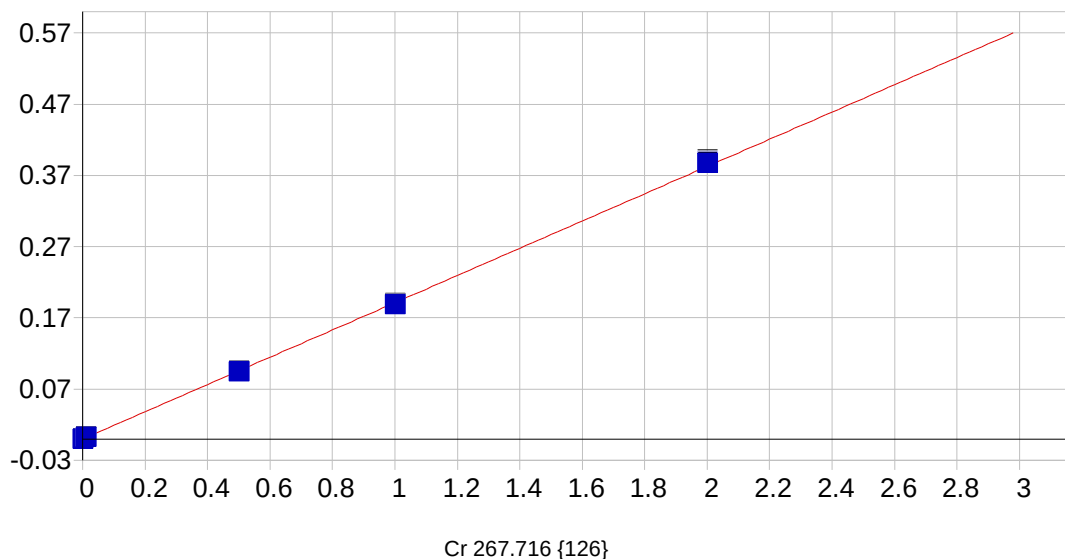
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00188 | .000    | 1        |
| S1        | .00600       | .00644      | .000       | 7.35    | .01223  | .000    | 1        |
| S3        | 1.2500       | 1.1932      | -.057      | -4.55   | 2.6093  | .002    | 1        |
| S4        | 2.5000       | 2.4319      | -.068      | -2.73   | 5.3200  | .006    | 1        |
| S5        | 5.0000       | 5.1245      | .125       | 2.49    | 11.212  | .008    | 1        |



Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001657 Re-Slope: 1.000000  
 A1 (Gain): 0.039439 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999850 Status: OK.  
 Std Error of Est: 0.000373  
 Predicted MDL: 0.024477  
 Predicted MQL: 0.081589

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.1468      | .147       | 7.34    | .08632 | .000    | 1        |
| S0        | .00000       | -.00010     | -.000      | .000    | .00165 | .001    | 1        |
| S3        | 12.500       | 12.304      | -.196      | -1.57   | .48717 | .000    | 1        |
| S4        | 25.000       | 24.552      | -.448      | -1.79   | .97049 | .002    | 1        |
| S5        | 50.000       | 50.497      | .497       | .994    | 1.9943 | .008    | 1        |



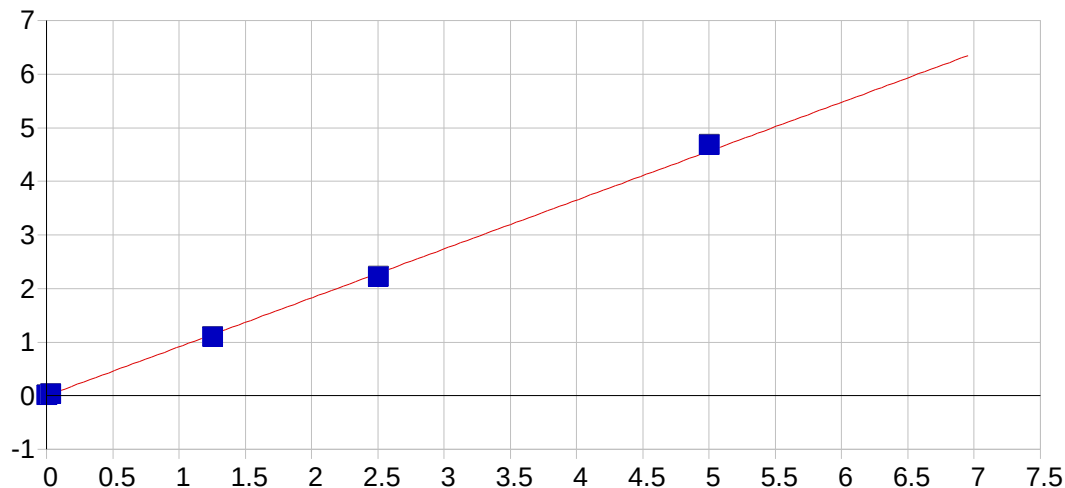
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000060 Re-Slope: 1.000000  
 A1 (Gain): 0.191311 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999861  
 Std Error of Est: 0.000025  
 Predicted MDL: 0.000478  
 Predicted MQL: 0.001595

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00006 | .000    | 1        |
| S1        | .01000       | .01172      | .002       | 17.2    | .00219  | .000    | 1        |
| S3        | .50000       | .49122      | -.009      | -1.76   | .09467  | .001    | 1        |
| S4        | 1.0000       | .98365      | -.016      | -1.64   | .18963  | .001    | 1        |
| S5        | 2.0000       | 2.0234      | .023       | 1.17    | .39005  | .001    | 1        |



Co 228.616 {447}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

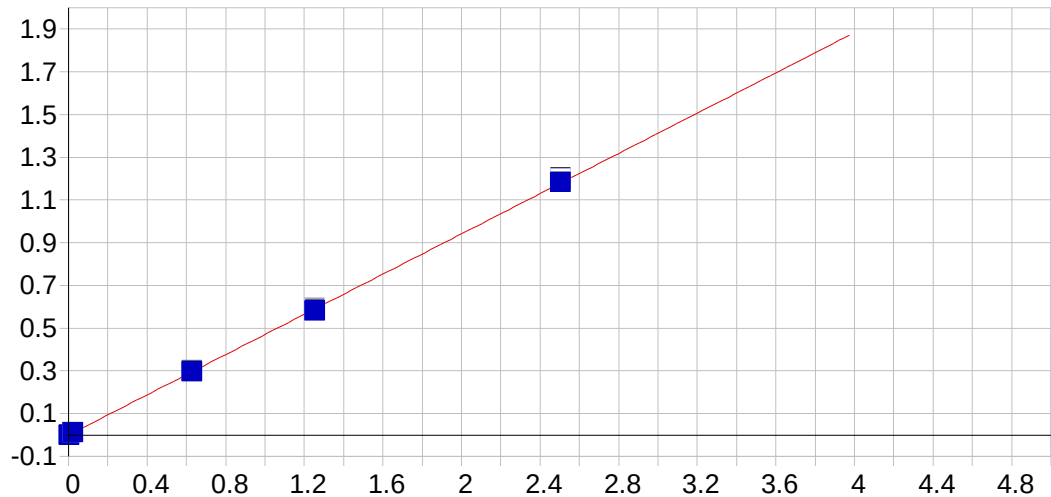
Weighting: 1/Conc

A0 (Offset): -0.000381  
 A1 (Gain): 0.912526  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999513  
 Std Error of Est: 0.000597  
 Predicted MDL: 0.000257  
 Predicted MQL: 0.000856

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    | -.00039 | .000    | 1        |
| S1        | .03000       | .03617      | .006       | 20.6    | .03244  | .000    | 1        |
| S3        | 1.2500       | 1.1961      | -.054      | -4.32   | 1.0919  | .003    | 1        |
| S4        | 2.5000       | 2.4277      | -.072      | -2.89   | 2.2168  | .002    | 1        |
| S5        | 5.0000       | 5.1201      | .120       | 2.40    | 4.6754  | .007    | 1        |

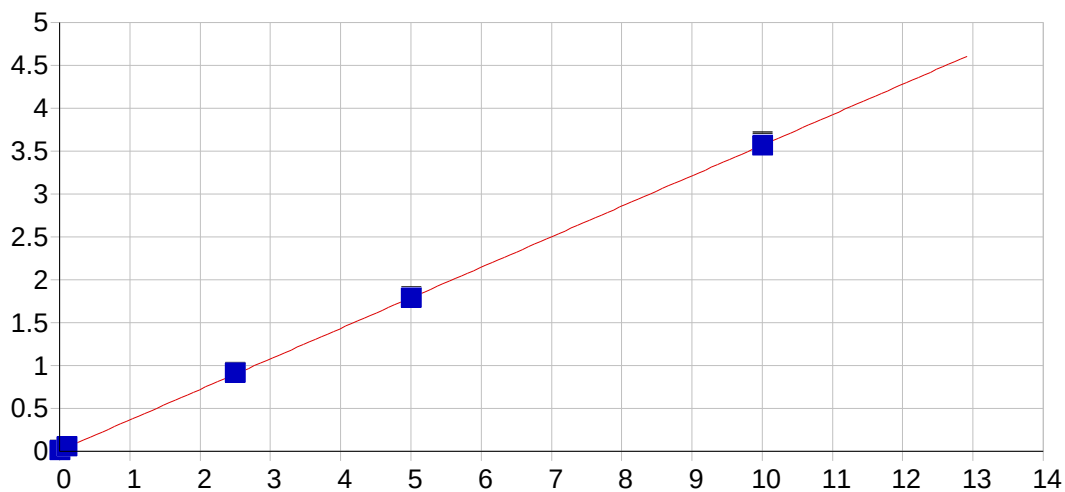


Cu 224.700 {450}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000157 Re-Slope: 1.000000  
 A1 (Gain): 0.470890 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999884 Status: OK.  
 Std Error of Est: 0.000088  
 Predicted MDL: 0.000601  
 Predicted MQL: 0.002002

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00016 | .000    | 1        |
| S1        | .02000       | .02410      | .004       | 20.5    | .01133  | .000    | 1        |
| S3        | .62500       | .62537      | .000       | .059    | .29908  | .001    | 1        |
| S4        | 1.2500       | 1.2352      | -.015      | -1.18   | .59101  | .001    | 1        |
| S5        | 2.5000       | 2.5103      | .010       | .413    | 1.2010  | .001    | 1        |



Fe 240.488 {140}

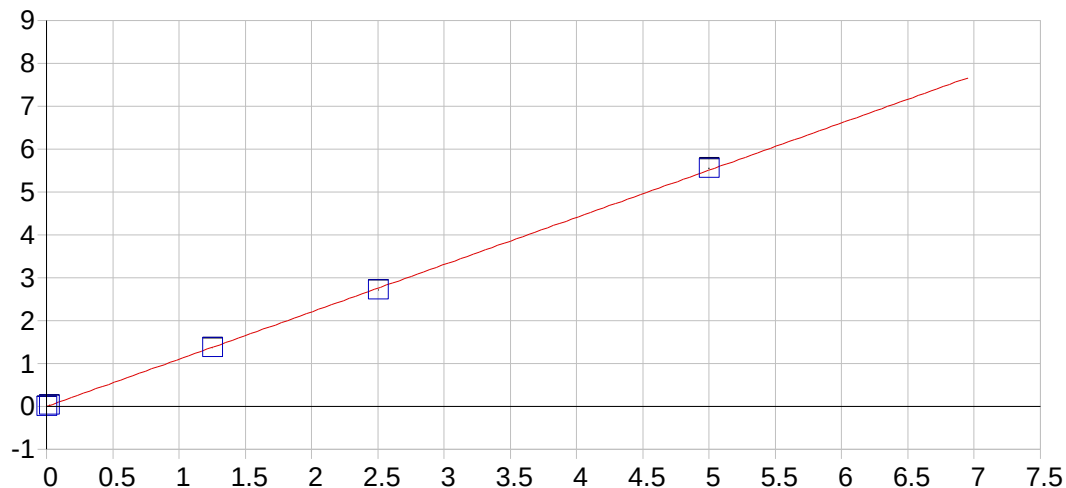
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010122 Re-Slope: 1.000000  
 A1 (Gain): 0.355902 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999828  
 Std Error of Est: 0.000359  
 Predicted MDL: 0.001698  
 Predicted MQL: 0.005660

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | -.000      | .000    | .01011 | .000    | 1        |
| S1        | .10000       | .12396      | .024       | 24.0    | .05441 | .001    | 1        |
| S3        | 2.5000       | 2.5230      | .023       | .920    | .91139 | .006    | 1        |
| S4        | 5.0000       | 4.9801      | -.020      | -.398   | 1.7892 | .010    | 1        |
| S5        | 10.000       | 9.9729      | -.027      | -.271   | 3.5728 | .031    | 1        |



Mn 257.610 {131}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

Weighting: 1/Conc

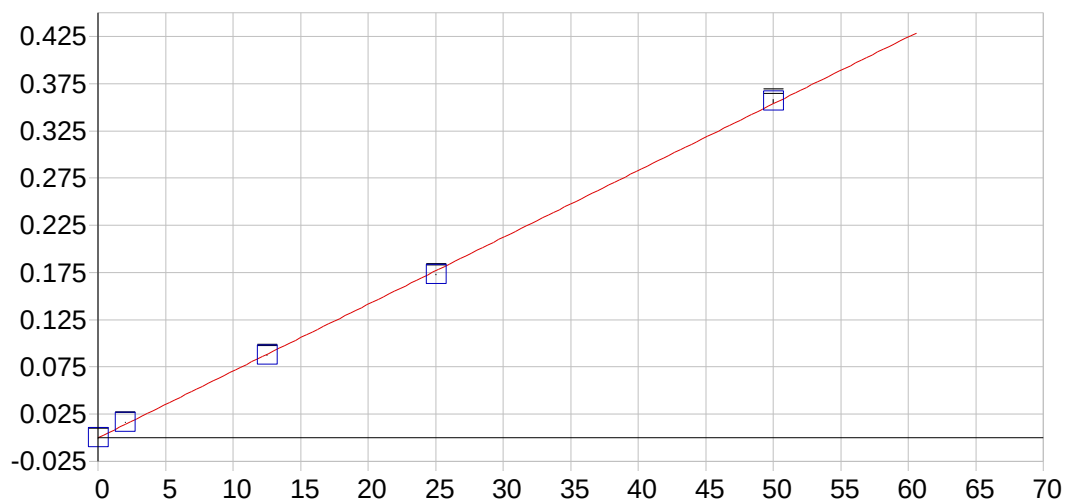
A0 (Offset): -0.000081  
 A1 (Gain): 1.102130  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999883  
 Std Error of Est: 0.000288  
 Predicted MDL: 0.000075  
 Predicted MQL: 0.000251

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    | -.00009 | .000    | 1        |
| S1        | .02000       | .02473      | .005       | 23.7    | .02718  | .000    | 1        |
| S3        | 1.2500       | 1.2402      | -.010      | -.787   | 1.3667  | .004    | 1        |
| S4        | 2.5000       | 2.4640      | -.036      | -1.44   | 2.7156  | .002    | 1        |
| S5        | 5.0000       | 5.0411      | .041       | .821    | 5.5558  | .014    | 1        |



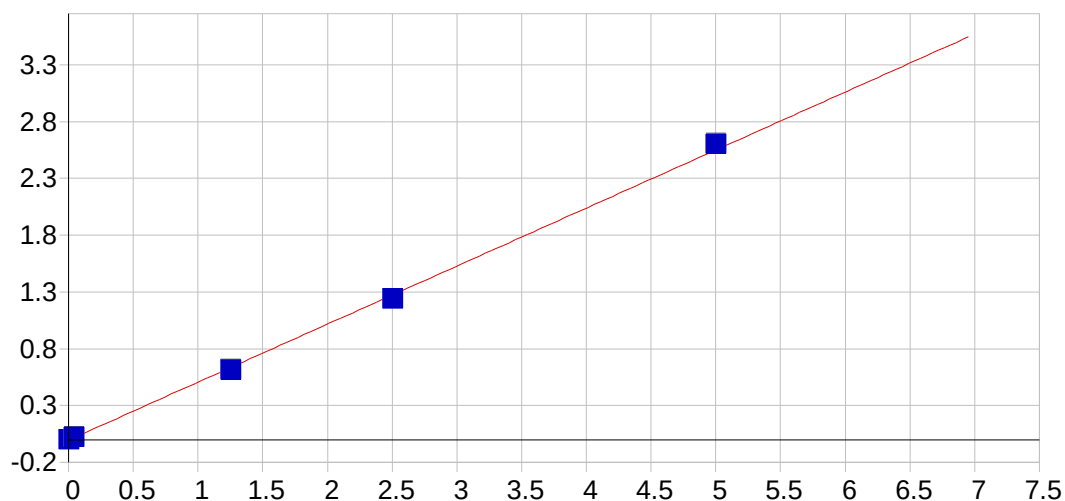


Mg 279.079 {121}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000185 Re-Slope: 1.000000  
 A1 (Gain): 0.007077 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999625 Status: OK.  
 Std Error of Est: 0.000106  
 Predicted MDL: 0.064667  
 Predicted MQL: 0.215557

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.3165      | .317       | 15.8    | .01621  | .000    | 1        |
| S0        | .00000       | -.00026     | -.000      | .000    | -.00019 | .000    | 1        |
| S3        | 12.500       | 12.356      | -.144      | -1.15   | .08726  | .001    | 1        |
| S4        | 25.000       | 24.444      | -.556      | -2.22   | .17281  | .001    | 1        |
| S5        | 50.000       | 50.383      | .383       | .767    | .35639  | .002    | 1        |



Ni 231.604 {445}

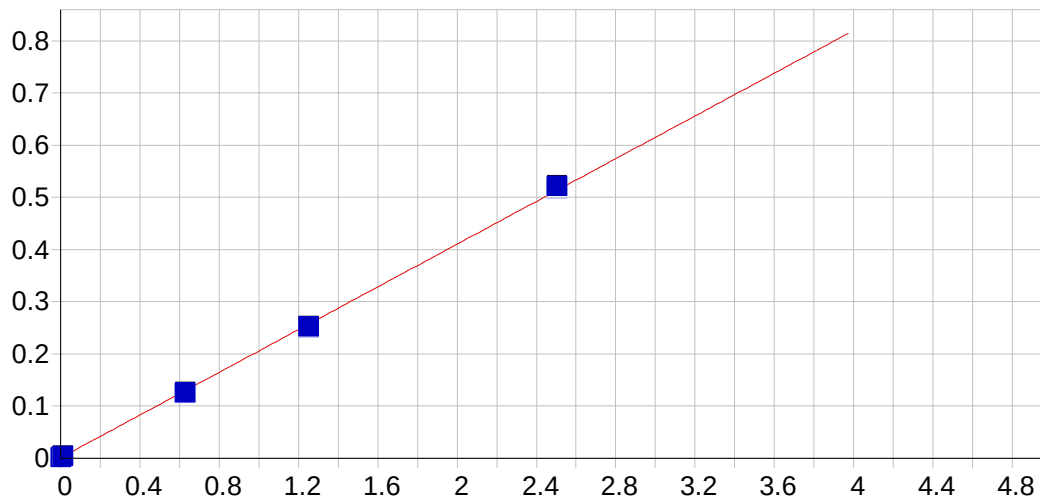
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004929 Re-Slope: 1.000000  
 A1 (Gain): 0.510808 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999609  
 Std Error of Est: 0.000346  
 Predicted MDL: 0.000481  
 Predicted MQL: 0.001605

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | -.00493 | .000    | 1        |
| S1        | .04000       | .04748      | .007       | 18.7    | .01934  | .000    | 1        |
| S3        | 1.2500       | 1.2074      | -.043      | -3.41   | .61252  | .002    | 1        |
| S4        | 2.5000       | 2.4313      | -.069      | -2.75   | 1.2384  | .000    | 1        |
| S5        | 5.0000       | 5.1039      | .104       | 2.08    | 2.6050  | .002    | 1        |



Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

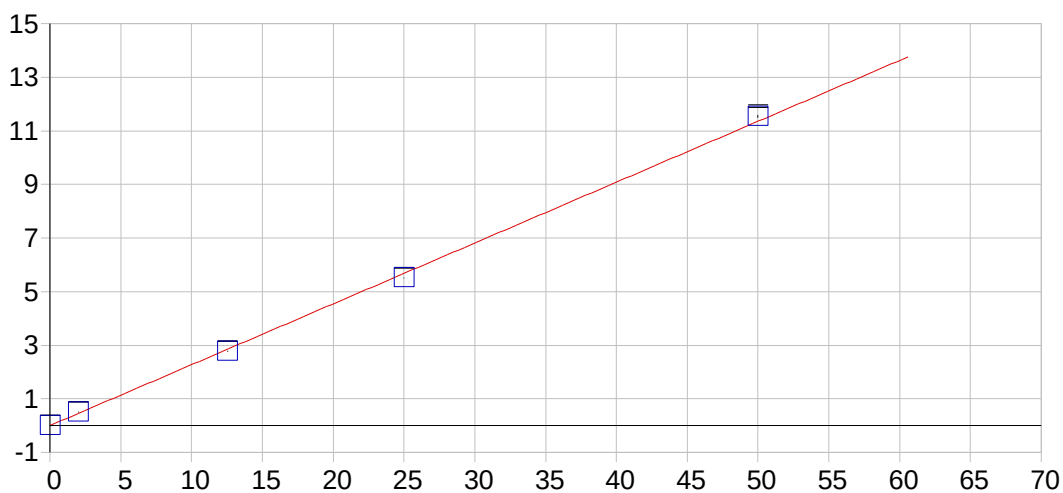
Weighting: 1/Conc

A0 (Offset): 0.000975  
 A1 (Gain): 0.204784  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999779  
 Std Error of Est: 0.000036  
 Predicted MDL: 0.000669  
 Predicted MQL: 0.002229

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    | .00097 | .000    | 1        |
| S1        | .01000       | .01160      | .002       | 16.0    | .00331 | .000    | 1        |
| S3        | .62500       | .60897      | -.016      | -2.56   | .12423 | .001    | 1        |
| S4        | 1.2500       | 1.2236      | -.026      | -2.11   | .24865 | .001    | 1        |
| S5        | 2.5000       | 2.5408      | .041       | 1.63    | .51549 | .002    | 1        |

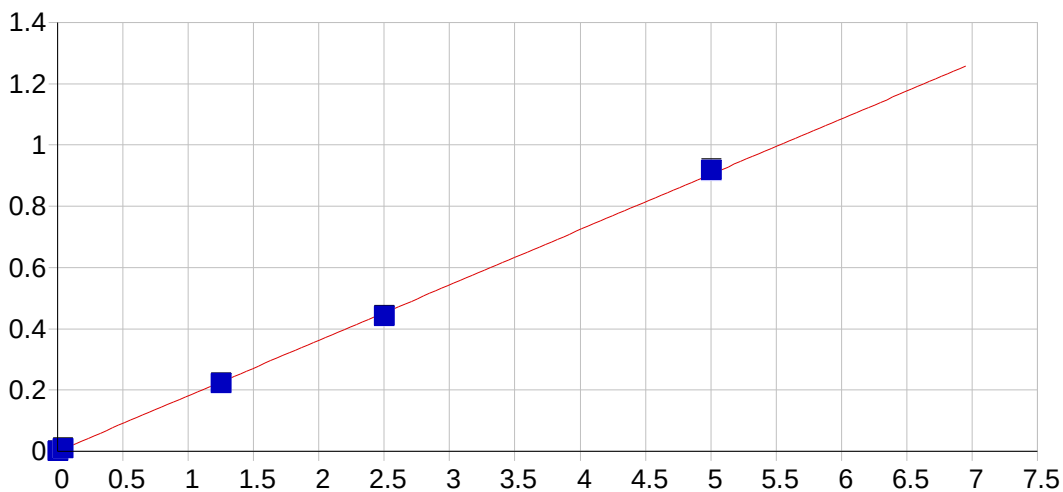


Na 589.592 { 57}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000283 Re-Slope: 1.000000  
 A1 (Gain): 0.227094 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999660 Status: OK.  
 Std Error of Est: 0.003235  
 Predicted MDL: 0.014334  
 Predicted MQL: 0.047782

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S2        | 2.0000       | 2.2078      | .208       | 10.4    | .50165 | .003    | 1        |
| S0        | .00000       | -.00014     | -.000      | .000    | .00025 | .005    | 1        |
| S3        | 12.500       | 12.229      | -.271      | -2.17   | 2.7774 | .006    | 1        |
| S4        | 25.000       | 24.275      | -.725      | -2.90   | 5.5129 | .008    | 1        |
| S5        | 50.000       | 50.789      | .789       | 1.58    | 11.534 | .054    | 1        |



V 292.402 {115}

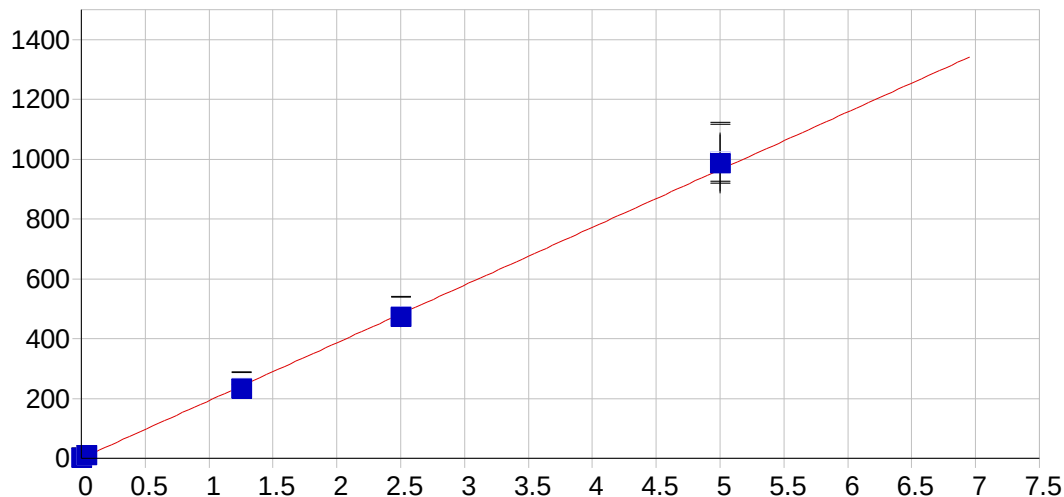
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000365 Re-Slope: 1.000000  
 A1 (Gain): 0.180857 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999692  
 Std Error of Est: 0.000108  
 Predicted MDL: 0.000591  
 Predicted MQL: 0.001969

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00036 | .000    | 1        |
| S1        | .04000       | .04952      | .010       | 23.8    | .00921 | .000    | 1        |
| S3        | 1.2500       | 1.2241      | -.026      | -2.07   | .22027 | .000    | 1        |
| S4        | 2.5000       | 2.4408      | -.059      | -2.37   | .43885 | .001    | 1        |
| S5        | 5.0000       | 5.0756      | .076       | 1.51    | .91242 | .004    | 1        |



Zn 206.200 {163}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

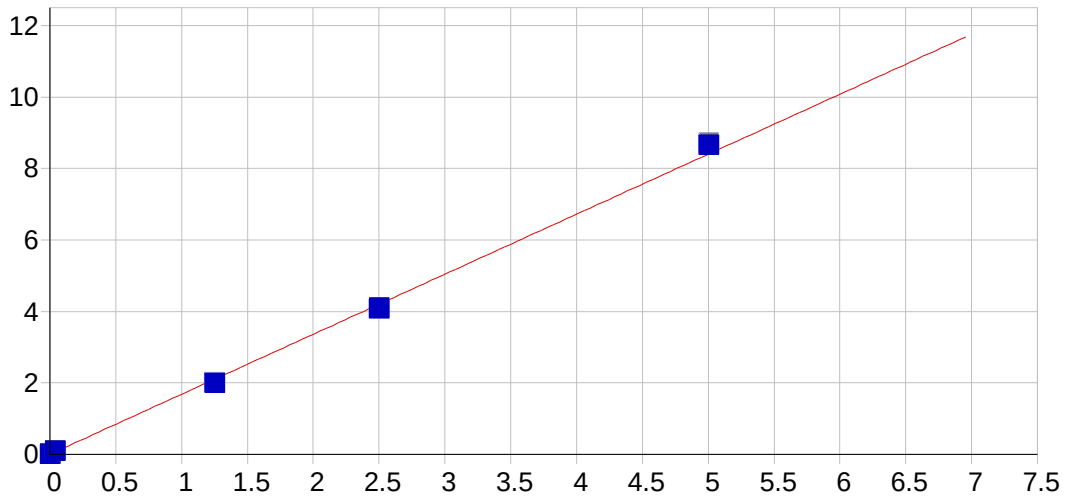
Weighting: 1/Conc

A0 (Offset): 0.097073  
 A1 (Gain): 192.963806  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999656  
 Std Error of Est: 0.123237  
 Predicted MDL: 0.000307  
 Predicted MQL: 0.001023

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    | .09635 | .082    | 1        |
| S1        | .04000       | .04543      | .005       | 13.6    | 8.9135 | .241    | 1        |
| S3        | 1.2500       | 1.2016      | -.048      | -3.87   | 233.42 | 20.3    | 1        |
| S4        | 2.5000       | 2.4406      | -.059      | -2.38   | 473.95 | 33.1    | 1        |
| S5        | 5.0000       | 5.1024      | .102       | 2.05    | 990.52 | 97.9    | 1        |

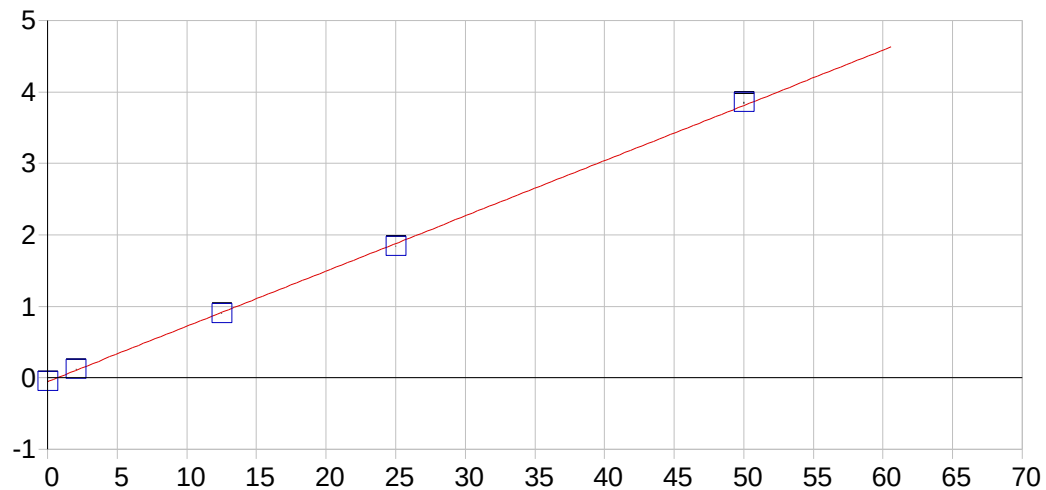


Zn 213.856 {458}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.002957 Re-Slope: 1.000000  
 A1 (Gain): 1.679440 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999325 Status: OK.  
 Std Error of Est: 0.001503  
 Predicted MDL: 0.000113  
 Predicted MQL: 0.000378

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00295 | .000    | 1        |
| S1        | .04000       | .04691      | .007       | 17.3    | .08221 | .000    | 1        |
| S3        | 1.2500       | 1.1794      | -.071      | -5.65   | 1.9970 | .000    | 1        |
| S4        | 2.5000       | 2.4188      | -.081      | -3.25   | 4.0919 | .004    | 1        |
| S5        | 5.0000       | 5.1450      | .145       | 2.90    | 8.6972 | .007    | 1        |



K 766.490 {44}

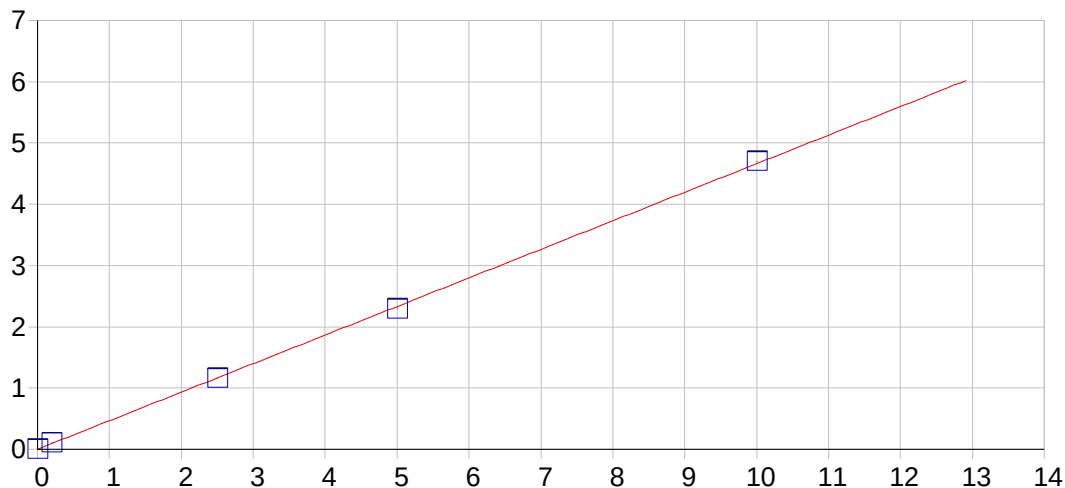
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.051544 Re-Slope: 1.000000  
 A1 (Gain): 0.077255 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999821  
 Std Error of Est: 0.000798  
 Predicted MDL: 0.052667  
 Predicted MQL: 0.175555

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S2        | 2.0000       | 2.1710      | .171       | 8.55    | .11618  | .001    | 1        |
| S0        | .00000       | -.00013     | -.000      | .000    | -.05155 | .002    | 1        |
| S3        | 12.500       | 12.354      | -.146      | -1.17   | .90288  | .001    | 1        |
| S4        | 25.000       | 24.480      | -.520      | -2.08   | 1.8397  | .004    | 1        |
| S5        | 50.000       | 50.495      | .495       | .989    | 3.8494  | .017    | 1        |



Mo 202.030 {467}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

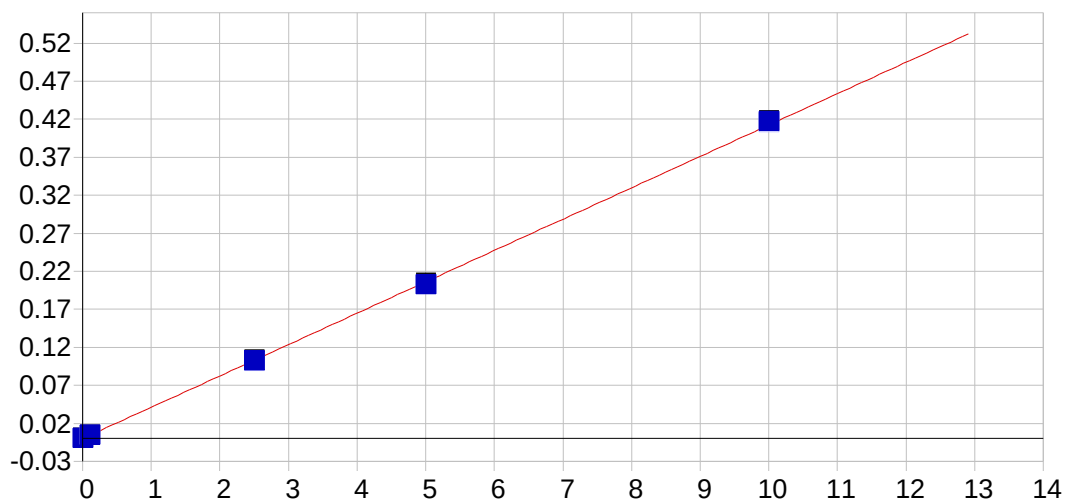
Weighting: 1/Conc

A0 (Offset): 0.000419  
 A1 (Gain): 0.466232  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999823  
 Std Error of Est: 0.000674  
 Predicted MDL: 0.000352  
 Predicted MQL: 0.001172

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    | .00041 | .000    | 1        |
| S1        | .20000       | .22837      | .028       | 14.2    | .10689 | .000    | 1        |
| S3        | 2.5000       | 2.4755      | -.025      | -.980   | 1.1546 | .002    | 1        |
| S4        | 5.0000       | 4.9171      | -.083      | -1.66   | 2.2929 | .004    | 1        |
| S5        | 10.000       | 10.079      | .079       | .791    | 4.6996 | .006    | 1        |

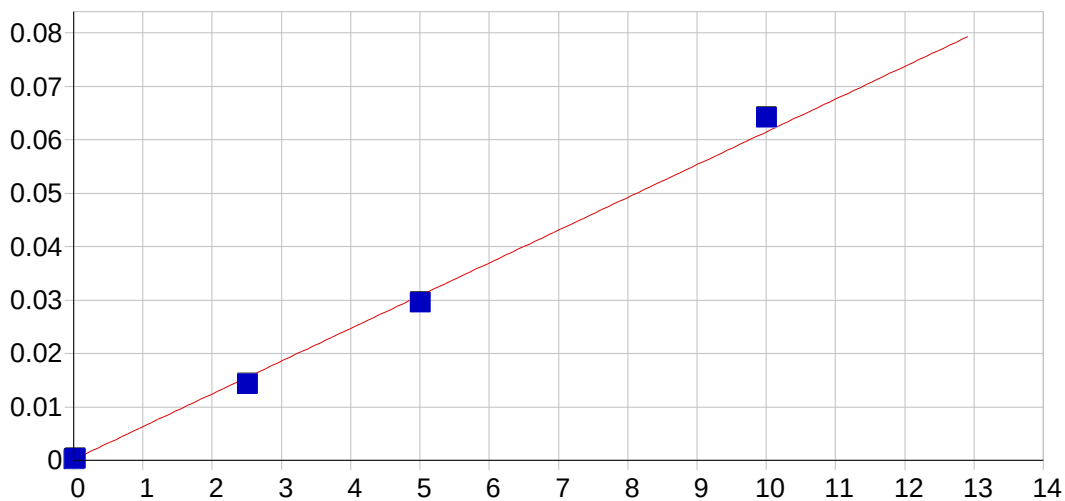


B 249.678 {135}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000067 Re-Slope: 1.000000  
 A1 (Gain): 0.041234 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999912 Status: OK.  
 Std Error of Est: 0.000030  
 Predicted MDL: 0.009739  
 Predicted MQL: 0.032463

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00007 | .000    | 1        |
| S1        | .10000       | .10625      | .006       | 6.25    | .00430  | .000    | 1        |
| S3        | 2.5000       | 2.4743      | -.026      | -1.03   | .10172  | .001    | 1        |
| S4        | 5.0000       | 4.9168      | -.083      | -1.66   | .20219  | .002    | 1        |
| S5        | 10.000       | 10.103      | .103       | 1.03    | .41554  | .002    | 1        |



S 182.034 {485}

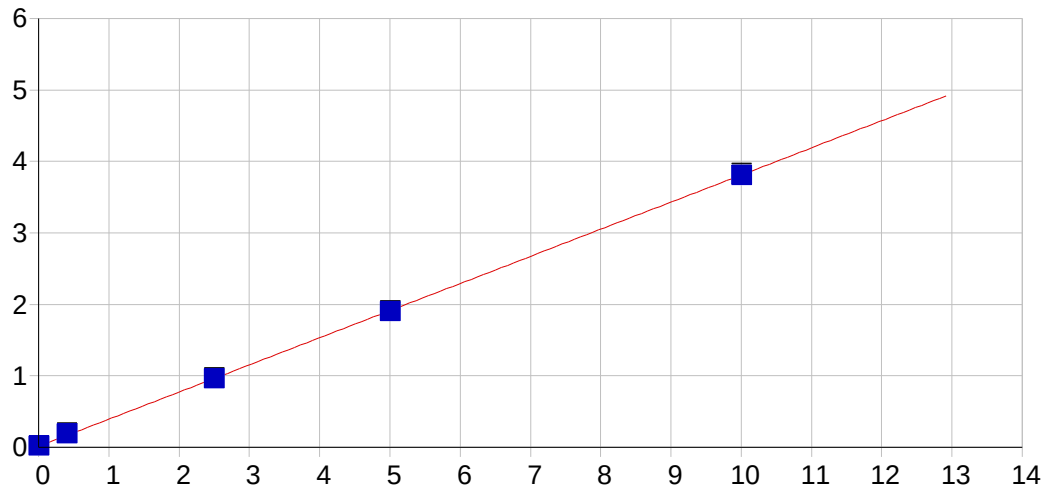
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000174 Re-Slope: 1.000000  
 A1 (Gain): 0.006131 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998718  
 Std Error of Est: 0.000007  
 Predicted MDL: 0.014989  
 Predicted MQL: 0.049962

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00017 | .000    | 1        |
| S1        | .02000       | .01588      | -.004      | -20.6   | .00027 | .000    | 1        |
| S3        | 2.5000       | 2.2930      | -.207      | -8.28   | .01421 | .000    | 1        |
| S4        | 5.0000       | 4.7879      | -.212      | -4.24   | .02949 | .000    | 1        |
| S5        | 10.000       | 10.423      | .423       | 4.23    | .06401 | .000    | 1        |



Si 288.158 {117}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

Weighting: 1/Conc

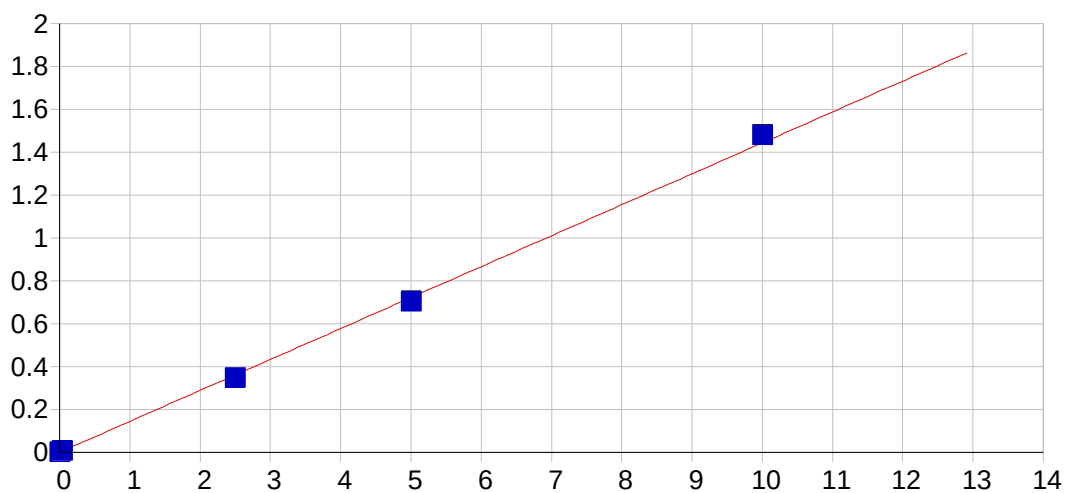
A0 (Offset): 0.014431  
 A1 (Gain): 0.379588  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999668  
 Std Error of Est: 0.001068  
 Predicted MDL: 0.002983  
 Predicted MQL: 0.009945

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       | -.00006     | -.000      | .000    | .01441 | .001    | 1        |
| S1        | .40000       | .46778      | .068       | 16.9    | .19187 | .002    | 1        |
| S3        | 2.5000       | 2.4924      | -.008      | -.306   | .95999 | .004    | 1        |
| S4        | 5.0000       | 4.9601      | -.040      | -.798   | 1.8962 | .010    | 1        |
| S5        | 10.000       | 9.9798      | -.020      | -.202   | 3.8006 | .026    | 1        |



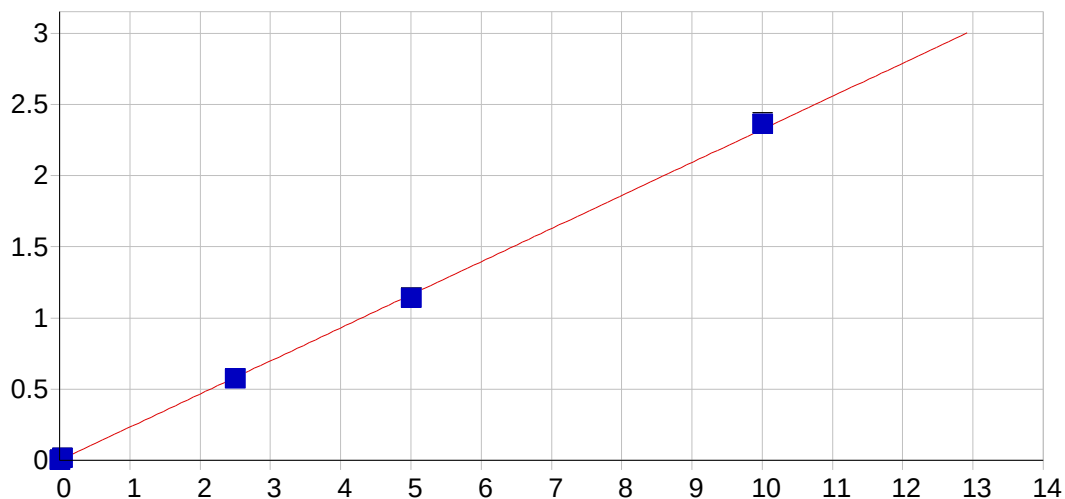


Sn 189.989 {477}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000432 Re-Slope: 1.000000  
 A1 (Gain): 0.144296 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999561 Status: OK.  
 Std Error of Est: 0.000146  
 Predicted MDL: 0.000784  
 Predicted MQL: 0.002613

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | .00043 | .000    | 1        |
| S1        | .04000       | .04601      | .006       | 15.0    | .00707 | .000    | 1        |
| S3        | 2.5000       | 2.3923      | -.108      | -4.31   | .34569 | .001    | 1        |
| S4        | 5.0000       | 4.8589      | -.141      | -2.82   | .70167 | .002    | 1        |
| S5        | 10.000       | 10.243      | .243       | 2.43    | 1.4787 | .002    | 1        |



Ti 336.121 {100}

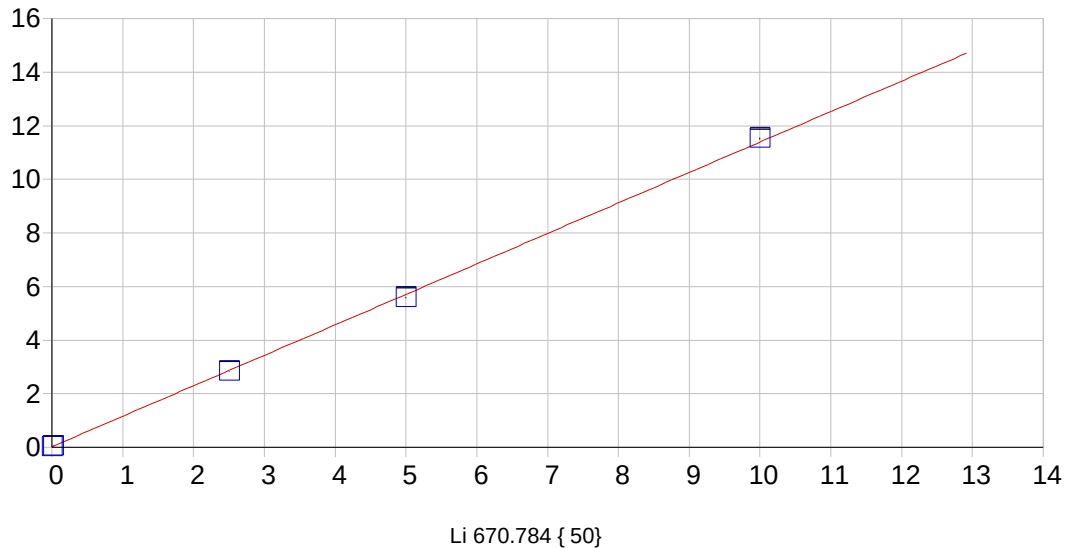
Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001092 Re-Slope: 1.000000  
 A1 (Gain): 0.232362 Y-int: 0.000000

A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999805  
 Std Error of Est: 0.000157  
 Predicted MDL: 0.003106  
 Predicted MQL: 0.010353

Status: OK.

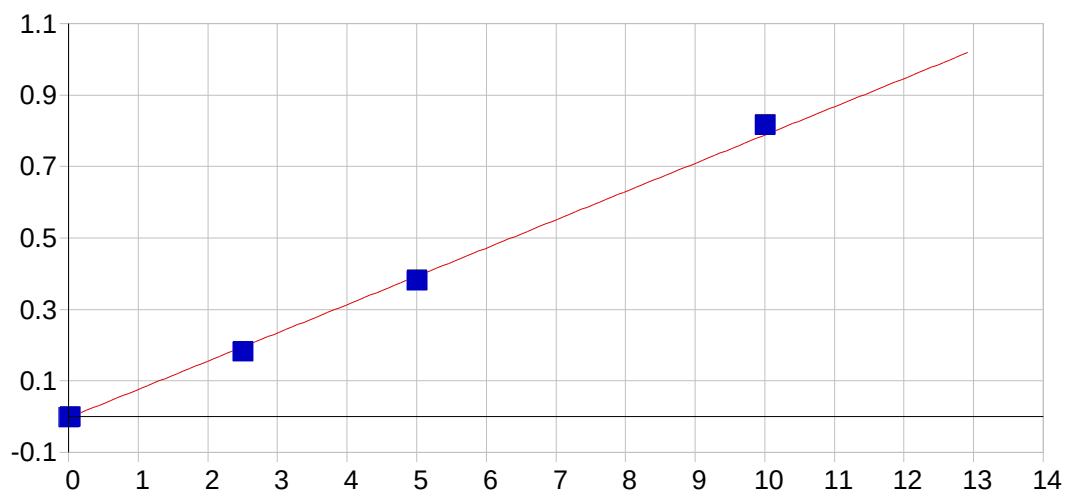
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .00109 | .001    | 1        |
| S1        | .04000       | .04748      | .007       | 18.7    | .01212 | .001    | 1        |
| S3        | 2.5000       | 2.4448      | -.055      | -2.21   | .56911 | .003    | 1        |
| S4        | 5.0000       | 4.8992      | -.101      | -2.02   | 1.1393 | .001    | 1        |
| S5        | 10.000       | 10.148      | .148       | 1.48    | 2.3589 | .008    | 1        |



Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.021724 Re-Slope: 1.000000  
 A1 (Gain): 1.136931 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999834 Status: OK.  
 Std Error of Est: 0.000500  
 Predicted MDL: 0.003059  
 Predicted MQL: 0.010196

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | -.000      | .000    | .02172 | .002    | 1        |
| S1        | .02000       | .02663      | .007       | 33.2    | .05200 | .002    | 1        |
| S3        | 2.5000       | 2.4752      | -.025      | -.991   | 2.8359 | .014    | 1        |
| S4        | 5.0000       | 4.9004      | -.100      | -1.99   | 5.5932 | .018    | 1        |
| S5        | 10.000       | 10.118      | .118       | 1.18    | 11.525 | .033    | 1        |

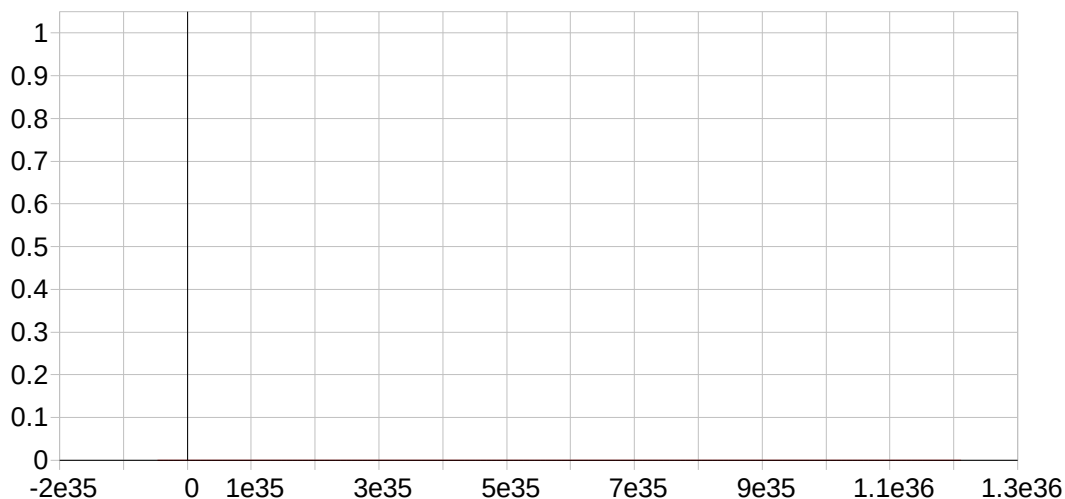


P 177.495 {490}

Date of Fit: 3/1/2019 11:56:57 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002903 Re-Slope: 1.000000  
 A1 (Gain): 0.079104 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999129 Status: OK.  
 Std Error of Est: 0.000080  
 Predicted MDL: 0.001616  
 Predicted MQL: 0.005387

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00290 | .000    | 1        |
| S1        | .02000       | .02067      | .001       | 3.34    | -.00127 | .000    | 1        |
| S3        | 2.5000       | 2.3218      | -.178      | -7.13   | .18048  | .001    | 1        |
| S4        | 5.0000       | 4.8307      | -.169      | -3.39   | .37866  | .002    | 1        |
| S5        | 10.000       | 10.347      | .347       | 3.47    | .81442  | .001    | 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

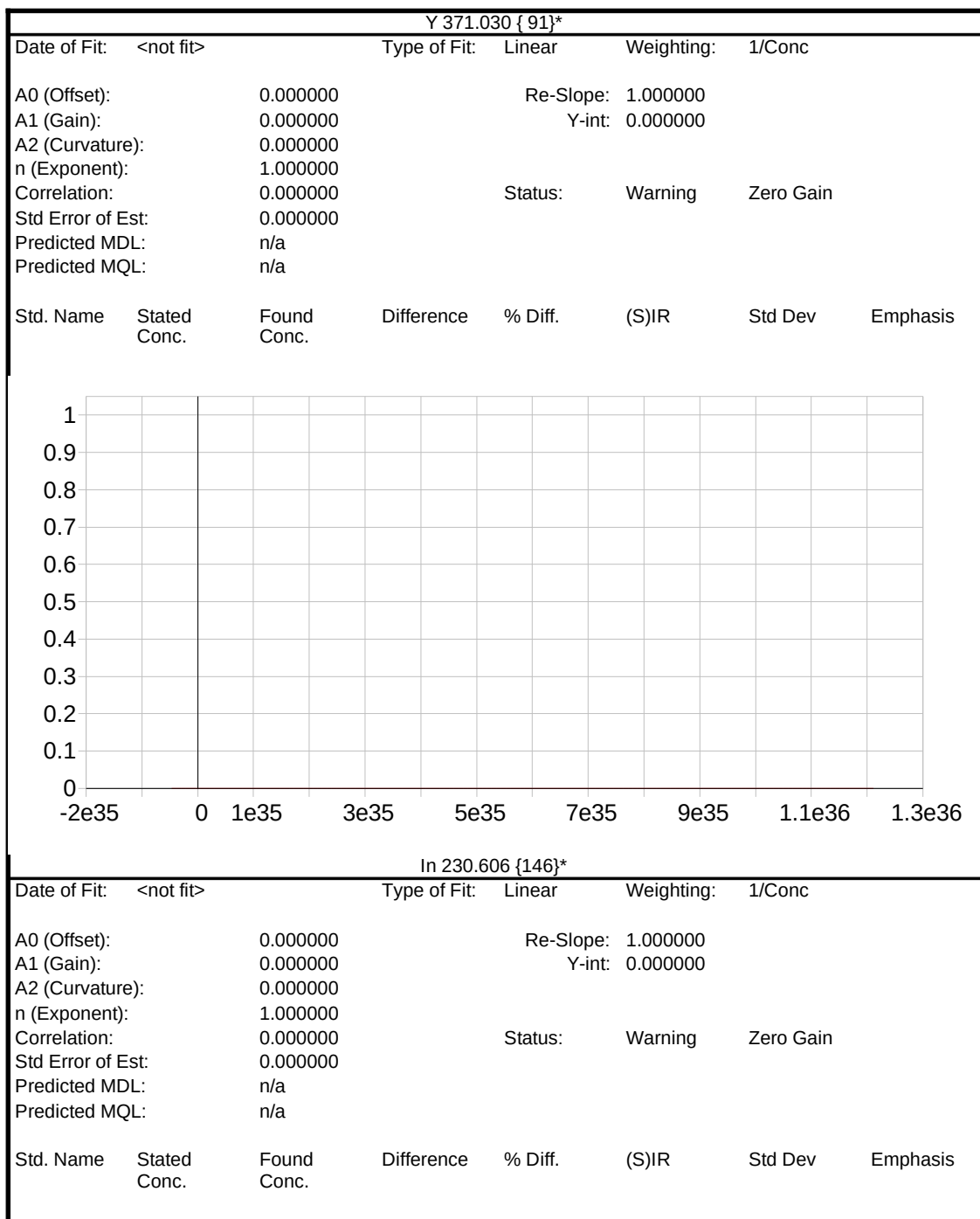
Status:      Warning      Zero Gain

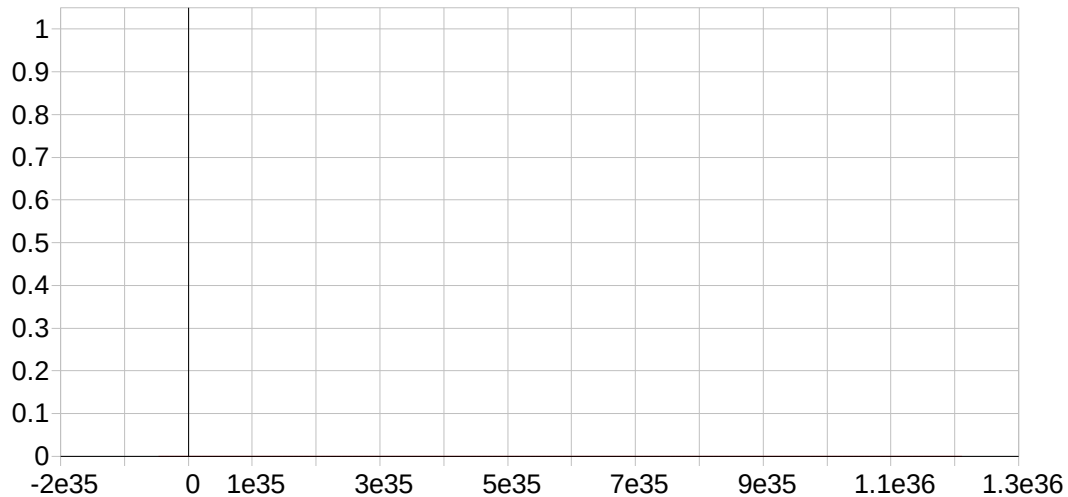
|              |           |              |        |            |        |
|--------------|-----------|--------------|--------|------------|--------|
| Date of Fit: | <not fit> | Type of Fit: | Linear | Weighting: | 1/Conc |
|--------------|-----------|--------------|--------|------------|--------|

Re-Slope: 1.000000  
Y-int: 0.000000

Status:      Warning      Zero Gain

The figure shows a blank coordinate system. The x-axis is labeled with values: -2e35, 0, 1e35, 3e35, 5e35, 7e35, 9e35, 1.1e36, and 1.3e36. The y-axis is labeled with values from 0 to 1 in increments of 0.1. A vertical line is drawn at x=0, and a horizontal line is drawn at y=0. The grid consists of 10 major squares along the x-axis and 10 major squares along the y-axis.





In 230.606 {446}\*

Date of Fit: <not fit>

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000000

Re-Slope: 1.000000

A1 (Gain): 0.000000

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.000000

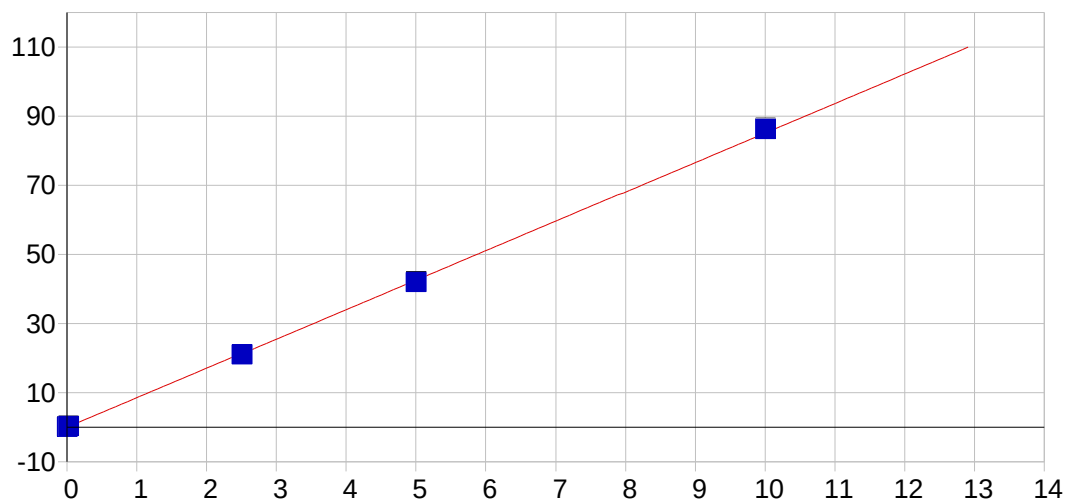
Status: Warning Zero Gain

Std Error of Est: 0.000000

Predicted MDL: n/a

Predicted MQL: n/a

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



Sr 407.771 { 83}

Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.009261

Re-Slope: 1.000000

A1 (Gain): 8.513252

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999882

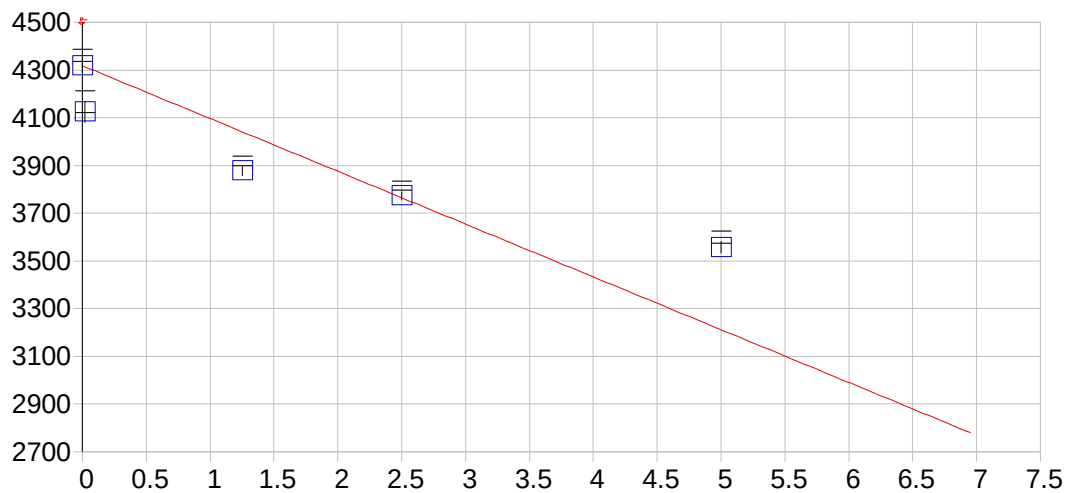
Status: OK.

Std Error of Est: 0.003161

Predicted MDL: 0.000160

Predicted MQL: 0.000534

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00000     | -.000      | .000    | -.00928 | .001    | 1        |
| S1        | .02000       | .02257      | .003       | 12.8    | .18382  | .002    | 1        |
| S3        | 2.5000       | 2.4574      | -.043      | -1.70   | 20.935  | .065    | 1        |
| S4        | 5.0000       | 4.9137      | -.086      | -1.73   | 41.869  | .139    | 1        |
| S5        | 10.000       | 10.126      | .126       | 1.26    | 86.292  | .112    | 1        |



Date of Fit: 3/1/2019 11:56:57

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 4318.202469

Re-Slope: 1.000000

A1 (Gain): -221.298327

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.435924

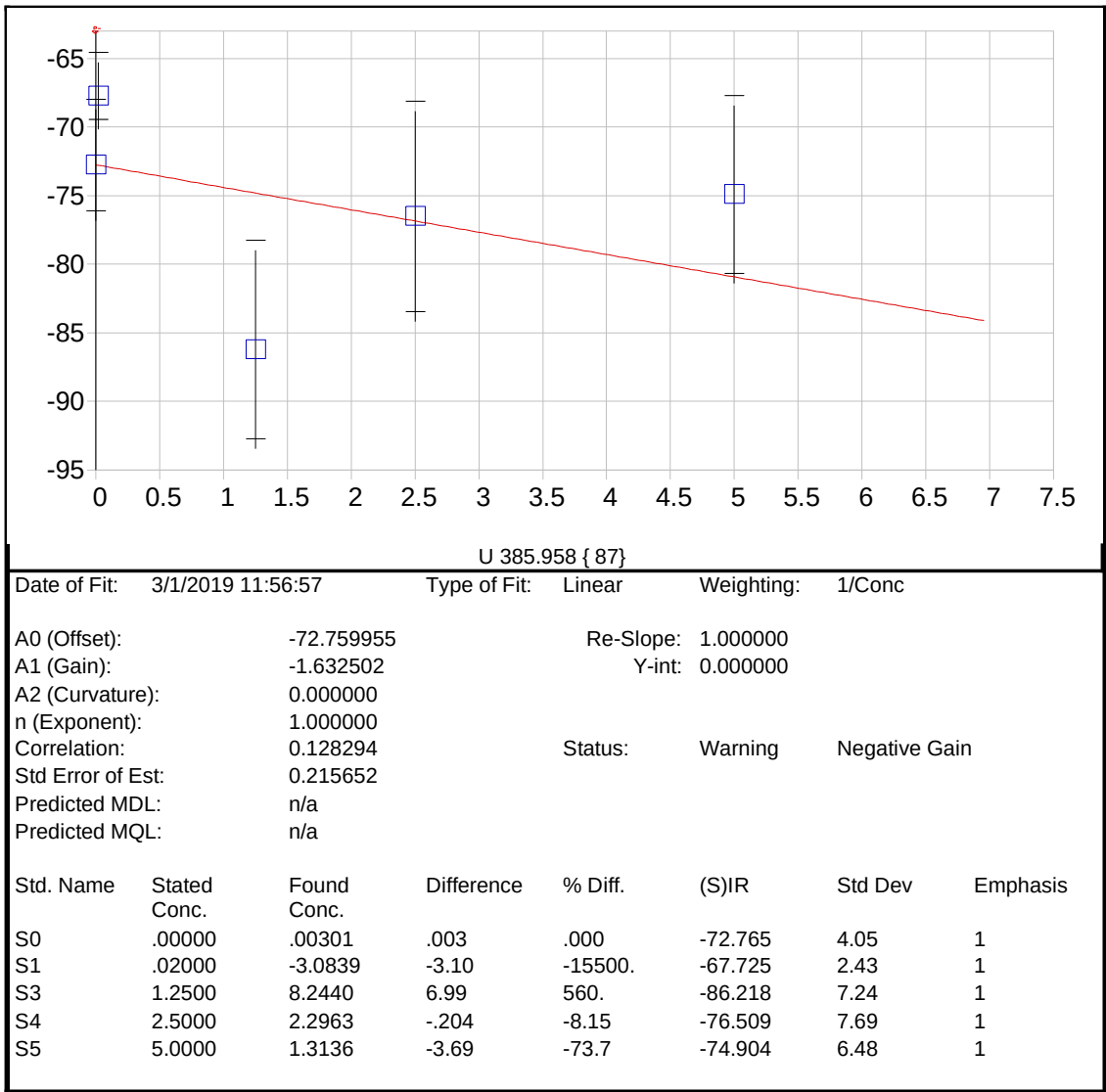
Status: Warning Negative Gain

Std Error of Est: 7.807474

Predicted MDL: n/a

Predicted MQL: n/a

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00086     | -.001      | .000    | 4318.4 | 25.7    | 1        |
| S1        | .02000       | .87336      | .853       | 4270.   | 4124.9 | 45.2    | 1        |
| S3        | 1.2500       | 1.9946      | .745       | 59.6    | 3876.8 | 20.7    | 1        |
| S4        | 2.5000       | 2.4624      | -.038      | -1.50   | 3773.3 | 18.7    | 1        |
| S5        | 5.0000       | 3.4396      | -1.56      | -31.2   | 3557.0 | 25.0    | 1        |





Sample Name: S0      Acquired: 3/1/2019 11:23:35      Type: Cal  
Method: P4-ICP2(v2905)      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    | -.00009 | -.00003 | .00386 | -.00041 | .00059 | .00061 | .09607 | .00013 |
| Stddev | .00004  | .00009  | .00018 | .00014  | .00010 | .00003 | .00206 | .00002 |
| %RSD   | 50.885  | 255.22  | 4.6359 | 34.535  | 16.445 | 4.2992 | 2.1419 | 18.301 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00005 | .00005  | .00367 | -.00030 | .00066 | .00061 | .09479 | .00016 |
| #2 | -.00014 | -.00004 | .00401 | -.00056 | .00064 | .00059 | .09845 | .00012 |
| #3 | -.00007 | -.00012 | .00391 | -.00036 | .00048 | .00064 | .09499 | .00011 |

|        |         |        |         |         |         |        |         |         |
|--------|---------|--------|---------|---------|---------|--------|---------|---------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | Cts/S   | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S   | Cts/S   |
| Avg    | -.00188 | .00165 | -.00006 | -.00039 | -.00016 | .01011 | -.00009 | -.00019 |
| Stddev | .00005  | .00111 | .00008  | .00015  | .00023  | .00035 | .00008  | .00014  |
| %RSD   | 2.6580  | 66.964 | 133.56  | 37.716  | 143.75  | 3.4919 | 94.466  | 74.339  |

|    |         |        |         |         |         |        |         |         |
|----|---------|--------|---------|---------|---------|--------|---------|---------|
| #1 | -.00183 | .00041 | -.00011 | -.00032 | -.00004 | .01052 | -.00018 | -.00033 |
| #2 | -.00190 | .00252 | .00003  | -.00028 | -.00002 | .00995 | -.00005 | -.00018 |
| #3 | -.00192 | .00203 | -.00010 | -.00055 | -.00042 | .00987 | -.00003 | -.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    | -.00493 | .00097 | .00025 | .00036 | .00295 | -.05155 | .00041 | -.00007 |
| Stddev | .00006  | .00014 | .00521 | .00001 | .00017 | .00163  | .00016 | .00024  |
| %RSD   | 1.2033  | 13.908 | 2070.1 | 2.9567 | 5.6166 | 3.1521  | 39.830 | 357.79  |

|    |         |        |         |        |        |         |        |         |
|----|---------|--------|---------|--------|--------|---------|--------|---------|
| #1 | -.00486 | .00109 | -.00032 | .00038 | .00309 | -.05343 | .00025 | -.00008 |
| #2 | -.00497 | .00101 | -.00465 | .00036 | .00299 | -.05069 | .00057 | .00018  |
| #3 | -.00496 | .00082 | .00572  | .00036 | .00277 | -.05054 | .00041 | -.00030 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .00017 | .01441 | .00043 | .00109 | .02172 | -.0029 | -.00928 | 4318.4 |
| Stddev | .00011 | .00056 | .00008 | .00062 | .00224 | .0001  | .00073  | 25.7   |
| %RSD   | 64.870 | 3.9048 | 17.815 | 56.480 | 10.302 | 2.772  | 7.8906  | .59547 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .00030 | .01505 | .00047 | .00118 | .02348 | -.0029 | -.00870 | 4288.8 |
| #2 | .00014 | .01418 | .00034 | .00166 | .01920 | -.0030 | -.00903 | 4335.1 |
| #3 | .00008 | .01399 | .00049 | .00043 | .02248 | -.0028 | -.01010 | 4331.3 |

Sample Name: S0      Acquired: 3/1/2019 11:23:35      Type: Cal  
Method: P4-ICP2(v2905)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -72.765 |
| Stddev | 4.045   |
| %RSD   | 5.5594  |

|    |         |
|----|---------|
| #1 | -71.877 |
| #2 | -77.180 |
| #3 | -69.237 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3826.3 | 44433. | 3663.6 | 17.400 | 4264.2 |
| Stddev    | 11.2   | 94.    | 10.6   | 2.042  | 6.7    |
| %RSD      | .29187 | .21196 | .28972 | 11.736 | .15814 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3815.1 | 44327. | 3671.3 | 19.700 | 4256.5 |
| #2 | 3837.4 | 44464. | 3651.5 | 15.800 | 4269.0 |
| #3 | 3826.3 | 44507. | 3668.0 | 16.700 | 4267.2 |

Sample Name: S1      Acquired: 3/1/2019 11:28:01      Type: Cal  
Method: P4-ICP2(v2905)      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    | .00083 | .00395 | .00715 | .00073 | .00639 | .00156 | .16759 | .00571 |
| Stddev | .00004 | .00009 | .00023 | .00016 | .00026 | .00004 | .00416 | .00003 |
| %RSD   | 4.7618 | 2.1705 | 3.1679 | 21.742 | 4.0817 | 2.8239 | 2.4841 | .45617 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00085 | .00404 | .00729 | .00056 | .00669 | .00152 | .16440 | .00570 |
| #2 | .00078 | .00393 | .00689 | .00088 | .00629 | .00154 | .16606 | .00574 |
| #3 | .00085 | .00387 | .00727 | .00074 | .00619 | .00161 | .17230 | .00569 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01223 | .00219 | .03244 | .01133 | .05441 | .02718 | .01934 | .00331 |
| Stddev | .00024 | .00008 | .00020 | .00033 | .00095 | .00011 | .00028 | .00008 |
| %RSD   | 1.9560 | 3.8181 | .60642 | 2.9258 | 1.7413 | .41178 | 1.4446 | 2.4994 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01201 | .00227 | .03265 | .01123 | .05332 | .02707 | .01902 | .00338 |
| #2 | .01221 | .00210 | .03240 | .01107 | .05503 | .02729 | .01943 | .00322 |
| #3 | .01249 | .00220 | .03227 | .01171 | .05489 | .02718 | .01956 | .00332 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00921 | .08221 | .10689 | .00430 | .00027 | .19187 | .00707 | .01212 |
| Stddev | .00009 | .00005 | .00035 | .00023 | .00005 | .00248 | .00011 | .00104 |
| %RSD   | 1.0164 | .06256 | .33205 | 5.4419 | 19.178 | 1.2944 | 1.6048 | 8.5788 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00914 | .08225 | .10721 | .00417 | .00025 | .18968 | .00720 | .01113 |
| #2 | .00932 | .08221 | .10651 | .00415 | .00023 | .19137 | .00702 | .01320 |
| #3 | .00917 | .08215 | .10695 | .00457 | .00032 | .19457 | .00699 | .01203 |

|        |        |        |        |        |         |
|--------|--------|--------|--------|--------|---------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | .05200 | -.0013 | .18382 | 4124.9 | -67.725 |
| Stddev | .00179 | .0001  | .00222 | 45.2   | 2.432   |
| %RSD   | 3.4507 | 9.305  | 1.2096 | 1.0954 | 3.5911  |

|    |        |        |        |        |         |
|----|--------|--------|--------|--------|---------|
| #1 | .05066 | -.0013 | .18194 | 4074.9 | -65.469 |
| #2 | .05130 | -.0014 | .18325 | 4137.1 | -70.302 |
| #3 | .05404 | -.0012 | .18627 | 4162.8 | -67.406 |

Sample Name: S1      Acquired: 3/1/2019 11:28:01      Type: Cal  
Method: P4-ICP2(v2905)      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       | 3795.6 | 43730. | 3670.8 | 17.083 | 4195.2 |
| Stddev    | 12.5   | 309.   | 38.5   | .383   | 12.0   |
| %RSD      | .32893 | .70764 | 1.0484 | 2.2391 | .28696 |
| #1        | 3781.3 | 43433. | 3696.6 | 17.492 | 4183.6 |
| #2        | 3800.9 | 43707. | 3689.3 | 17.025 | 4194.3 |
| #3        | 3804.5 | 44050. | 3626.6 | 16.733 | 4207.6 |

Sample Name: S2      Acquired: 3/1/2019 11:32:28      Type: Cal  
Method: P4-ICP2(v2905)      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    | .08632 | .01621 | .50165 | .11618 |
| Stddev | .00045 | .00016 | .00347 | .00089 |
| %RSD   | .52288 | .98811 | .69250 | .76681 |

|    |        |        |        |        |
|----|--------|--------|--------|--------|
| #1 | .08668 | .01628 | .49847 | .11712 |
| #2 | .08582 | .01603 | .50112 | .11605 |
| #3 | .08647 | .01632 | .50536 | .11535 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 3721.2 |
| Stddev    | 28.6   |
| %RSD      | .76835 |

|    |        |
|----|--------|
| #1 | 3690.2 |
| #2 | 3727.0 |
| #3 | 3746.4 |

Sample Name: S3      Acquired: 3/1/2019 11:36:44      Type: Cal  
Method: P4-ICP2(v2905)      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    | .09524 | .20029 | .53987 | .11790 | .23747 | .03082 | 3.0267 | .09855 |
| Stddev | .00071 | .00041 | .00213 | .00068 | .00131 | .00013 | .0158  | .00031 |
| %RSD   | .74304 | .20491 | .39523 | .57970 | .55216 | .41847 | .52189 | .31198 |
| #1     | .09564 | .20040 | .53756 | .11801 | .23743 | .03076 | 3.0197 | .09838 |
| #2     | .09443 | .19983 | .54026 | .11717 | .23618 | .03074 | 3.0155 | .09890 |
| #3     | .09567 | .20063 | .54177 | .11852 | .23880 | .03097 | 3.0447 | .09837 |
| 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    | 2.6093 | .48717 | .09467 | 1.0919 | .29908 | .91139 | 1.3667 | .08726 |
| Stddev | .0023  | .00041 | .00062 | .0030  | .00150 | .00597 | .0035  | .00070 |
| %RSD   | .08838 | .08348 | .65487 | .27195 | .50125 | .65541 | .25633 | .79858 |
| #1     | 2.6069 | .48764 | .09444 | 1.0893 | .29806 | .91810 | 1.3639 | .08659 |
| #2     | 2.6094 | .48697 | .09420 | 1.0914 | .29837 | .90666 | 1.3656 | .08721 |
| #3     | 2.6115 | .48690 | .09537 | 1.0951 | .30080 | .90940 | 1.3707 | .08799 |
| 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    | .61252 | .12423 | 2.7774 | .22027 | 1.9970 | .90288 | 1.1546 | .10172 |
| Stddev | .00217 | .00052 | .0061  | .00050 | .0005  | .00125 | .0023  | .00094 |
| %RSD   | .35466 | .41775 | .22043 | .22623 | .02330 | .13863 | .20093 | .92594 |
| #1     | .61221 | .12371 | 2.7713 | .21994 | 1.9975 | .90153 | 1.1562 | .10240 |
| #2     | .61052 | .12423 | 2.7774 | .22003 | 1.9968 | .90312 | 1.1519 | .10211 |
| #3     | .61483 | .12475 | 2.7835 | .22085 | 1.9967 | .90400 | 1.1556 | .10064 |
| 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    | .01421 | .95999 | .34569 | .56911 | 2.8359 | .1805  | 20.935 | 3876.8 |
| Stddev | .00020 | .00378 | .00125 | .00294 | .0136  | .0007  | .065   | 20.7   |
| %RSD   | 1.4322 | .39374 | .36157 | .51613 | .47948 | .3637  | .31274 | .53279 |
| #1     | .01435 | .96432 | .34441 | .56630 | 2.8215 | .1809  | 20.875 | 3895.4 |
| #2     | .01432 | .95733 | .34575 | .57216 | 2.8376 | .1797  | 20.925 | 3880.4 |
| #3     | .01398 | .95833 | .34691 | .56886 | 2.8486 | .1808  | 21.005 | 3854.6 |

Sample Name: S3      Acquired: 3/1/2019 11:36:44      Type: Cal  
Method: P4-ICP2(v2905)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -86.218 |
| Stddev | 7.242   |
| %RSD   | 8.3993  |

|    |         |
|----|---------|
| #1 | -94.100 |
| #2 | -79.858 |
| #3 | -84.697 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3756.0 | 42558. | 3691.2 | 15.535 | 3984.9 |
| Stddev    | 9.4    | 151.   | 12.4   | 1.451  | 3.7    |
| %RSD      | .24920 | .35593 | .33546 | 9.3419 | .09369 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3746.8 | 42651. | 3677.2 | 14.258 | 3980.7 |
| #2 | 3765.5 | 42639. | 3700.8 | 15.234 | 3985.9 |
| #3 | 3755.9 | 42383. | 3695.5 | 17.113 | 3988.0 |

Sample Name: S4      Acquired: 3/1/2019 11:40:45      Type: Cal  
Method: P4-ICP2(v2905)      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    | .19143 | .40307 | 1.0848 | .23603 | .47495 | .06141 | 5.9456 | .19834 |
| Stddev | .00016 | .00086 | .0014  | .00077 | .00091 | .00050 | .0171  | .00100 |
| %RSD   | .08279 | .21297 | .12876 | .32647 | .19139 | .82217 | .28776 | .50478 |
| #1     | .19127 | .40350 | 1.0835 | .23514 | .47427 | .06127 | 5.9575 | .19742 |
| #2     | .19158 | .40363 | 1.0863 | .23652 | .47460 | .06197 | 5.9260 | .19941 |
| #3     | .19143 | .40208 | 1.0846 | .23643 | .47598 | .06099 | 5.9533 | .19820 |
| 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    | 5.3200 | .97049 | .18963 | 2.2168 | .59101 | 1.7892 | 2.7156 | .17281 |
| Stddev | .0062  | .00182 | .00089 | .0024  | .00056 | .0095  | .0018  | .00065 |
| %RSD   | .11572 | .18703 | .47086 | .10914 | .09559 | .53290 | .06767 | .37640 |
| #1     | 5.3136 | .96847 | .18871 | 2.2140 | .59147 | 1.7841 | 2.7146 | .17285 |
| #2     | 5.3259 | .97103 | .19050 | 2.2180 | .59038 | 1.7833 | 2.7177 | .17344 |
| #3     | 5.3206 | .97198 | .18967 | 2.2183 | .59117 | 1.8002 | 2.7146 | .17214 |
| 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    | 1.2384 | .24865 | 5.5129 | .43885 | 4.0919 | 1.8397 | 2.2929 | .20219 |
| Stddev | .0004  | .00144 | .0083  | .00061 | .0045  | .0043  | .0042  | .00169 |
| %RSD   | .03241 | .57790 | .15027 | .13899 | .10911 | .23426 | .18175 | .83808 |
| #1     | 1.2385 | .24768 | 5.5224 | .43943 | 4.0877 | 1.8348 | 2.2932 | .20170 |
| #2     | 1.2387 | .25030 | 5.5075 | .43891 | 4.0966 | 1.8411 | 2.2886 | .20408 |
| #3     | 1.2379 | .24796 | 5.5088 | .43821 | 4.0915 | 1.8431 | 2.2969 | .20080 |
| 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    | .02949 | 1.8962 | .70167 | 1.1393 | 5.5932 | .3787  | 41.869 | 3773.3 |
| Stddev | .00010 | .0105  | .00161 | .0014  | .0181  | .0020  | .139   | 18.7   |
| %RSD   | .34565 | .55274 | .22936 | .12054 | .32440 | .5248  | .33110 | .49507 |
| #1     | .02939 | 1.8894 | .69982 | 1.1380 | 5.5849 | .3773  | 41.841 | 3783.9 |
| #2     | .02949 | 1.8909 | .70263 | 1.1392 | 5.5807 | .3809  | 41.747 | 3751.7 |
| #3     | .02960 | 1.9083 | .70257 | 1.1408 | 5.6140 | .3777  | 42.020 | 3784.3 |



Sample Name: S4      Acquired: 3/1/2019 11:40:45      Type: Cal  
Method: P4-ICP2(v2905)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -76.509 |
| Stddev | 7.688   |
| %RSD   | 10.048  |

|    |         |
|----|---------|
| #1 | -69.372 |
| #2 | -84.649 |
| #3 | -75.505 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3741.0 | 42244. | 3708.2 | 15.111 | 3857.5 |
| Stddev    | 6.8    | 115.   | 17.2   | 1.051  | 3.6    |
| %RSD      | .18104 | .27202 | .46305 | 6.9582 | .09336 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3742.0 | 42341. | 3714.6 | 13.897 | 3860.7 |
| #2 | 3747.2 | 42117. | 3721.3 | 15.718 | 3853.6 |
| #3 | 3733.8 | 42273. | 3688.8 | 15.718 | 3858.3 |

Sample Name: S5      Acquired: 3/1/2019 11:44:45      Type: Cal  
Method: P4-ICP2(v2905)      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    | .39813 | .83083 | 2.2724 | .48777 | .98633 | .12891 | 12.375 | .41028 |
| Stddev | .00079 | .00185 | .0002  | .00014 | .00115 | .00061 | .030   | .00145 |
| %RSD   | .19791 | .22272 | .00835 | .02927 | .11616 | .47023 | .24351 | .35233 |
| #1     | .39869 | .83239 | 2.2723 | .48791 | .98660 | .12836 | 12.410 | .41160 |
| #2     | .39723 | .83131 | 2.2724 | .48763 | .98507 | .12881 | 12.356 | .40873 |
| #3     | .39847 | .82879 | 2.2726 | .48777 | .98732 | .12956 | 12.359 | .41050 |
| 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    | 11.212 | 1.9943 | .39005 | 4.6754 | 1.2010 | 3.5728 | 5.5558 | .35639 |
| Stddev | .008   | .0081  | .00105 | .0070  | .0015  | .0307  | .0144  | .00228 |
| %RSD   | .07088 | .40684 | .26854 | .15054 | .12253 | .85867 | .25998 | .63997 |
| #1     | 11.203 | 1.9849 | .39006 | 4.6677 | 1.2023 | 3.5958 | 5.5627 | .35772 |
| #2     | 11.219 | 1.9995 | .38900 | 4.6814 | 1.1994 | 3.5380 | 5.5392 | .35376 |
| #3     | 11.215 | 1.9984 | .39109 | 4.6772 | 1.2012 | 3.5846 | 5.5656 | .35770 |
| 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    | 2.6050 | .51549 | 11.534 | .91242 | 8.6972 | 3.8494 | 4.6996 | .41554 |
| Stddev | .0018  | .00171 | .054   | .00357 | .0072  | .0175  | .0060  | .00166 |
| %RSD   | .06980 | .33245 | .47099 | .39177 | .08267 | .45453 | .12752 | .39869 |
| #1     | 2.6033 | .51641 | 11.597 | .91457 | 8.6894 | 3.8643 | 4.7005 | .41745 |
| #2     | 2.6047 | .51351 | 11.499 | .90829 | 8.7035 | 3.8301 | 4.6932 | .41464 |
| #3     | 2.6069 | .51655 | 11.507 | .91439 | 8.6988 | 3.8538 | 4.7051 | .41453 |
| 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    | .06401 | 3.8006 | 1.4787 | 2.3589 | 11.525 | .8144  | 86.292 | 3557.0 |
| Stddev | .00021 | .0260  | .0024  | .0084  | .033   | .0009  | .112   | 25.0   |
| %RSD   | .32792 | .68458 | .16406 | .35587 | .28418 | .1087  | .12922 | .70412 |
| #1     | .06404 | 3.8282 | 1.4759 | 2.3625 | 11.562 | .8153  | 86.394 | 3570.7 |
| #2     | .06378 | 3.7765 | 1.4803 | 2.3493 | 11.500 | .8136  | 86.173 | 3572.2 |
| #3     | .06420 | 3.7971 | 1.4798 | 2.3649 | 11.513 | .8144  | 86.311 | 3528.1 |

Sample Name: S5      Acquired: 3/1/2019 11:44:45      Type: Cal  
Method: P4-ICP2(v2905)      Mode: IR      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | Cts/S   |
| Avg    | -74.904 |
| Stddev | 6.480   |
| %RSD   | 8.6509  |

|    |         |
|----|---------|
| #1 | -68.772 |
| #2 | -74.257 |
| #3 | -81.684 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3629.2 | 40851. | 3669.1 | 14.405 | 3620.3 |
| Stddev    | 6.7    | 143.   | 28.4   | 1.394  | 2.4    |
| %RSD      | .18583 | .34930 | .77276 | 9.6778 | .06530 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3625.8 | 40871. | 3646.6 | 15.708 | 3619.6 |
| #2 | 3636.9 | 40983. | 3700.9 | 12.935 | 3622.9 |
| #3 | 3624.8 | 40700. | 3659.8 | 14.572 | 3618.4 |

Sample Name: ICV01      Acquired: 3/1/2019 11:48:42      Type: Unk  
Method: P4-ICP2(v2905)      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    | .99910 | 1.0045 | .98517 | 1.0002 | 1.0019 | 2.5142 | .49786 |
| Stddev | .00407 | .0025  | .00173 | .0051  | .0027  | .0407  | .00869 |
| %RSD   | .40724 | .25206 | .17549 | .51117 | .26922 | 1.6179 | 1.7456 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .99649 | 1.0068 | .98324 | 1.0015 | 1.0019 | 2.4727 | .49090 |
| #2 | .99702 | 1.0049 | .98659 | 1.0046 | .99920 | 2.5540 | .49507 |
| #3 | 1.0038 | 1.0018 | .98568 | .99460 | 1.0046 | 2.5160 | .50760 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .49008 | .47900 | 10.084 | .50213 | .49189 | .51271 | 5.1306 |
| Stddev | .00143 | .00114 | .065   | .00074 | .00105 | .00049 | .0789  |
| %RSD   | .29165 | .23845 | .64508 | .14676 | .21300 | .09528 | 1.5386 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48979 | .47928 | 10.048 | .50128 | .49149 | .51295 | 5.1631 |
| #2 | .48882 | .47774 | 10.045 | .50250 | .49110 | .51215 | 5.0406 |
| #3 | .49164 | .47997 | 10.159 | .50260 | .49308 | .51303 | 5.1882 |

|        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .50783 | 5.9640 | .49237 | .49101 | 9.7082 | .49481 | F .96015 |
| Stddev | .00058 | .0423  | .00112 | .00171 | .1205  | .00049 | .00135   |
| %RSD   | .11513 | .70911 | .22827 | .34771 | 1.2409 | .09903 | .14044   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .50733 | 6.0124 | .49247 | .48904 | 9.7474 | .49439 | .96137 |
| #2 | .50847 | 5.9455 | .49120 | .49201 | 9.5730 | .49468 | .96038 |
| #3 | .50767 | 5.9342 | .49344 | .49197 | 9.8041 | .49534 | .95870 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.9077 | 2.5439 | 2.5197 | F 2.7496 | 2.5000 | 2.4534 | 2.5119 |
| Stddev | .0089  | .0040  | .0220  | .0249    | .0425  | .0015  | .0120  |
| %RSD   | .08987 | .15845 | .87141 | .90460   | 1.6993 | .06073 | .47699 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8989 | 2.5455 | 2.5195 | 2.7536 | 2.5189 | 2.4538 | 2.5008 |
| #2 | 9.9076 | 2.5393 | 2.4978 | 2.7723 | 2.4514 | 2.4517 | 2.5103 |
| #3 | 9.9167 | 2.5469 | 2.5417 | 2.7230 | 2.5298 | 2.4546 | 2.5246 |

Sample Name: ICV01      Acquired: 3/1/2019 11:48:42      Type: Unk  
Method: P4-ICP2(v2905)      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 3.0686 | F 2.832 | F 3.0674 | F 2.5227 | F<.00000 |
| Stddev    | .0417    | .006    | .0279    | .1520    | 3.5122   |
| %RSD      | 1.3588   | .2239   | .90939   | 6.0263   | 7.5661   |
| #1        | 3.0817   | 2.838   | 3.0671   | 2.4968   | -49.243  |
| #2        | 3.0219   | 2.833   | 3.0397   | 2.6860   | -42.487  |
| #3        | 3.1021   | 2.825   | 3.0955   | 2.3853   | -47.529  |
| Int. Std. | Y_2243   | Y_3600  | Y_3710   | In2306   | In2306   |
| Units     | Cts/S    | Cts/S   | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3729.4   | 42088.  | 3717.4   | 16.533   | 3981.6   |
| Stddev    | 11.3     | 126.    | 55.7     | 1.280    | 8.7      |
| %RSD      | .30233   | .29828  | 1.4972   | 7.7424   | .21793   |
| #1        | 3721.1   | 42213.  | 3687.7   | 16.101   | 3972.9   |
| #2        | 3742.3   | 41961.  | 3781.6   | 17.973   | 3990.3   |
| #3        | 3725.0   | 42092.  | 3682.9   | 15.524   | 3981.5   |

Sample Name: LLICV01      Acquired: 3/1/2019 12:02:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02111 | .04458 | .01019 | .02200 | .05264 | .10789 | .10180 |
| Stddev | .00060 | .00014 | .00048 | .00062 | .00187 | .00988 | .00468 |
| %RSD   | 2.8186 | .31499 | 4.6902 | 2.8117 | 3.5436 | 9.1576 | 4.5931 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02156 | .04445 | .01073 | .02272 | .05277 | .11847 | .09826 |
| #2 | .02044 | .04473 | .00983 | .02164 | .05071 | .09891 | .10004 |
| #3 | .02134 | .04457 | .01001 | .02165 | .05443 | .10629 | .10710 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00620 | .00577 | 2.0968 | .01098 | .03249 | .02185 | .11753 |
| Stddev | .00014 | .00015 | .0186  | .00034 | .00005 | .00026 | .01821 |
| %RSD   | 2.2634 | 2.6114 | .88838 | 3.1161 | .14322 | 1.1774 | 15.497 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00633 | .00563 | 2.0884 | .01077 | .03244 | .02170 | .10719 |
| #2 | .00605 | .00576 | 2.1181 | .01079 | .03254 | .02169 | .10684 |
| #3 | .00623 | .00593 | 2.0838 | .01137 | .03250 | .02214 | .13856 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02239 | 2.1715 | .04242 | .01045 | 2.0640 | .04393 | .04147 |
| Stddev | .00012 | .0170  | .00021 | .00076 | .0278  | .00053 | .00012 |
| %RSD   | .51777 | .78513 | .50682 | 7.2969 | 1.3463 | 1.2032 | .29569 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02252 | 2.1643 | .04226 | .01113 | 2.0450 | .04447 | .04136 |
| #2 | .02233 | 2.1592 | .04266 | .01060 | 2.0512 | .04391 | .04145 |
| #3 | .02232 | 2.1910 | .04232 | .00963 | 2.0959 | .04341 | .04160 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.0154 | .20432 | .11750 | .02230 | .44743 | .04063 | .04349 |
| Stddev | .0348  | .00034 | .00222 | .00580 | .01040 | .00061 | .00307 |
| %RSD   | 1.7286 | .16835 | 1.8855 | 26.012 | 2.3243 | 1.5063 | 7.0658 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9823 | .20407 | .11759 | .02176 | .44172 | .04079 | .04400 |
| #2 | 2.0518 | .20419 | .11967 | .02836 | .44113 | .03996 | .04019 |
| #3 | 2.0122 | .20471 | .11524 | .01680 | .45943 | .04115 | .04627 |

Sample Name: LLICV01      Acquired: 3/1/2019 12:02:12      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: LLICV01      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |          |          |
|-----------|--------|--------|--------|----------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm      | ppm      |
| Avg       | .02077 | .0186  | .02015 | F 1.6671 | F<.00000 |
| Stddev    | .00417 | .0016  | .00012 | .1275    | 5.1436   |
| %RSD      | 20.100 | 8.696  | .60414 | 7.6500   | 9232.3   |
| #1        | .02041 | .0180  | .02003 | 1.5221   | -5.9944  |
| #2        | .02511 | .0205  | .02015 | 1.7172   | 2.9901   |
| #3        | .01679 | .0174  | .02028 | 1.7620   | 2.8372   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3867.5 | 43771. | 3810.7 | 16.994   | 4297.2   |
| Stddev    | 4.5    | 180.   | 25.2   | .481     | 6.4      |
| %RSD      | .11565 | .41230 | .66162 | 2.8306   | .14945   |
| #1        | 3872.6 | 43869. | 3832.2 | 17.533   | 4304.4   |
| #2        | 3864.9 | 43881. | 3817.0 | 16.842   | 4292.1   |
| #3        | 3864.9 | 43563. | 3783.0 | 16.608   | 4295.1   |

Sample Name: ICB01      Acquired: 3/1/2019 12:11:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00073  | .00105  | -.00196 | .00040  | -.00163 | .02419  | -.00833 | .00005   |
| Stddev | .00081   | .00140  | .00057  | .00090  | .00178  | .01020  | .00684  | .00007   |
| %RSD   | 110.85   | 133.98  | 28.930  | 227.24  | 109.33  | 42.163  | 82.136  | 165.13   |
| #1     | -.00165  | -.00056 | -.00222 | .00022  | -.00313 | .03382  | -.00205 | .00003   |
| #2     | -.00012  | .00205  | -.00131 | .00138  | .00034  | .01350  | -.01561 | .00012   |
| #3     | -.00042  | .00165  | -.00235 | -.00041 | -.00209 | .02524  | -.00732 | -.00002  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00004  | -.00272 | .00020  | .00007  | -.00001 | -.00217 | -.00006 | .08101   |
| Stddev | .00005   | .00628  | .00017  | .00014  | .00028  | .00055  | .00001  | .06922   |
| %RSD   | 147.87   | 231.15  | 84.266  | 219.16  | 2768.1  | 25.429  | 13.847  | 85.445   |
| #1     | -.00001  | -.00835 | .00013  | .00004  | .00028  | -.00155 | -.00006 | .02614   |
| #2     | -.00010  | .00406  | .00039  | -.00006 | -.00004 | -.00233 | -.00005 | .05811   |
| #3     | -.00000  | -.00386 | .00007  | .00022  | -.00028 | -.00262 | -.00007 | .15878   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00017  | .00043  | -.03378 | -.00016 | -.00030 | -.04085 | .00019  | .01049   |
| Stddev | .00012   | .00016  | .01496  | .00082  | .00004  | .03558  | .00047  | .00561   |
| %RSD   | 75.061   | 36.833  | 44.279  | 513.07  | 13.520  | 87.083  | 249.98  | 53.541   |
| #1     | -.00004  | .00060  | -.02271 | -.00011 | -.00034 | -.04129 | .00067  | .01696   |
| #2     | -.00017  | .00028  | -.05080 | -.00101 | -.00029 | -.07621 | .00015  | .00743   |
| #3     | -.00029  | .00041  | -.02783 | .00063  | -.00026 | -.00506 | -.00026 | .00706   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .01146 | .00092  | -.00037 | .00267  | .00193  | -.0034  | -.00007 | F 2.9561 |
| Stddev | .00957   | .00353  | .00101  | .00233  | .00031  | .0011   | .00007  | .1740    |
| %RSD   | 83.549   | 384.09  | 277.95  | 87.242  | 15.868  | 31.59   | 103.06  | 5.8871   |
| #1     | .00269   | .00235  | -.00147 | .00482  | .00191  | -.0022  | -.00013 | 2.7939   |
| #2     | .02167   | -.00310 | -.00016 | .00019  | .00224  | -.0038  | -.00008 | 2.9345   |
| #3     | .01001   | .00350  | .00053  | .00300  | .00163  | -.0043  | .00001  | 3.1399   |



Sample Name: ICB01      Acquired: 3/1/2019 12:11:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .25868 |
| Stddev | 3.5938   |
| %RSD   | 1389.3   |

|    |         |
|----|---------|
| #1 | -.85921 |
| #2 | -2.6434 |
| #3 | 4.2786  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3725.8 | 41936. | 3719.3 | 17.353 | 4168.1 |
| Stddev    | 5.2    | 105.   | 39.3   | 1.497  | 4.5    |
| %RSD      | .13850 | .25112 | 1.0555 | 8.6250 | .10916 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3731.5 | 41931. | 3678.1 | 15.625 | 4164.6 |
| #2 | 3724.4 | 42043. | 3756.3 | 18.250 | 4166.5 |
| #3 | 3721.5 | 41833. | 3723.7 | 18.183 | 4173.2 |

Sample Name: CRI01      Acquired: 3/1/2019 12:16:12      Type: Unk  
Method: P4-ICP2(v2905)      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    | .02215 | .04750 | .01113 | .02371 | .05505 | .12511 | .10490 | .00661   |
| Stddev | .00246 | .00206 | .00090 | .00309 | .00209 | .00967 | .00061 | .00009   |
| %RSD   | 11.084 | 4.3302 | 8.0943 | 13.046 | 3.8045 | 7.7260 | .58047 | 1.2860   |
| #1     | .02366 | .04871 | .01049 | .02485 | .05294 | .11731 | .10503 | .00654   |
| #2     | .02347 | .04512 | .01216 | .02021 | .05713 | .12209 | .10544 | .00659   |
| #3     | .01932 | .04866 | .01074 | .02607 | .05509 | .13592 | .10424 | .00670   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00604 | 2.1712 | .01143 | .03383 | .02256 | .11382 | .02342 | 2.2646   |
| Stddev | .00005 | .0322  | .00011 | .00028 | .00051 | .00293 | .00013 | .0773    |
| %RSD   | .77854 | 1.4832 | .96163 | .83743 | 2.2533 | 2.5737 | .57404 | 3.4150   |
| #1     | .00609 | 2.1636 | .01150 | .03413 | .02311 | .11463 | .02355 | 2.2122   |
| #2     | .00599 | 2.1434 | .01149 | .03357 | .02243 | .11626 | .02344 | 2.3534   |
| #3     | .00603 | 2.2065 | .01131 | .03379 | .02212 | .11057 | .02328 | 2.2281   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04408 | .01141 | 2.0948 | .04590 | .04295 | 2.0231 | .21193 | .11932   |
| Stddev | .00034 | .00064 | .0062  | .00134 | .00020 | .0430  | .00088 | .00304   |
| %RSD   | .78048 | 5.6455 | .29743 | 2.9088 | .45651 | 2.1247 | .41665 | 2.5450   |
| #1     | .04374 | .01200 | 2.0976 | .04744 | .04308 | 2.0642 | .21263 | .12166   |
| #2     | .04407 | .01072 | 2.0877 | .04510 | .04304 | 2.0267 | .21222 | .11589   |
| #3     | .04443 | .01151 | 2.0992 | .04516 | .04272 | 1.9784 | .21094 | .12041   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02331 | .44737 | .04230 | .04455 | .02457 | .0166  | .02081 | F 2.8769 |
| Stddev | .01595 | .00756 | .00028 | .00286 | .00247 | .0019  | .00022 | .2037    |
| %RSD   | 68.409 | 1.6900 | .66879 | 6.4187 | 10.054 | 11.45  | 1.0373 | 7.0787   |
| #1     | .00601 | .44976 | .04255 | .04126 | .02322 | .0169  | .02070 | 2.7468   |
| #2     | .02650 | .45345 | .04235 | .04641 | .02742 | .0184  | .02106 | 2.7724   |
| #3     | .03743 | .43890 | .04199 | .04598 | .02307 | .0146  | .02067 | 3.1116   |

Sample Name: CRI01      Acquired: 3/1/2019 12:16:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 11.377  
Stddev      2.356  
%RSD      20.705

#1      14.083  
#2      10.269  
#3      9.7800

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3734.3 | 42073. | 3782.5 | 17.439 | 4166.2 |
| Stddev    | 2.1    | 107.   | 25.9   | 1.567  | 4.6    |
| %RSD      | .05586 | .25444 | .68471 | 8.9880 | .11059 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3733.7 | 42027. | 3764.2 | 15.633 | 4169.9 |
| #2 | 3736.6 | 42195. | 3771.2 | 18.233 | 4161.0 |
| #3 | 3732.6 | 41997. | 3812.1 | 18.450 | 4167.7 |

Sample Name: ICSA01      Acquired: 3/1/2019 12:20:38      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00170  | -.00236 | -.00098 | -.00885 | -.00702  | 290.94  | .00102  | .00115  |
| Stddev | .00494   | .00126  | .00119  | .00437  | .00258   | .45     | .00268  | .00010  |
| %RSD   | 290.78   | 53.547  | 120.55  | 49.456  | 36.782   | .15504  | 263.17  | 8.7108  |
| #1     | -.00402  | -.00371 | -.00220 | -.00672 | -.00999  | 290.89  | -.00125 | .00124  |
| #2     | -.00505  | -.00216 | -.00091 | -.01388 | -.00572  | 291.42  | .00032  | .00104  |
| #3     | .00397   | -.00120 | .00016  | -.00594 | -.00534  | 290.52  | .00398  | .00117  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247   | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | -.00275  | 258.53  | .06017  | -.00048 | -.00140  | 95.987  | .01590  | 266.30  |
| Stddev | .00021   | 3.05    | .00036  | .00042  | .00029   | 1.185   | .00024  | 3.24    |
| %RSD   | 7.5310   | 1.1817  | .59446  | 88.745  | 20.711   | 1.2348  | 1.5211  | 1.2155  |
| #1     | -.00273  | 258.36  | .05976  | -.00010 | -.00108  | 96.404  | .01579  | 266.16  |
| #2     | -.00256  | 255.57  | .06036  | -.00039 | -.00164  | 94.650  | .01618  | 263.13  |
| #3     | -.00297  | 261.67  | .06039  | -.00094 | -.00150  | 96.908  | .01574  | 269.60  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138   | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | -.00074  | -.00753 | -.00265 | .00142  | -.01354  | -.00447 | .00136  | -.01049 |
| Stddev | .00033   | .00015  | .00644  | .00109  | .00048   | .03049  | .00038  | .00328  |
| %RSD   | 44.780   | 2.0012  | 243.26  | 76.641  | 3.5795   | 682.23  | 28.187  | 31.251  |
| #1     | -.00112  | -.00756 | .00151  | .00264  | -.01346  | -.01583 | .00097  | -.01315 |
| #2     | -.00056  | -.00766 | -.01007 | .00056  | -.01310  | .03007  | .00137  | -.01148 |
| #3     | -.00053  | -.00737 | .00061  | .00106  | -.01406  | -.02765 | .00174  | -.00683 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707   | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     | ppm     |
| Avg    | F .02983 | -.00689 | .01042  | -.00185 | F .02610 | -.0035  | .00141  | 4.9304  |
| Stddev | .02962   | .00036  | .00063  | .00144  | .00331   | .0020   | .00072  | .1174   |
| %RSD   | 99.294   | 5.1962  | 6.0302  | 77.887  | 12.668   | 58.65   | 50.939  | 2.3820  |
| #1     | .00283   | -.00671 | .01088  | -.00050 | .02546   | -.0038  | .00086  | 5.0247  |
| #2     | .02515   | -.00665 | .01067  | -.00168 | .02316   | -.0053  | .00223  | 4.7988  |
| #3     | .06150   | -.00730 | .00970  | -.00337 | .02968   | -.0013  | .00115  | 4.9675  |

Sample Name: ICSA01      Acquired: 3/1/2019 12:20:38      Type: Unk  
Method: P4-ICP2(v2905)      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 | 4.8187  |
| %RSD   | .33974  |

|    |         |
|----|---------|
| #1 | -1421.7 |
| #2 | -1420.6 |
| #3 | -1412.8 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3459.5 | 37817. | 3662.7 | 16.717 | 3398.5 |
| Stddev    | 8.7    | 171.   | 45.9   | 1.287  | 5.7    |
| %RSD      | .25059 | .45245 | 1.2538 | 7.6997 | .16701 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3450.8 | 37632. | 3642.3 | 15.241 | 3392.2 |
| #2 | 3459.6 | 37969. | 3715.3 | 17.304 | 3403.1 |
| #3 | 3468.1 | 37850. | 3630.5 | 17.605 | 3400.4 |

Sample Name: ICSAB01      Acquired: 3/1/2019 12:25:10      Type: Unk  
Method: P4-ICP2(v2905)      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    | .10511   | .09492 | .05301  | .04663 | .65521   | 288.99  | .52717   | .58950 |
| Stddev | .00281   | .00476 | .00052  | .00348 | .00508   | .82     | .01015   | .00100 |
| %RSD   | 2.6775   | 5.0118 | .98421  | 7.4594 | .77465   | .28367  | 1.9249   | .17016 |
| #1     | .10586   | .09950 | .05268  | .04960 | .65642   | 288.87  | .53563   | .58888 |
| #2     | .10199   | .09000 | .05273  | .04749 | .65958   | 288.24  | .52997   | .59066 |
| #3     | .10747   | .09527 | .05361  | .04281 | .64965   | 289.86  | .51592   | .58897 |
| Elem   | Cd2265   | Ca3736 | Cr2677  | Co2286 | Cu2247   | Fe2404  | Mn2576   | Mg2790 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm      | ppm     | ppm      | ppm    |
| Avg    | 1.0672   | 255.37 | .61028  | .54471 | .52492   | 94.282  | .56435   | 263.22 |
| Stddev | .0018    | .70    | .00284  | .00175 | .00326   | .863    | .00015   | 2.86   |
| %RSD   | .16969   | .27327 | .46484  | .32204 | .62084   | .91532  | .02679   | 1.0871 |
| #1     | 1.0674   | 256.09 | .60889  | .54441 | .52683   | 95.277  | .56439   | 266.46 |
| #2     | 1.0689   | 254.69 | .60841  | .54659 | .52677   | 93.739  | .56448   | 261.05 |
| #3     | 1.0653   | 255.34 | .61355  | .54312 | .52115   | 93.831  | .56419   | 262.15 |
| Elem   | Ni2316   | Ag3280 | Na5895  | V_2924 | Zn2138   | K_7664  | Mo2020   | B_2496 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm      | ppm     | ppm      | ppm    |
| Avg    | 1.0634   | .19449 | .00416  | .53459 | 1.1386   | .03496  | 1.1237   | 1.0966 |
| Stddev | .0013    | .00148 | .00727  | .00362 | .0029    | .07363  | .0024    | .0056  |
| %RSD   | .11837   | .75912 | 174.83  | .67629 | .25020   | 210.61  | .21643   | .50600 |
| #1     | 1.0620   | .19482 | .00816  | .53419 | 1.1381   | -.04102 | 1.1264   | 1.1010 |
| #2     | 1.0643   | .19287 | .00856  | .53119 | 1.1417   | .10598  | 1.1232   | 1.0983 |
| #3     | 1.0640   | .19577 | -.00424 | .53839 | 1.1361   | .03992  | 1.1216   | 1.0904 |
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707   | P_1774  | Sr4077   | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm      | ppm     | ppm      | ppm    |
| Avg    | F 1.2222 | 1.0293 | 1.1532  | 1.1203 | F 1.2986 | F 1.234 | F 1.2399 | 5.0024 |
| Stddev | .0375    | .0084  | .0026   | .0017  | .0068    | .003    | .0047    | .0695  |
| %RSD   | 3.0714   | .81327 | .22564  | .15273 | .52190   | .2148   | .37976   | 1.3889 |
| #1     | 1.2286   | 1.0374 | 1.1518  | 1.1184 | 1.3063   | 1.236   | 1.2453   | 5.0247 |
| #2     | 1.2560   | 1.0207 | 1.1562  | 1.1217 | 1.2962   | 1.231   | 1.2378   | 4.9245 |
| #3     | 1.1818   | 1.0298 | 1.1516  | 1.1208 | 1.2934   | 1.236   | 1.2366   | 5.0580 |

Sample Name: ICSAB01      Acquired: 3/1/2019 12:25:10      Type: Unk  
Method: P4-ICP2(v2905)      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 | 16.917  |
| %RSD   | 1.2033  |

|    |         |
|----|---------|
| #1 | -1412.7 |
| #2 | -1386.6 |
| #3 | -1418.4 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3456.6 | 37777. | 3689.4 | 16.306 | 3378.6 |
| Stddev    | 7.4    | 83.    | 31.9   | 1.110  | 7.5    |
| %RSD      | .21369 | .22038 | .86542 | 6.8085 | .22336 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.4 | 37694. | 3653.6 | 15.047 | 3380.5 |
| #2 | 3450.5 | 37861. | 3699.6 | 17.146 | 3370.4 |
| #3 | 3464.8 | 37775. | 3714.9 | 16.725 | 3385.1 |

Sample Name: CCV01      Acquired: 3/1/2019 12:29:27      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.1046 | 5.0574 | 5.0560 | 5.1059 | 5.0983 | 10.329 | 9.7998 | .25563   |
| Stddev | .0161  | .0123  | .0129  | .0093  | .0124  | .039   | .1058  | .00021   |
| %RSD   | .31458 | .24284 | .25460 | .18132 | .24284 | .37947 | 1.0795 | .08328   |
| #1     | 5.1015 | 5.0704 | 5.0690 | 5.1060 | 5.1053 | 10.367 | 9.6814 | .25539   |
| #2     | 5.1221 | 5.0557 | 5.0558 | 5.1151 | 5.0840 | 10.289 | 9.8326 | .25581   |
| #3     | 5.0904 | 5.0460 | 5.0432 | 5.0966 | 5.1057 | 10.330 | 9.8852 | .25569   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5037 | 25.189 | 1.0390 | 2.5294 | 1.2768 | 5.0303 | 2.5776 | 24.479   |
| Stddev | .0039  | .065   | .0020  | .0039  | .0027  | .0691  | .0014  | .346     |
| %RSD   | .15459 | .25967 | .18863 | .15311 | .20958 | 1.3727 | .05327 | 1.4149   |
| #1     | 2.5076 | 25.139 | 1.0392 | 2.5332 | 1.2764 | 4.9739 | 2.5773 | 24.169   |
| #2     | 2.4998 | 25.166 | 1.0370 | 2.5254 | 1.2743 | 5.0096 | 2.5791 | 24.413   |
| #3     | 2.5036 | 25.263 | 1.0409 | 2.5295 | 1.2796 | 5.1073 | 2.5764 | 24.853   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4897 | 1.3028 | 23.965 | 2.5029 | 2.5118 | 23.963 | 5.0915 | 4.8689   |
| Stddev | .0047  | .0046  | .364   | .0042  | .0039  | .332   | .0033  | .0204    |
| %RSD   | .18798 | .35180 | 1.5175 | .16708 | .15325 | 1.3834 | .06553 | .42006   |
| #1     | 2.4951 | 1.3040 | 23.569 | 2.4994 | 2.5162 | 23.589 | 5.0938 | 4.8602   |
| #2     | 2.4866 | 1.2977 | 24.042 | 2.5075 | 2.5098 | 24.078 | 5.0930 | 4.8542   |
| #3     | 2.4874 | 1.3066 | 24.284 | 2.5018 | 2.5093 | 24.222 | 5.0876 | 4.8922   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0125 | 4.9667 | 5.0233 | 5.0540 | 4.9418 | 4.998  | 5.0525 | F 4.1817 |
| Stddev | .0360  | .0868  | .0040  | .0278  | .0455  | .014   | .0364  | .1635    |
| %RSD   | .71731 | 1.7487 | .07867 | .54956 | .91981 | .2865  | .72085 | 3.9095   |
| #1     | 5.0072 | 4.8775 | 5.0258 | 5.0232 | 4.8907 | 4.992  | 5.0114 | 4.3421   |
| #2     | 5.0509 | 4.9714 | 5.0188 | 5.0771 | 4.9571 | 5.014  | 5.0656 | 4.0153   |
| #3     | 4.9795 | 5.0510 | 5.0254 | 5.0616 | 4.9777 | 4.988  | 5.0806 | 4.1877   |



Sample Name: CCV01      Acquired: 3/1/2019 12:29:27      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV01      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 9.7707 |
| Stddev | 3.4349   |
| %RSD   | 35.156   |

|    |        |
|----|--------|
| #1 | 12.540 |
| #2 | 5.9269 |
| #3 | 10.845 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3616.2 | 40244. | 3733.6 | 16.091 | 3746.4 |
| Stddev    | 6.0    | 113.   | 41.8   | 1.226  | 9.0    |
| %RSD      | .16697 | .28066 | 1.1207 | 7.6175 | .24000 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3610.9 | 40125. | 3775.7 | 14.977 | 3737.0 |
| #2 | 3615.0 | 40350. | 3732.9 | 15.891 | 3747.2 |
| #3 | 3622.8 | 40258. | 3692.0 | 17.404 | 3754.9 |

Sample Name: LLCCV01      Acquired: 3/1/2019 12:37:59      Type: Unk  
Method: P4-ICP2(v2905)      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    | .02337  | .04580 | .01192 | .02312 | .05573 | .11943 | .11173 | .00659   |
| Stddev | .00227  | .00191 | .00087 | .00016 | .00070 | .01084 | .00613 | .00006   |
| %RSD   | 9.7064  | 4.1686 | 7.3364 | .70502 | 1.2578 | 9.0734 | 5.4836 | .86294   |
| #1     | .02264  | .04371 | .01272 | .02297 | .05492 | .12425 | .11678 | .00662   |
| #2     | .02155  | .04746 | .01204 | .02308 | .05615 | .10701 | .10491 | .00652   |
| #3     | .02591  | .04624 | .01099 | .02329 | .05611 | .12701 | .11349 | .00663   |
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00607  | 2.1907 | .01168 | .03426 | .02264 | .11638 | .02353 | 2.2536   |
| Stddev | .00010  | .0092  | .00051 | .00015 | .00046 | .00329 | .00013 | .0346    |
| %RSD   | 1.6465  | .42108 | 4.3469 | .42900 | 2.0514 | 2.8241 | .54944 | 1.5355   |
| #1     | .00609  | 2.1885 | .01206 | .03434 | .02260 | .11460 | .02338 | 2.2654   |
| #2     | .00597  | 2.1828 | .01187 | .03409 | .02312 | .11437 | .02360 | 2.2808   |
| #3     | .00616  | 2.2009 | .01110 | .03434 | .02219 | .12018 | .02361 | 2.2147   |
| Elem   | Ni2316  | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .04409  | .01148 | 2.0761 | .04585 | .04365 | 2.0738 | .21396 | .11417   |
| Stddev | .00025  | .00058 | .0129  | .00051 | .00005 | .0365  | .00119 | .00560   |
| %RSD   | .55659  | 5.0280 | .62272 | 1.1062 | .11876 | 1.7626 | .55806 | 4.9058   |
| #1     | .04427  | .01082 | 2.0754 | .04527 | .04360 | 2.0785 | .21484 | .11982   |
| #2     | .04420  | .01188 | 2.0636 | .04622 | .04365 | 2.0351 | .21444 | .10862   |
| #3     | .04381  | .01173 | 2.0895 | .04605 | .04370 | 2.1077 | .21260 | .11405   |
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01849  | .44573 | .04283 | .04379 | .02123 | .0176  | .02112 | F 3.4401 |
| Stddev | .02229  | .00148 | .00020 | .00257 | .00167 | .0001  | .00022 | .1945    |
| %RSD   | 120.53  | .33164 | .47729 | 5.8792 | 7.8664 | .5462  | 1.0612 | 5.6539   |
| #1     | .03741  | .44709 | .04263 | .04337 | .02081 | .0176  | .02096 | 3.5358   |
| #2     | -.00608 | .44593 | .04303 | .04654 | .01980 | .0175  | .02101 | 3.2163   |
| #3     | .02414  | .44416 | .04283 | .04145 | .02306 | .0176  | .02137 | 3.5683   |

Sample Name: LLCCV01      Acquired: 3/1/2019 12:37:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: LLCCV01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 6.8029  
Stddev      5.6339  
%RSD      82.816

#1      2.9342  
#2      4.2078  
#3      13.267

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3710.3 | 41479. | 3748.4 | 17.275 | 4124.9 |
| Stddev    | 8.2    | 180.   | 4.9    | 1.069  | 9.0    |
| %RSD      | .22051 | .43475 | .12960 | 6.1897 | .21735 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3702.7 | 41363. | 3751.0 | 16.342 | 4114.7 |
| #2 | 3709.3 | 41687. | 3742.8 | 17.042 | 4128.7 |
| #3 | 3719.0 | 41388. | 3751.4 | 18.442 | 4131.4 |

Sample Name: CCB01      Acquired: 3/1/2019 12:42:27      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00218   | .00027  | -.00207 | .00163  | -.00242 | .02079  | .00336  | .00009   |
| Stddev | .00118   | .00085  | .00058  | .00378  | .00292  | .00754  | .00475  | .00007   |
| %RSD   | 54.127   | 311.34  | 28.083  | 231.28  | 120.73  | 36.255  | 141.35  | 73.081   |
| #1     | .00098   | .00051  | -.00153 | .00217  | -.00421 | .02094  | .00214  | .00009   |
| #2     | .00334   | .00098  | -.00200 | .00512  | .00095  | .01318  | .00860  | .00003   |
| #3     | .00222   | -.00067 | -.00268 | -.00239 | -.00399 | .02825  | -.00066 | .00016   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00003  | -.01333 | .00041  | -.00001 | -.00012 | -.00084 | .00000  | .08284   |
| Stddev | .00007   | .00404  | .00014  | .00004  | .00020  | .00107  | .00003  | .05903   |
| %RSD   | 253.16   | 30.277  | 33.877  | 491.15  | 159.14  | 127.49  | 1586.3  | 71.258   |
| #1     | .00005   | -.01144 | .00042  | .00002  | .00009  | -.00195 | .00003  | .13057   |
| #2     | -.00008  | -.01797 | .00055  | .00000  | -.00029 | .00020  | .00001  | .01683   |
| #3     | -.00006  | -.01059 | .00027  | -.00005 | -.00018 | -.00078 | -.00003 | .10112   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00047  | .00080  | -.05599 | -.00039 | -.00031 | .01629  | .00005  | .01302   |
| Stddev | .00022   | .00021  | .00147  | .00041  | .00007  | .01273  | .00032  | .01200   |
| %RSD   | 45.882   | 26.275  | 2.6329  | 106.13  | 23.360  | 78.150  | 603.16  | 92.158   |
| #1     | -.00071  | .00099  | -.05429 | .00004  | -.00024 | .00734  | .00042  | -.00081  |
| #2     | -.00039  | .00057  | -.05671 | -.00077 | -.00038 | .01068  | -.00010 | .01928   |
| #3     | -.00030  | .00082  | -.05696 | -.00043 | -.00032 | .03087  | -.00016 | .02059   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .00676 | -.00188 | .00064  | .00151  | .00099  | -.0032  | .00004  | F 3.6101 |
| Stddev | .00887   | .00191  | .00029  | .00410  | .00158  | .0006   | .00008  | .0655    |
| %RSD   | 131.34   | 101.70  | 44.372  | 272.37  | 158.67  | 17.19   | 209.80  | 1.8142   |
| #1     | .01685   | -.00037 | .00081  | -.00232 | .00036  | -.0030  | .00012  | 3.5420   |
| #2     | .00017   | -.00123 | .00031  | .00584  | .00279  | -.0028  | -.00005 | 3.6155   |
| #3     | .00326   | -.00402 | .00081  | .00099  | -.00016 | -.0039  | .00004  | 3.6726   |

Sample Name: CCB01      Acquired: 3/1/2019 12:42:27      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB01      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.8268  
Stddev      2.3010  
%RSD      81.400

#1      5.4375  
#2      1.9491  
#3      1.0938

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3665.7 | 41249. | 3727.9 | 17.361 | 4108.7 |
| Stddev    | 13.6   | 57.    | 14.3   | 1.180  | 14.4   |
| %RSD      | .37013 | .13765 | .38315 | 6.7991 | .34980 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3656.3 | 41262. | 3714.7 | 16.867 | 4097.2 |
| #2 | 3659.4 | 41298. | 3726.1 | 18.708 | 4104.2 |
| #3 | 3681.2 | 41187. | 3743.1 | 16.508 | 4124.8 |

Sample Name: LR CHECK 1      Acquired: 3/1/2019 12:46:23      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.12755 | -.11104 | -.08331 | -1.1348 | -.05348 | 2062.9   | -.01543 | .04966  |
| Stddev | .00239  | .00984  | .00237  | .0166   | .00577  | 12.3     | .00183  | .00026  |
| %RSD   | 1.8738  | 8.8629  | 2.8428  | 1.4645  | 10.785  | .59452   | 11.878  | .51901  |
| #1     | -.13025 | -.12148 | -.08184 | -1.1539 | -.05319 | 2073.9   | -.01564 | .04990  |
| #2     | -.12572 | -.10193 | -.08205 | -1.1259 | -.05939 | 2049.7   | -.01716 | .04939  |
| #3     | -.12668 | -.10972 | -.08604 | -1.1245 | -.04787 | 2065.3   | -.01351 | .04969  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404   | Mn2576  | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     |
| Avg    | .12991  | 1824.1  | -.07472 | .08779  | 1.0056  | F 728.49 | -.00681 | 1826.2  |
| Stddev | .00013  | 15.5    | .00067  | .00057  | .0032   | 6.32     | .00030  | 5.0     |
| %RSD   | .09764  | .84834  | .89666  | .65313  | .31400  | .86798   | 4.4719  | .27421  |
| #1     | .13004  | 1839.4  | -.07539 | .08839  | 1.0019  | 735.33   | -.00680 | 1830.0  |
| #2     | .12989  | 1824.5  | -.07473 | .08725  | 1.0073  | 727.28   | -.00712 | 1828.2  |
| #3     | .12979  | 1808.5  | -.07405 | .08773  | 1.0075  | 722.86   | -.00651 | 1820.5  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664   | Mo2020  | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     |
| Avg    | .00109  | -.27516 | 1778.2  | .00603  | .15230  | 987.32   | -.01248 | -1.8766 |
| Stddev | .00325  | .00142  | 25.2    | .00041  | .00061  | 8.38     | .00117  | .0119   |
| %RSD   | 297.74  | .51580  | 1.4170  | 6.8584  | .40159  | .84855   | 9.3523  | .63291  |
| #1     | -.00266 | -.27404 | 1806.3  | .00651  | .15250  | 995.90   | -.01113 | -1.8692 |
| #2     | .00306  | -.27675 | 1770.5  | .00582  | .15161  | 979.16   | -.01317 | -1.8903 |
| #3     | .00287  | -.27468 | 1757.7  | .00576  | .15278  | 986.90   | -.01314 | -1.8703 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774   | Sr4077  | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      | ppm     | ppm     |
| Avg    | -.30463 | -.01819 | .07520  | -.06886 | .23685  | .0592    | -.78771 | <.00000 |
| Stddev | .02160  | .00356  | .00331  | .00282  | .00337  | .0023    | .00698  | .15627  |
| %RSD   | 7.0902  | 19.586  | 4.3955  | 4.0893  | 1.4228  | 3.825    | .88607  | 12.213  |
| #1     | -.28006 | -.01813 | .07901  | -.06926 | .23971  | .0603    | -.79526 | -1.1481 |
| #2     | -.32061 | -.01466 | .07325  | -.07146 | .23770  | .0606    | -.78635 | -1.4523 |
| #3     | -.31324 | -.02178 | .07332  | -.06587 | .23314  | .0566    | -.78150 | -1.2381 |

Sample Name: LR CHECK 1      Acquired: 3/1/2019 12:46:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 73.997  |
| %RSD   | .27946  |

|    |         |
|----|---------|
| #1 | -26558. |
| #2 | -26411. |
| #3 | -26467. |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2745.8 | 29745. | 3381.5 | 13.339 | 2180.9 |
| Stddev    | 4.1    | 79.    | 13.8   | 2.633  | 3.8    |
| %RSD      | .14756 | .26505 | .40806 | 19.737 | .17532 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 2749.1 | 29713. | 3367.2 | 16.379 | 2181.8 |
| #2 | 2741.3 | 29835. | 3382.5 | 11.858 | 2176.8 |
| #3 | 2747.0 | 29688. | 3394.7 | 11.780 | 2184.2 |

Sample Name: LR CHECK 2      Acquired: 3/1/2019 12:51:19      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00073 | -.01379 | 225.18 | .02292 | -.09457 | -.26734 | 109.28 | -.00045 |
| Stddev | .00498 | .00176  | 1.38   | .00244 | .00142  | .00668  | .62    | .00012  |
| %RSD   | 680.16 | 12.768  | .61078 | 10.667 | 1.4994  | 2.4980  | .56564 | 26.478  |

|    |         |         |        |        |         |         |        |         |
|----|---------|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00167 | -.01194 | 225.30 | .02224 | -.09359 | -.27136 | 109.20 | -.00043 |
| #2 | .00646  | -.01399 | 226.48 | .02563 | -.09620 | -.25963 | 108.71 | -.00034 |
| #3 | -.00259 | -.01544 | 223.74 | .02089 | -.09393 | -.27104 | 109.94 | -.00057 |

|        |         |        |         |         |        |         |        |        |
|--------|---------|--------|---------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.01447 | .27457 | -.12511 | -.01115 | 243.86 | -.73686 | 49.236 | .04240 |
| Stddev | .00011  | .00432 | .00062  | .00055  | 1.52   | .00341  | .111   | .05052 |
| %RSD   | .78745  | 1.5724 | .49633  | 4.9142  | .62134 | .46258  | .22517 | 119.15 |

|    |         |        |         |         |        |         |        |         |
|----|---------|--------|---------|---------|--------|---------|--------|---------|
| #1 | -.01444 | .27090 | -.12470 | -.01063 | 244.15 | -.73527 | 49.270 | -.00662 |
| #2 | -.01460 | .27347 | -.12582 | -.01108 | 245.21 | -.74078 | 49.112 | .03953  |
| #3 | -.01438 | .27932 | -.12480 | -.01172 | 242.23 | -.73454 | 49.326 | .09430  |

|        |        |        |        |         |        |        |         |        |
|--------|--------|--------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | 51.796 | .00747 | 1.0813 | -.07865 | 38.393 | .90379 | -.00423 | .00193 |
| Stddev | .173   | .00050 | .0453  | .00073  | .139   | .05862 | .00071  | .00926 |
| %RSD   | .33311 | 6.6852 | 4.1877 | .93204  | .36183 | 6.4857 | 16.736  | 480.53 |

|    |        |        |        |         |        |        |         |         |
|----|--------|--------|--------|---------|--------|--------|---------|---------|
| #1 | 51.868 | .00689 | 1.1228 | -.07885 | 38.427 | .97070 | -.00346 | .01149  |
| #2 | 51.922 | .00779 | 1.0881 | -.07783 | 38.511 | .87923 | -.00486 | -.00701 |
| #3 | 51.599 | .00772 | 1.0330 | -.07926 | 38.240 | .86145 | -.00436 | .00130  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820  | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.06003 | .01209 | .00527 | .02334 | .00267 | -.2462 | .00321 | 4.9527 |
| Stddev | .02065  | .00248 | .00048 | .00146 | .00287 | .0052  | .00013 | .1089  |
| %RSD   | 34.402  | 20.492 | 9.0941 | 6.2706 | 107.64 | 2.104  | 4.0727 | 2.1987 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.03647 | .01116 | .00580 | .02167 | .00588 | -.2406 | .00336 | 4.8673 |
| #2 | -.07500 | .01020 | .00488 | .02399 | .00175 | -.2474 | .00315 | 4.9155 |
| #3 | -.06863 | .01489 | .00512 | .02438 | .00037 | -.2508 | .00312 | 5.0753 |



Sample Name: LR CHECK 2      Acquired: 3/1/2019 12:51:19      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 198.64 |
| Stddev | 6.32   |
| %RSD   | 3.1804 |

|    |        |
|----|--------|
| #1 | 191.41 |
| #2 | 201.36 |
| #3 | 203.13 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3277.3 | 40590. | 3756.9 | 15.632 | 3748.0 |
| Stddev    | 16.8   | 63.    | 19.6   | .445   | 15.0   |
| %RSD      | .51379 | .15643 | .52236 | 2.8445 | .40078 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3267.6 | 40610. | 3757.9 | 15.558 | 3744.1 |
| #2 | 3267.6 | 40641. | 3775.9 | 15.229 | 3735.4 |
| #3 | 3296.7 | 40519. | 3736.7 | 16.109 | 3764.6 |

Sample Name: K1679-01      Acquired: 3/1/2019 12:55:39      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00297 | -.00221 | .05010 | .00503 | -.00108 | 3.0926 | .22731 |
| Stddev | .00313 | .00072  | .00104 | .00272 | .00097  | .0118  | .00568 |
| %RSD   | 105.54 | 32.363  | 2.0727 | 54.128 | 89.763  | .38097 | 2.4966 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00657 | -.00188 | .05125 | .00355 | -.00210 | 3.0934 | .22681 |
| #2 | .00087 | -.00304 | .04983 | .00337 | -.00018 | 3.1040 | .22190 |
| #3 | .00146 | -.00172 | .04923 | .00817 | -.00094 | 3.0805 | .23322 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00031 | .00057 | 26.945 | .12189 | .00115 | .87335 | 16.095 |
| Stddev | .00013 | .00013 | .054   | .00059 | .00034 | .00356 | .203   |
| %RSD   | 40.380 | 22.403 | .19981 | .48555 | 29.338 | .40765 | 1.2629 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00044 | .00052 | 26.923 | .12129 | .00136 | .86970 | 16.041 |
| #2 | .00033 | .00071 | 26.904 | .12193 | .00076 | .87352 | 15.924 |
| #3 | .00018 | .00047 | 27.006 | .12247 | .00133 | .87681 | 16.319 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05296 | 2.7940 | .11296 | .00173 | 7.1378 | .00644 | .86874 |
| Stddev | .00014 | .0431  | .00011 | .00033 | .1224  | .00048 | .00050 |
| %RSD   | .25980 | 1.5433 | .09931 | 19.076 | 1.7143 | 7.4302 | .05719 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05307 | 2.8170 | .11301 | .00200 | 7.2055 | .00634 | .86837 |
| #2 | .05302 | 2.7442 | .11303 | .00183 | 6.9965 | .00695 | .86854 |
| #3 | .05281 | 2.8206 | .11283 | .00136 | 7.2112 | .00601 | .86930 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5982 | .00368 | .02139 | 8.8505 | 1.3832 | .02642 | .07795 |
| Stddev | .0436  | .00009 | .00049 | .0816  | .0130  | .00025 | .00166 |
| %RSD   | 1.6782 | 2.5062 | 2.3066 | .92195 | .93978 | .95433 | 2.1314 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5855 | .00378 | .02172 | 8.7771 | 1.3963 | .02665 | .07986 |
| #2 | 2.5623 | .00359 | .02082 | 8.8362 | 1.3703 | .02615 | .07685 |
| #3 | 2.6467 | .00368 | .02162 | 8.9384 | 1.3829 | .02647 | .07715 |

Sample Name: K1679-01      Acquired: 3/1/2019 12:55:39      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00269 | F 11.19 | .11745 | 2.8061 | F<.00000 |
| Stddev | .00232 | .02     | .00049 | .1519  | 5.8898   |
| %RSD   | 86.181 | .1947   | .41755 | 5.4146 | 2.5503   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00359 | 11.18 | .11748 | 2.9635 | -224.48 |
| #2 | .00006 | 11.19 | .11694 | 2.7943 | -235.99 |
| #3 | .00442 | 11.22 | .11792 | 2.6603 | -232.37 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3739.5 | 42833. | 3995.7 | 18.130 | 4102.6 |
| Stddev    | 4.2    | 99.    | 57.4   | .902   | 3.0    |
| %RSD      | .11217 | .23132 | 1.4377 | 4.9767 | .07200 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3735.3 | 42721. | 4000.3 | 18.775 | 4099.7 |
| #2 | 3743.7 | 42871. | 4050.7 | 17.099 | 4105.6 |
| #3 | 3739.5 | 42908. | 3936.1 | 18.517 | 4102.5 |

Sample Name: K1679-02      Acquired: 3/1/2019 12:59:58      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00185 | -.00477 | .09188 | .00614 | -.00110 | 13.744 | .56041 |
| Stddev | .00139 | .00107  | .00085 | .00178 | .00304  | .043   | .00423 |
| %RSD   | 75.228 | 22.352  | .92241 | 28.995 | 277.51  | .31207 | .75438 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00042 | -.00539 | .09108 | .00722 | -.00357 | 13.698 | .56422 |
| #2 | .00320 | -.00538 | .09277 | .00408 | -.00203 | 13.783 | .55586 |
| #3 | .00193 | -.00354 | .09180 | .00711 | .00230  | 13.752 | .56114 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00187 | .00260 | 23.309 | .05902 | .01045 | .87142 | 25.156 |
| Stddev | .00009 | .00010 | .132   | .00039 | .00016 | .00377 | .271   |
| %RSD   | 4.7518 | 3.9828 | .56493 | .65735 | 1.5243 | .43288 | 1.0783 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00178 | .00249 | 23.445 | .05947 | .01044 | .87250 | 25.454 |
| #2 | .00188 | .00269 | 23.182 | .05886 | .01030 | .87454 | 24.923 |
| #3 | .00195 | .00262 | 23.301 | .05874 | .01062 | .86723 | 25.090 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89347 | 6.5407 | .03573 | .00356 | 2.2178 | .01745 | 1.5363 |
| Stddev | .00091 | .1160  | .00016 | .00021 | .0032  | .00020 | .0027  |
| %RSD   | .10195 | 1.7738 | .44883 | 5.9519 | .14281 | 1.1191 | .17435 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89418 | 6.6563 | .03554 | .00331 | 2.2204 | .01762 | 1.5360 |
| #2 | .89244 | 6.4242 | .03583 | .00369 | 2.2143 | .01749 | 1.5391 |
| #3 | .89378 | 6.5416 | .03580 | .00367 | 2.2187 | .01724 | 1.5338 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 2.1545 | .01059 | .04570 | F 21.089 | 1.8648 | .04144 | .16882 |
| Stddev | .0399  | .00041 | .00717 | .046     | .0554  | .00063 | .00210 |
| %RSD   | 1.8521 | 3.8499 | 15.696 | .21660   | 2.9691 | 1.5182 | 1.2426 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.1968 | .01072 | .04501 | 21.080 | 1.9090 | .04179 | .17124 |
| #2 | 2.1492 | .01014 | .05319 | 21.138 | 1.8027 | .04181 | .16761 |
| #3 | 2.1175 | .01092 | .03890 | 21.048 | 1.8827 | .04071 | .16761 |

Sample Name: K1679-02      Acquired: 3/1/2019 12:59:58      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .00228 | F 23.67 | .11617 | 2.4093 | F<.00000 |
| Stddev | .00076 | .03     | .00048 | .0673  | 4.7895   |
| %RSD   | 33.256 | .1345   | .40983 | 2.7915 | 1.2592   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00295 | 23.65 | .11665 | 2.4443 | -385.11 |
| #2 | .00146 | 23.70 | .11618 | 2.3317 | -375.53 |
| #3 | .00243 | 23.65 | .11570 | 2.4518 | -380.40 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3834.8 | 43805. | 4062.4 | 18.017 | 4125.8 |
| Stddev    | 3.6    | 152.   | 37.1   | .306   | 3.4    |
| %RSD      | .09499 | .34751 | .91415 | 1.6957 | .08235 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3834.8 | 43646. | 4020.4 | 17.750 | 4122.5 |
| #2 | 3838.4 | 43950. | 4090.9 | 17.950 | 4125.8 |
| #3 | 3831.1 | 43818. | 4075.9 | 18.350 | 4129.3 |

Sample Name: K1679-03      Acquired: 3/1/2019 13:04:13      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00115 | -.00553 | .14242 | -.01052 | -.00264 | 18.968 | 1.0833 |
| Stddev | .00366 | .00115  | .00013 | .00222  | .00146  | .133   | .0045  |
| %RSD   | 318.00 | 20.793  | .08794 | 21.148  | 55.279  | .69931 | .41634 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00080 | -.00469 | .14254 | -.00804 | -.00322 | 19.059 | 1.0782 |
| #2 | .00537  | -.00684 | .14242 | -.01119 | -.00372 | 18.816 | 1.0867 |
| #3 | -.00112 | -.00505 | .14229 | -.01233 | -.00098 | 19.029 | 1.0851 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00092 | .00238 | 30.335 | .10528 | .00546 | .78853 | 45.325 |
| Stddev | .00003 | .00018 | .203   | .00074 | .00012 | .00064 | .251   |
| %RSD   | 2.8432 | 7.5260 | .66790 | .70493 | 2.2162 | .08117 | .55453 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00094 | .00228 | 30.248 | .10545 | .00547 | .78781 | 45.037 |
| #2 | .00089 | .00259 | 30.191 | .10447 | .00557 | .78904 | 45.436 |
| #3 | .00092 | .00228 | 30.567 | .10592 | .00533 | .78874 | 45.501 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1073 | 6.0402 | .03165 | .00623 | 4.4504 | .03607 | 1.5348 |
| Stddev | .0021  | .0466  | .00040 | .00059 | .0273  | .00059 | .0028  |
| %RSD   | .19055 | .77084 | 1.2794 | 9.5024 | .61427 | 1.6226 | .18261 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.1097 | 6.0436 | .03209 | .00557 | 4.4485 | .03629 | 1.5319 |
| #2 | 1.1056 | 6.0849 | .03158 | .00639 | 4.4240 | .03540 | 1.5350 |
| #3 | 1.1066 | 5.9920 | .03129 | .00672 | 4.4786 | .03651 | 1.5375 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.5609 | .00746 | .02541 | 7.1456 | 1.2505 | .04225 | .18691 |
| Stddev | .0170  | .00058 | .00634 | .0139  | .0648  | .00046 | .00468 |
| %RSD   | .30649 | 7.8054 | 24.968 | .19407 | 5.1776 | 1.0991 | 2.5023 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.5431 | .00757 | .01810 | 7.1490 | 1.2056 | .04278 | .18531 |
| #2 | 5.5626 | .00798 | .02952 | 7.1575 | 1.2212 | .04191 | .18325 |
| #3 | 5.5770 | .00683 | .02860 | 7.1304 | 1.3248 | .04206 | .19218 |

Sample Name: K1679-03      Acquired: 3/1/2019 13:04:13      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00212 | F 39.32 | .20753 | 3.0638 | F<.00000 |
| Stddev | .00070 | .11     | .00185 | .1899  | 9.6352   |
| %RSD   | 33.094 | .2716   | .89313 | 6.1973 | 1.4010   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00159 | 39.25 | .20794 | 3.2325 | -686.23 |
| #2 | .00186 | 39.27 | .20551 | 3.1009 | -678.92 |
| #3 | .00292 | 39.45 | .20915 | 2.8582 | -698.02 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3743.7 | 42548. | 3986.9 | 17.917 | 4032.0 |
| Stddev    | 6.9    | 175.   | 16.8   | .633   | 5.8    |
| %RSD      | .18366 | .41091 | .42040 | 3.5321 | .14447 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3749.3 | 42359. | 4005.9 | 18.200 | 4034.8 |
| #2 | 3745.8 | 42583. | 3980.6 | 18.358 | 4035.8 |
| #3 | 3736.0 | 42703. | 3974.2 | 17.192 | 4025.3 |

Sample Name: K1679-04      Acquired: 3/1/2019 13:08:28      Type: Unk  
Method: P4-ICP2(v2905)      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    | .01582 | -.06805 | 2.6188 | -.23479 | -.01550 | 279.16 | 15.476 |
| Stddev | .00478 | .00221  | .0036  | .00367  | .00146  | 1.89   | .058   |
| %RSD   | 30.193 | 3.2518  | .13881 | 1.5620  | 9.4256  | .67862 | .37790 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01065 | -.06925 | 2.6223 | -.23901 | -.01652 | 279.73 | 15.439 |
| #2 | .01674 | -.06550 | 2.6151 | -.23237 | -.01383 | 277.04 | 15.445 |
| #3 | .02008 | -.06940 | 2.6191 | -.23299 | -.01615 | 280.70 | 15.543 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01977 | .09042 | 388.87 | 1.1840 | .07347 | 8.8966 | 381.55 |
| Stddev | .00036 | .00072 | 1.59   | .0022  | .00080 | .0215  | 2.16   |
| %RSD   | 1.8384 | .79926 | .40788 | .18374 | 1.0946 | .24207 | .56580 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01955 | .09098 | 387.06 | 1.1821 | .07391 | 8.9144 | 379.22 |
| #2 | .02019 | .08960 | 389.51 | 1.1834 | .07395 | 8.8727 | 381.95 |
| #3 | .01957 | .09067 | 390.03 | 1.1864 | .07254 | 8.9029 | 383.48 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.836 | 54.592 | .40650 | .08712 | 8.5947 | .29597 | 22.885 |
| Stddev | .060   | .324   | .00035 | .00027 | .0387  | .00028 | .032   |
| %RSD   | .43622 | .59303 | .08641 | .30550 | .45060 | .09532 | .14126 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.779 | 54.228 | .40690 | .08723 | 8.5572 | .29587 | 22.906 |
| #2 | 13.899 | 54.702 | .40623 | .08732 | 8.5923 | .29629 | 22.848 |
| #3 | 13.829 | 54.847 | .40637 | .08682 | 8.6346 | .29576 | 22.902 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 17.675 | .04251 | -.26826 | F 23.566 | 1.9652 | .79700 | 2.4482 |
| Stddev | .026   | .00065 | .00669  | .100     | .0376  | .00331 | .0146  |
| %RSD   | .14765 | 1.5212 | 2.4949  | .42344   | 1.9106 | .41531 | .59662 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 17.676 | .04301 | -.27425 | 23.465 | 1.9426 | .79859 | 2.4466 |
| #2 | 17.649 | .04178 | -.26104 | 23.569 | 2.0085 | .79319 | 2.4344 |
| #3 | 17.701 | .04274 | -.26951 | 23.664 | 1.9444 | .79921 | 2.4635 |



Sample Name: K1679-04      Acquired: 3/1/2019 13:08:28      Type: Unk  
Method: P4-ICP2(v2905)      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       | .08075 | F 347.0 | 3.0402 | <.00000 | F<.00000 |
| Stddev    | .00315 | .9      | .0081  | .06519  | 73.944   |
| %RSD      | 3.9059 | .2474   | .26710 | 17.352  | .67920   |
| #1        | .07754 | 348.0   | 3.0326 | -.40942 | -10833.  |
| #2        | .08085 | 346.4   | 3.0393 | -.41710 | -10971.  |
| #3        | .08385 | 346.7   | 3.0488 | -.30054 | -10856.  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3770.3 | 42853.  | 4424.0 | 15.308  | 3208.4   |
| Stddev    | 10.5   | 180.    | 14.6   | 1.500   | 7.8      |
| %RSD      | .27884 | .41920  | .33005 | 9.7988  | .24388   |
| #1        | 3758.9 | 42768.  | 4440.9 | 17.018  | 3199.5   |
| #2        | 3779.5 | 43059.  | 4416.3 | 14.213  | 3214.2   |
| #3        | 3772.7 | 42732.  | 4414.9 | 14.694  | 3211.5   |

Sample Name: K1679-05      Acquired: 3/1/2019 13:12:59      Type: Unk  
Method: P4-ICP2(v2905)      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    | -0.00492 | -0.00828 | -0.02004 | -0.06631 | -0.01046 | 6.0967 | 1.0466 |
| Stddev | .00113   | .00119   | .00071   | .00050   | .00256   | .0341  | .0074  |
| %RSD   | 23.051   | 14.324   | 3.5354   | .76121   | 24.443   | .55941 | .70545 |

|    |          |          |          |          |          |        |        |
|----|----------|----------|----------|----------|----------|--------|--------|
| #1 | -0.00619 | -0.00825 | -0.02079 | -0.06582 | -0.01062 | 6.1261 | 1.0407 |
| #2 | -0.00399 | -0.00711 | -0.01938 | -0.06683 | -0.00783 | 6.0593 | 1.0442 |
| #3 | -0.00459 | -0.00949 | -0.01996 | -0.06628 | -0.01294 | 6.1047 | 1.0549 |

|        |        |          |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265   | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00573 | -0.00362 | 54.469 | .01072 | .02382 | 1.6263 | 186.58 |
| Stddev | .00015 | .00007   | .343   | .00036 | .00043 | .0015  | 1.22   |
| %RSD   | 2.5576 | 1.8765   | .63058 | 3.3644 | 1.8150 | .09412 | .65290 |

|    |        |          |        |        |        |        |        |
|----|--------|----------|--------|--------|--------|--------|--------|
| #1 | .00579 | -0.00357 | 54.232 | .01081 | .02333 | 1.6264 | 186.49 |
| #2 | .00557 | -0.00359 | 54.311 | .01103 | .02399 | 1.6277 | 185.42 |
| #3 | .00585 | -0.00370 | 54.863 | .01033 | .02415 | 1.6247 | 187.85 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 2.6992 | 8.1187 | .05094 | -0.00370 | 2.9427 | .00813 | 2.5776 |
| Stddev | .0062  | .1253  | .00038 | .00058   | .0188  | .00103 | .0032  |
| %RSD   | .22771 | 1.5431 | .74528 | 15.639   | .63864 | 12.627 | .12449 |

|    |        |        |        |          |        |        |        |
|----|--------|--------|--------|----------|--------|--------|--------|
| #1 | 2.7063 | 8.2338 | .05066 | -0.00391 | 2.9644 | .00923 | 2.5793 |
| #2 | 2.6961 | 7.9853 | .05137 | -0.00305 | 2.9311 | .00797 | 2.5739 |
| #3 | 2.6952 | 8.1369 | .05079 | -0.00416 | 2.9326 | .00719 | 2.5795 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.739 | .01405 | .09844 | F 31.353 | 2.5192 | .07385 | .05127 |
| Stddev | .071   | .00022 | .00387 | .189     | .0215  | .00087 | .00277 |
| %RSD   | .55658 | 1.5376 | 3.9329 | .60209   | .85294 | 1.1827 | 5.3981 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.671 | .01391 | .09586 | 31.564 | 2.5171 | .07427 | .05249 |
| #2 | 12.733 | .01394 | .10290 | 31.295 | 2.4989 | .07443 | .04810 |
| #3 | 12.812 | .01430 | .09657 | 31.200 | 2.5417 | .07284 | .05322 |

Sample Name: K1679-05      Acquired: 3/1/2019 13:12:59      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00533 | F 75.79 | .65527 | 3.0779 | F<.00000 |
| Stddev | .00302 | .15     | .00527 | .0879  | 24.711   |
| %RSD   | 56.568 | .1957   | .80400 | 2.8553 | .74682   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00211 | 75.72 | .65434 | 3.0797 | -3282.2 |
| #2 | .00579 | 75.70 | .65052 | 2.9892 | -3331.0 |
| #3 | .00809 | 75.97 | .66093 | 3.1649 | -3313.3 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3572.3 | 40953. | 3921.8 | 16.886 | 3801.9 |
| Stddev    | 5.7    | 195.   | 28.3   | 1.898  | 5.2    |
| %RSD      | .15920 | .47604 | .72160 | 11.239 | .13622 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3571.1 | 40744. | 3911.3 | 15.960 | 3799.7 |
| #2 | 3578.5 | 41130. | 3953.9 | 15.628 | 3807.8 |
| #3 | 3567.3 | 40984. | 3900.3 | 19.069 | 3798.2 |

Sample Name: K1680-01      Acquired: 3/1/2019 13:17:23      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00329 | -.00099 | .01688 | .00182 | -.00251 | 31.392 | .10142 |
| Stddev | .00089 | .00070  | .00192 | .00373 | .00148  | .165   | .00617 |
| %RSD   | 27.212 | 70.705  | 11.369 | 204.54 | 58.779  | .52514 | 6.0810 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00312 | -.00163 | .01539 | .00554  | -.00266 | 31.245 | .10851 |
| #2 | .00425 | -.00110 | .01619 | -.00192 | -.00391 | 31.570 | .09844 |
| #3 | .00249 | -.00024 | .01904 | .00185  | -.00097 | 31.361 | .09731 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | .00012 | 7.4951 | .02031 | .00043 | .19205 | 2.9822 |
| Stddev | .00006 | .00007 | .0544  | .00050 | .00027 | .00097 | .0353  |
| %RSD   | 185.22 | 62.094 | .72577 | 2.4712 | 63.784 | .50455 | 1.1847 |

|    |         |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00011  | .00020 | 7.5463 | .01987 | .00068 | .19098 | 3.0000 |
| #2 | -.00001 | .00007 | 7.5010 | .02021 | .00014 | .19288 | 3.0051 |
| #3 | .00001  | .00008 | 7.4380 | .02085 | .00047 | .19227 | 2.9415 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .10872 | 1.3278 | .00860 | .00064 | 3.6561 | .00202 | .35722 |
| Stddev | .00078 | .0537  | .00052 | .00019 | .0228  | .00015 | .00114 |
| %RSD   | .72134 | 4.0426 | 6.0140 | 30.183 | .62452 | 7.2429 | .31942 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10858 | 1.2666 | .00917 | .00083 | 3.6599 | .00219 | .35616 |
| #2 | .10957 | 1.3666 | .00847 | .00044 | 3.6768 | .00190 | .35843 |
| #3 | .10802 | 1.3503 | .00816 | .00066 | 3.6316 | .00199 | .35709 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.4010 | .00159 | .01795 | 2.8345 | 1.4774 | .00666 | .04021 |
| Stddev | .0210  | .00037 | .00463 | .0292  | .0366  | .00067 | .00095 |
| %RSD   | 1.5017 | 23.289 | 25.793 | 1.0314 | 2.4794 | 10.014 | 2.3697 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4251 | .00190 | .01884 | 2.8452 | 1.4975 | .00622 | .04131 |
| #2 | 1.3862 | .00118 | .01294 | 2.8569 | 1.4995 | .00743 | .03960 |
| #3 | 1.3917 | .00169 | .02208 | 2.8015 | 1.4351 | .00635 | .03971 |

Sample Name: K1680-01      Acquired: 3/1/2019 13:17:23      Type: Unk  
 Method: P4-ICP2(v2905)      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    | -.00395 | F 10.12 | .02589 | 3.3728 | F<.00000 |
| Stddev | .00337  | .01     | .00017 | .1584  | 6.6539   |
| %RSD   | 85.488  | .1412   | .66353 | 4.6967 | 16.521   |

|    |         |       |        |        |         |
|----|---------|-------|--------|--------|---------|
| #1 | -.00784 | 10.11 | .02585 | 3.2439 | -37.029 |
| #2 | -.00212 | 10.14 | .02574 | 3.3249 | -47.929 |
| #3 | -.00188 | 10.12 | .02608 | 3.5497 | -35.867 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3732.1 | 42478. | 3970.0 | 18.061 | 4091.1 |
| Stddev    | 7.3    | 63.    | 47.9   | 1.006  | 4.2    |
| %RSD      | .19640 | .14803 | 1.2063 | 5.5692 | .10326 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3740.4 | 42534. | 3940.7 | 18.617 | 4089.6 |
| #2 | 3726.4 | 42410. | 3944.1 | 16.900 | 4087.8 |
| #3 | 3729.5 | 42490. | 4025.3 | 18.667 | 4095.9 |

Sample Name: K1681-01      Acquired: 3/1/2019 13:21:43      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00538 | -.00527 | .09940 | -.00139 | -.00201 | 11.874 | .67781 |
| Stddev | .00404 | .00244  | .00085 | .00455  | .00132  | .049   | .00506 |
| %RSD   | 75.003 | 46.283  | .85267 | 326.36  | 65.461  | .41008 | .74710 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00503 | -.00497 | .09887 | .00383  | -.00335 | 11.853 | .68259 |
| #2 | .00154 | -.00785 | .09895 | -.00449 | -.00072 | 11.930 | .67250 |
| #3 | .00959 | -.00300 | .10038 | -.00352 | -.00197 | 11.839 | .67834 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00260 | .00168 | 62.008 | .04062 | .00496 | 1.1673 | 33.276 |
| Stddev | .00013 | .00017 | .517   | .00093 | .00012 | .0040  | .197   |
| %RSD   | 4.8766 | 9.8975 | .83376 | 2.2822 | 2.4844 | .34305 | .59065 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00251 | .00186 | 62.587 | .03956 | .00483 | 1.1630 | 33.468 |
| #2 | .00255 | .00167 | 61.592 | .04100 | .00506 | 1.1708 | 33.076 |
| #3 | .00275 | .00152 | 61.847 | .04130 | .00500 | 1.1682 | 33.285 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.0513 | 47.567 | .02133 | .00503 | 3.0684 | .02315 | 3.3246 |
| Stddev | .0010  | .423   | .00024 | .00010 | .0169  | .00083 | .0067  |
| %RSD   | .09516 | .88829 | 1.1428 | 1.9796 | .55172 | 3.5812 | .20285 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0510 | 47.923 | .02161 | .00514 | 3.0493 | .02374 | 3.3189 |
| #2 | 1.0524 | 47.100 | .02124 | .00499 | 3.0743 | .02221 | 3.3320 |
| #3 | 1.0504 | 47.678 | .02114 | .00495 | 3.0816 | .02351 | 3.3230 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 1.9376 | .00776 | .08628 | F 23.631 | 1.2371 | .04380 | .19596 |
| Stddev | .0253  | .00021 | .01427 | .153     | .0015  | .00109 | .00469 |
| %RSD   | 1.3074 | 2.6854 | 16.537 | .64681   | .12551 | 2.4981 | 2.3958 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9104 | .00763 | .09726 | 23.752 | 1.2388 | .04373 | .19629 |
| #2 | 1.9605 | .00800 | .09142 | 23.459 | 1.2357 | .04493 | .19111 |
| #3 | 1.9420 | .00765 | .07015 | 23.682 | 1.2367 | .04275 | .20048 |

Sample Name: K1681-01      Acquired: 3/1/2019 13:21:43      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00851 | F 27.70 | .20105 | 3.2123 | F<.00000 |
| Stddev | .00216 | .05     | .00025 | .0564  | 2.5648   |
| %RSD   | 25.427 | .1891   | .12415 | 1.7570 | .50564   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00644 | 27.64 | .20131 | 3.2724 | -505.24 |
| #2 | .01075 | 27.70 | .20081 | 3.2044 | -506.34 |
| #3 | .00833 | 27.75 | .20102 | 3.1603 | -510.13 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3681.3 | 42135. | 3949.8 | 16.524 | 3878.1 |
| Stddev    | 10.5   | 91.    | 29.2   | 1.330  | 10.7   |
| %RSD      | .28418 | .21714 | .74032 | 8.0499 | .27611 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3685.2 | 42033. | 3918.1 | 16.888 | 3884.3 |
| #2 | 3669.5 | 42164. | 3975.6 | 15.050 | 3865.7 |
| #3 | 3689.3 | 42209. | 3955.8 | 17.634 | 3884.2 |

Sample Name: K1681-02      Acquired: 3/1/2019 13:25:58      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .03067 | -.00835 | .15707 | .00309 | .00418 | 24.214 | 1.4486 |
| Stddev | .00193 | .00209  | .00118 | .00199 | .00242 | .235   | .0103  |
| %RSD   | 6.2809 | 25.069  | .75379 | 64.194 | 57.782 | .97001 | .70772 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .03015 | -.00601 | .15662 | .00287 | .00539 | 23.951 | 1.4473 |
| #2 | .03280 | -.00899 | .15842 | .00123 | .00140 | 24.402 | 1.4594 |
| #3 | .02905 | -.01005 | .15618 | .00518 | .00576 | 24.290 | 1.4391 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00344 | .01667 | 77.247 | .06808 | .01336 | 2.2696 | 62.368 |
| Stddev | .00017 | .00012 | .559   | .00109 | .00027 | .0064  | .517   |
| %RSD   | 4.9915 | .73813 | .72395 | 1.6076 | 1.9965 | .28228 | .82864 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00334 | .01655 | 77.431 | .06816 | .01361 | 2.2720 | 62.727 |
| #2 | .00364 | .01669 | 77.692 | .06913 | .01308 | 2.2745 | 62.602 |
| #3 | .00334 | .01679 | 76.619 | .06694 | .01339 | 2.2624 | 61.776 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .57039 | 18.718 | .05895 | .00866 | 7.5741 | .03959 | 4.1919 |
| Stddev | .00198 | .055   | .00018 | .00024 | .0400  | .00043 | .0029  |
| %RSD   | .34749 | .29467 | .29874 | 2.7622 | .52823 | 1.0912 | .06801 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .56933 | 18.754 | .05915 | .00841 | 7.5744 | .03986 | 4.1906 |
| #2 | .57268 | 18.655 | .05883 | .00888 | 7.6139 | .03982 | 4.1899 |
| #3 | .56918 | 18.746 | .05886 | .00871 | 7.5339 | .03909 | 4.1951 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 17.623 | .03390 | .04280 | F 41.240 | 1.7262 | .07517 | .41989 |
| Stddev | .128   | .00026 | .00781 | .131     | .0303  | .00147 | .00222 |
| %RSD   | .72591 | .75487 | 18.252 | .31751   | 1.7571 | 1.9572 | .52893 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 17.480 | .03392 | .03512 | 41.090 | 1.7498 | .07608 | .41734 |
| #2 | 17.726 | .03364 | .04254 | 41.298 | 1.7368 | .07347 | .42090 |
| #3 | 17.663 | .03415 | .05074 | 41.331 | 1.6920 | .07595 | .42141 |



Sample Name: K1681-02      Acquired: 3/1/2019 13:25:58      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .01514 | F 78.03 | .38100 | 2.7915 | F<.00000 |
| Stddev    | .00307 | .11     | .00165 | .1331  | 4.2876   |
| %RSD      | 20.292 | .1373   | .43303 | 4.7662 | .43159   |
| #1        | .01794 | 77.96   | .38189 | 2.6389 | -994.48  |
| #2        | .01185 | 78.15   | .38200 | 2.8836 | -988.73  |
| #3        | .01564 | 77.98   | .37909 | 2.8518 | -997.11  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3619.2 | 41849.  | 3945.8 | 17.208 | 3812.1   |
| Stddev    | 15.3   | 178.    | 39.4   | 1.314  | 4.7      |
| %RSD      | .42318 | .42521  | .99856 | 7.6360 | .12380   |
| #1        | 3605.6 | 41936.  | 3915.4 | 18.705 | 3807.1   |
| #2        | 3616.3 | 41644.  | 3931.7 | 16.247 | 3816.4   |
| #3        | 3635.8 | 41967.  | 3990.3 | 16.672 | 3812.7   |

Sample Name: CCV02      Acquired: 3/1/2019 13:30:14      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.2854 | 5.1672 | 5.2241 | 5.2665 | 5.3083 | 10.389 | 9.7333 |
| Stddev | .0129  | .0116  | .0086  | .0140  | .0069  | .195   | .2440  |
| %RSD   | .24461 | .22437 | .16474 | .26522 | .12970 | 1.8736 | 2.5067 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2705 | 5.1619 | 5.2229 | 5.2770 | 5.3061 | 10.189 | 9.4536 |
| #2 | 5.2932 | 5.1805 | 5.2333 | 5.2506 | 5.3160 | 10.401 | 9.9026 |
| #3 | 5.2926 | 5.1593 | 5.2162 | 5.2718 | 5.3028 | 10.578 | 9.8436 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .26130 | 2.5475 | 24.887 | 1.0385 | 2.5935 | 1.2989 | 4.9720 |
| Stddev | .00103 | .0045  | .792   | .0015  | .0041  | .0012  | .1071  |
| %RSD   | .39370 | .17593 | 3.1843 | .14891 | .15641 | .09074 | 2.1549 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26015 | 2.5447 | 23.987 | 1.0399 | 2.5895 | 1.2979 | 4.8488 |
| #2 | .26162 | 2.5526 | 25.194 | 1.0368 | 2.5977 | 1.2985 | 5.0440 |
| #3 | .26213 | 2.5450 | 25.480 | 1.0389 | 2.5933 | 1.3002 | 5.0231 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6242 | 24.504 | 2.5106 | 1.3286 | 23.463 | 2.4819 | 2.5993 |
| Stddev | .0012  | .637   | .0030  | .0053  | .547   | .0047  | .0033  |
| %RSD   | .04586 | 2.6001 | .11781 | .40074 | 2.3294 | .19011 | .12548 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6249 | 23.772 | 2.5079 | 1.3278 | 22.836 | 2.4826 | 2.5985 |
| #2 | 2.6229 | 24.802 | 2.5138 | 1.3238 | 23.834 | 2.4768 | 2.6029 |
| #3 | 2.6250 | 24.937 | 2.5102 | 1.3343 | 23.720 | 2.4862 | 2.5965 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.433 | 5.2806 | 4.7723 | 5.1157 | 5.0730 | 5.1373 | 5.0718 |
| Stddev | .531   | .0059  | .1523  | .0303  | .1073  | .0036  | .1589  |
| %RSD   | 2.2641 | .11083 | 3.1916 | .59248 | 2.1157 | .06938 | 3.1337 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 22.837 | 5.2747 | 4.6051 | 5.1409 | 4.9544 | 5.1412 | 4.8892 |
| #2 | 23.855 | 5.2864 | 4.8084 | 5.1242 | 5.1634 | 5.1342 | 5.1478 |
| #3 | 23.606 | 5.2808 | 4.9033 | 5.0821 | 5.1012 | 5.1367 | 5.1785 |

Sample Name: CCV02      Acquired: 3/1/2019 13:30:14      Type: Unk  
Method: P4-ICP2(v2905)      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       | 4.9487 | 5.082  | 5.0608 | F 4.4500 | F<.00000 |
| Stddev    | .1258  | .009   | .1271  | .0710    | 1.0959   |
| %RSD      | 2.5427 | .1697  | 2.5113 | 1.5963   | 306.09   |
| #1        | 4.8062 | 5.076  | 4.9156 | 4.4797   | -1.5155  |
| #2        | 5.0443 | 5.078  | 5.1517 | 4.3690   | -.22215  |
| #3        | 4.9957 | 5.092  | 5.1152 | 4.5015   | .66357   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3521.9 | 39969. | 3785.7 | 17.313   | 3684.5   |
| Stddev    | 7.7    | 111.   | 64.9   | .720     | 9.5      |
| %RSD      | .21887 | .27883 | 1.7150 | 4.1561   | .25744   |
| #1        | 3514.9 | 39874. | 3859.9 | 17.428   | 3679.4   |
| #2        | 3520.7 | 40092. | 3739.1 | 16.543   | 3678.7   |
| #3        | 3530.1 | 39940. | 3758.3 | 17.969   | 3695.5   |

Sample Name: CCB02      Acquired: 3/1/2019 13:34:13      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00086 | -.00062 | .00025 | .00477 | -.00072 | .02133 | .00180 |
| Stddev | .00123 | .00234  | .00038 | .00300 | .00290  | .01167 | .00049 |
| %RSD   | 142.73 | 379.22  | 150.26 | 62.957 | 402.52  | 54.740 | 27.136 |

|    |         |         |         |        |         |        |        |
|----|---------|---------|---------|--------|---------|--------|--------|
| #1 | -.00034 | .00190  | .00041  | .00330 | .00092  | .03477 | .00133 |
| #2 | .00080  | -.00102 | .00053  | .00278 | .00099  | .01368 | .00176 |
| #3 | .00211  | -.00273 | -.00018 | .00822 | -.00407 | .01553 | .00230 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | -.00007 | -.02082 | .00047 | .00004 | .00053 | .00063 |
| Stddev | .00008 | .00011  | .00506  | .00045 | .00005 | .00069 | .00015 |
| %RSD   | 100.66 | 152.91  | 24.322  | 94.700 | 135.91 | 128.83 | 23.183 |

|    |        |         |         |         |         |        |        |
|----|--------|---------|---------|---------|---------|--------|--------|
| #1 | .00017 | -.00004 | -.02482 | .00081  | .00007  | .00002 | .00080 |
| #2 | .00002 | -.00019 | -.02252 | .00064  | .00006  | .00026 | .00055 |
| #3 | .00005 | .00002  | -.01513 | -.00004 | -.00002 | .00132 | .00055 |

|        |         |        |         |        |         |         |         |
|--------|---------|--------|---------|--------|---------|---------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | -.00001 | .02983 | -.00038 | .00041 | -.01813 | -.00033 | -.00016 |
| Stddev | .00003  | .07499 | .00011  | .00065 | .00979  | .00026  | .00004  |
| %RSD   | 308.64  | 251.40 | 29.167  | 160.01 | 53.998  | 78.503  | 24.735  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00001  | -.02115 | -.00033 | -.00030 | -.01599 | -.00057 | -.00019 |
| #2 | .00001  | .11594  | -.00030 | .00097  | -.00959 | -.00038 | -.00012 |
| #3 | -.00005 | -.00530 | -.00050 | .00055  | -.02881 | -.00005 | -.00018 |

|        |        |        |        |          |        |        |         |
|--------|--------|--------|--------|----------|--------|--------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm     |
| Avg    | .02266 | .00015 | .00985 | F .02305 | .01769 | .00024 | -.00213 |
| Stddev | .07620 | .00016 | .00984 | .00150   | .00067 | .00035 | .00318  |
| %RSD   | 336.20 | 103.49 | 99.818 | 6.5021   | 3.7861 | 148.87 | 149.09  |

|    |         |         |        |        |        |         |         |
|----|---------|---------|--------|--------|--------|---------|---------|
| #1 | -.01473 | .00023  | .00875 | .02268 | .01718 | .00024  | -.00565 |
| #2 | -.02761 | -.00003 | .02020 | .02470 | .01845 | .00058  | -.00126 |
| #3 | .11033  | .00025  | .00061 | .02177 | .01745 | -.00012 | .00052  |

Sample Name: CCB02      Acquired: 3/1/2019 13:34:13      Type: Unk  
Method: P4-ICP2(v2905)      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       | .00338 | -.0044 | .00001  | F 3.1667 | F<.00000 |
| Stddev    | .00257 | .0007  | .00006  | .1810    | 9.9408   |
| %RSD      | 76.233 | 16.18  | 466.53  | 5.7141   | 513.82   |
| #1        | .00633 | -.0042 | .00001  | 3.2486   | -9.7457  |
| #2        | .00214 | -.0039 | -.00004 | 3.2923   | -5.3133  |
| #3        | .00165 | -.0052 | .00007  | 2.9593   | 9.2550   |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3602.3 | 41565. | 3703.1  | 16.278   | 4087.4   |
| Stddev    | 6.3    | 120.   | 12.6    | 1.504    | .8       |
| %RSD      | .17458 | .28875 | .33952  | 9.2412   | .01983   |
| #1        | 3602.9 | 41520. | 3694.2  | 15.283   | 4087.6   |
| #2        | 3595.8 | 41474. | 3697.6  | 15.542   | 4088.1   |
| #3        | 3608.3 | 41701. | 3717.5  | 18.008   | 4086.5   |

Sample Name: K1663-01      Acquired: 3/1/2019 13:38:41      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00098  | -.00003  | .02380  | .00010  | -.00456 | .18761  | .21320 | .00015 |
| Stddev | .00242   | .00189   | .00084  | .00630  | .00206  | .00970  | .00296 | .00004 |
| %RSD   | 246.80   | 6799.9   | 3.5203  | 6444.7  | 45.208  | 5.1726  | 1.3892 | 27.269 |
| #1     | -.00325  | .00047   | .02474  | -.00244 | -.00591 | .19878  | .21182 | .00018 |
| #2     | -.00126  | -.00212  | .02314  | -.00454 | -.00558 | .18284  | .21660 | .00010 |
| #3     | .00157   | .00156   | .02352  | .00728  | -.00219 | .18122  | .21117 | .00017 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.00054  | 317.68   | -.00006 | -.00060 | .00318  | -.01150 | .00091 | 74.166 |
| Stddev | .00019   | 1.18     | .00061  | .00028  | .00052  | .00073  | .00003 | .316   |
| %RSD   | 35.840   | .37256   | 956.72  | 46.822  | 16.525  | 6.3522  | 2.9363 | .42610 |
| #1     | -.00074  | 319.03   | -.00011 | -.00092 | .00303  | -.01073 | .00094 | 74.238 |
| #2     | -.00054  | 317.20   | .00057  | -.00051 | .00376  | -.01161 | .00089 | 74.441 |
| #3     | -.00035  | 316.82   | -.00065 | -.00038 | .00274  | -.01218 | .00090 | 73.821 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00096   | -.00132  | 1579.5  | .00297  | .09127  | 34.651  | .02292 | .37450 |
| Stddev | .00014   | .00016   | 9.1     | .00020  | .00015  | .023    | .00005 | .00773 |
| %RSD   | 14.395   | 12.069   | .57741  | 6.7310  | .16424  | .06729  | .22865 | 2.0654 |
| #1     | .00111   | -.00116  | 1582.4  | .00312  | .09128  | 34.677  | .02298 | .36734 |
| #2     | .00091   | -.00132  | 1586.8  | .00274  | .09141  | 34.631  | .02287 | .37346 |
| #3     | .00085   | -.00148  | 1569.2  | .00305  | .09111  | 34.644  | .02291 | .38271 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | F 77.471 | F 14.767 | -.02386 | -.00746 | .07149  | .0769   | 2.0637 | 6.6763 |
| Stddev | .310     | .062     | .00178  | .00256  | .00073  | .0022   | .0039  | .0728  |
| %RSD   | .40001   | .42108   | 7.4580  | 34.271  | 1.0215  | 2.888   | .19081 | 1.0900 |
| #1     | 77.504   | 14.808   | -.02356 | -.00619 | .07064  | .0794   | 2.0681 | 6.7511 |
| #2     | 77.763   | 14.797   | -.02577 | -.01040 | .07188  | .0760   | 2.0623 | 6.6720 |
| #3     | 77.146   | 14.695   | -.02225 | -.00578 | .07194  | .0753   | 2.0606 | 6.6057 |

Sample Name: K1663-01      Acquired: 3/1/2019 13:38:41      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 125.17  
Stddev      4.48  
%RSD      3.5776

#1      120.10  
#2      126.81  
#3      128.59

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3207.7 | 34683. | 3647.3 | 16.113 | 3118.9 |
| Stddev    | 9.9    | 135.   | 18.8   | 1.196  | 9.9    |
| %RSD      | .30931 | .39009 | .51575 | 7.4241 | .31790 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3219.0 | 34531. | 3630.1 | 17.264 | 3128.8 |
| #2 | 3203.0 | 34788. | 3644.5 | 16.200 | 3108.9 |
| #3 | 3200.9 | 34731. | 3667.4 | 14.876 | 3119.1 |

Sample Name: K1643-01      Acquired: 3/1/2019 13:43:13      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: INTERIOR-WAL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01089 | -.04569 | .08480 | -.03884 | -.00695 | 100.14 | .34840 |
| Stddev | .00741 | .00388  | .00130 | .00220  | .00112  | .56    | .00353 |
| %RSD   | 67.991 | 8.5019  | 1.5374 | 5.6769  | 16.129  | .55433 | 1.0131 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00380 | -.04390 | .08630 | -.04134 | -.00569 | 100.69 | .35209 |
| #2 | .01030 | -.04302 | .08391 | -.03717 | -.00731 | 100.13 | .34506 |
| #3 | .01858 | -.05014 | .08419 | -.03800 | -.00784 | 99.582 | .34805 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00349 | -.00056 | 1038.9 | .15570 | .02732 | .04218 | 56.228 |
| Stddev | .00015 | .00014  | 4.3    | .00051 | .00021 | .00048 | .276   |
| %RSD   | 4.3947 | 24.923  | .41229 | .33004 | .75488 | 1.1322 | .49039 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00351 | -.00051 | 1043.1 | .15512 | .02713 | .04198 | 56.445 |
| #2 | .00333 | -.00046 | 1039.0 | .15610 | .02728 | .04273 | 56.321 |
| #3 | .00364 | -.00072 | 1034.5 | .15589 | .02754 | .04184 | 55.917 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.8119 | 38.431 | .06174 | -.01044 | 15.215 | .18264 | .14749 |
| Stddev | .0051  | .056   | .00045 | .00054  | .110   | .00227 | .00006 |
| %RSD   | .28276 | .14581 | .72447 | 5.1594  | .72411 | 1.2426 | .04102 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.8134 | 38.490 | .06217 | -.00982 | 15.304 | .18078 | .14756 |
| #2 | 1.8161 | 38.378 | .06179 | -.01080 | 15.248 | .18517 | .14745 |
| #3 | 1.8062 | 38.426 | .06127 | -.01070 | 15.092 | .18196 | .14746 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 35.708 | .00790 | .14648 | F 50.883 | .84629 | -.00738 | 2.9676 |
| Stddev | .199   | .00027 | .00637 | .223     | .01049 | .00073  | .0092  |
| %RSD   | .55711 | 3.4197 | 4.3480 | .43746   | 1.2396 | 9.9387  | .31115 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 35.920 | .00819 | .15378 | 51.122 | .83529 | -.00788 | 2.9614 |
| #2 | 35.677 | .00785 | .14204 | 50.682 | .84740 | -.00654 | 2.9632 |
| #3 | 35.526 | .00766 | .14361 | 50.846 | .85618 | -.00773 | 2.9782 |



Sample Name: K1643-01      Acquired: 3/1/2019 13:43:13      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: INTERIOR-WAL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20045 | 3.643  | 6.5913 | 4.1175 | F<.00000 |
| Stddev | .00576 | .007   | .0325  | .2693  | 13.535   |
| %RSD   | 2.8756 | .1933  | .49228 | 6.5416 | 1.5549   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .19493 | 3.647 | 6.6222 | 4.3870 | -859.14 |
| #2 | .19998 | 3.635 | 6.5940 | 4.1172 | -866.74 |
| #3 | .20643 | 3.647 | 6.5575 | 3.8483 | -885.44 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3459.7 | 39270. | 4005.9 | 16.934 | 3305.1 |
| Stddev    | 7.8    | 165.   | 16.9   | .274   | 8.2    |
| %RSD      | .22644 | .42138 | .42208 | 1.6173 | .24685 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3454.1 | 39141. | 3990.3 | 16.650 | 3300.3 |
| #2 | 3456.4 | 39212. | 4003.6 | 17.197 | 3314.5 |
| #3 | 3468.6 | 39457. | 4023.9 | 16.954 | 3300.4 |

Sample Name: K1643-03      Acquired: 3/1/2019 13:47:31      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FLOOR-SLAB      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .08451 | -.10076 | 1.6115 | -.18773 | -.01065 | 229.22 | 1.1538 |
| Stddev | .00456 | .00097  | .0055  | .00183  | .00191  | 1.05   | .0069  |
| %RSD   | 5.3933 | .96458  | .34172 | .97225  | 17.926  | .45697 | .60146 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .08427 | -.10089 | 1.6088 | -.18747 | -.01271 | 230.28 | 1.1549 |
| #2 | .08919 | -.09973 | 1.6178 | -.18605 | -.01032 | 229.19 | 1.1602 |
| #3 | .08008 | -.10166 | 1.6079 | -.18968 | -.00894 | 228.19 | 1.1464 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01567 | .03752 | F 2142.8 | .51223 | .15095 | .74452 | 238.08 |
| Stddev | .00018 | .00012 | 7.1      | .00223 | .00121 | .00296 | 1.22   |
| %RSD   | 1.1779 | .31819 | .33112   | .43627 | .79994 | .39729 | .51206 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01584 | .03758 | 2150.9 | .51454 | .15225 | .74494 | 238.69 |
| #2 | .01570 | .03739 | 2137.6 | .51208 | .15076 | .74724 | 238.87 |
| #3 | .01547 | .03760 | 2139.8 | .51008 | .14986 | .74137 | 236.67 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.4885 | 95.411 | .28985 | -.03984 | 44.720 | .27367 | 2.2301 |
| Stddev | .0144  | .268   | .00099 | .00035  | .129   | .00122 | .0052  |
| %RSD   | .26234 | .28075 | .34247 | .86877  | .28941 | .44652 | .23234 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.5051 | 95.172 | .29039 | -.04023 | 44.764 | .27325 | 2.2346 |
| #2 | 5.4813 | 95.701 | .29046 | -.03972 | 44.821 | .27271 | 2.2244 |
| #3 | 5.4791 | 95.360 | .28871 | -.03957 | 44.574 | .27505 | 2.2312 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 49.426 | .01342 | .32863 | F 64.222 | .70459 | .06275 | 5.5365 |
| Stddev | .192   | .00042 | .00457 | .161     | .00593 | .00084 | .0204  |
| %RSD   | .38793 | 3.0992 | 1.3912 | .25060   | .84134 | 1.3426 | .36799 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 49.287 | .01374 | .33049 | 64.127 | .70162 | .06199 | 5.5184 |
| #2 | 49.645 | .01295 | .33198 | 64.408 | .71142 | .06261 | 5.5326 |
| #3 | 49.346 | .01358 | .32342 | 64.132 | .70074 | .06366 | 5.5586 |

Sample Name: K1643-03      Acquired: 3/1/2019 13:47:31      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: FLOOR-SLAB      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |          |        |          |
|--------|--------|--------|----------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | .50986 | 8.477  | F 12.155 | 2.3740 | F<.00000 |
| Stddev | .00262 | .014   | .124     | .2516  | 24.227   |
| %RSD   | .51390 | .1681  | 1.0227   | 10.597 | .44020   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .50684 | 8.490 | 12.278 | 2.5177 | -5477.0 |
| #2 | .51162 | 8.479 | 12.157 | 2.5209 | -5509.3 |
| #3 | .51111 | 8.461 | 12.030 | 2.0835 | -5524.4 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3454.0 | 38871. | 4161.4 | 15.851 | 2878.8 |
| Stddev    | 5.3    | 277.   | 23.0   | 2.307  | 5.1    |
| %RSD      | .15358 | .71230 | .55294 | 14.553 | .17588 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3453.9 | 38596. | 4156.7 | 14.790 | 2875.0 |
| #2 | 3448.8 | 38866. | 4141.1 | 18.497 | 2884.5 |
| #3 | 3459.4 | 39150. | 4186.4 | 14.266 | 2876.8 |

Sample Name: K1643-02      Acquired: 3/1/2019 13:52:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: INTERIOR-WAL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00202 | -.00344 | .00549 | .00371 | -.00401 | .07598 | .00164 | -.00006 |
| Stddev | .00358 | .00067  | .00088 | .00199 | .00271  | .00558 | .00099 | .00012  |
| %RSD   | 177.37 | 19.458  | 16.130 | 53.773 | 67.726  | 7.3460 | 60.439 | 190.96  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00611  | -.00311 | .00484 | .00566 | -.00673 | .07141 | .00178 | -.00020 |
| #2 | -.00057 | -.00422 | .00650 | .00168 | -.00398 | .07433 | .00059 | -.00002 |
| #3 | .00052  | -.00301 | .00512 | .00379 | -.00131 | .08220 | .00255 | .00003  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00015 | 131.65 | .00819 | .00239 | .00072 | .00002 | .05523 | 6.0888 |
| Stddev | .00008  | 1.80   | .00040 | .00009 | .00040 | .00126 | .00047 | .0263  |
| %RSD   | 52.042  | 1.3664 | 4.9341 | 3.7164 | 55.850 | 6782.4 | .84764 | .43198 |

|    |         |        |        |        |        |         |        |        |
|----|---------|--------|--------|--------|--------|---------|--------|--------|
| #1 | -.00021 | 130.05 | .00780 | .00246 | .00093 | .00130  | .05490 | 6.0594 |
| #2 | -.00018 | 131.31 | .00816 | .00229 | .00098 | -.00002 | .05502 | 6.0971 |
| #3 | -.00006 | 133.60 | .00861 | .00242 | .00026 | -.00122 | .05576 | 6.1100 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00295 | -.00045 | 253.49 | .00156 | .11292 | 5.4318 | .00074 | .04568 |
| Stddev | .00031 | .00008  | 3.73   | .00010 | .00035 | .0458  | .00052 | .00523 |
| %RSD   | 10.615 | 18.614  | 1.4715 | 6.1120 | .31026 | .84365 | 70.593 | 11.449 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00286 | -.00047 | 250.31 | .00147 | .11307 | 5.3982 | .00044 | .04857 |
| #2 | .00269 | -.00036 | 252.56 | .00156 | .11316 | 5.4133 | .00043 | .03964 |
| #3 | .00330 | -.00053 | 257.60 | .00166 | .11252 | 5.4840 | .00134 | .04882 |

|        |        |        |         |         |        |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.7382 | 2.1453 | -.00065 | -.00031 | .02008 | .0440  | .76496 | 4.3600 |
| Stddev | .0217  | .0413  | .00026  | .00071  | .00123 | .0016  | .00848 | .1480  |
| %RSD   | .28055 | 1.9246 | 39.911  | 230.67  | 6.1053 | 3.554  | 1.1085 | 3.3934 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 7.7520 | 2.1230 | -.00047 | -.00059 | .02019 | .0422 | .75747 | 4.4788 |
| #2 | 7.7495 | 2.1199 | -.00053 | .00050  | .01880 | .0452 | .76325 | 4.4068 |
| #3 | 7.7132 | 2.1929 | -.00094 | -.00083 | .02124 | .0445 | .77417 | 4.1943 |

Sample Name: K1643-02      Acquired: 3/1/2019 13:52:12      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: INTERIOR-WAL      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      63.605  
 Stddev      7.695  
 %RSD      12.098

#1      63.915  
 #2      55.760  
 #3      71.141

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3432.2 | 39634. | 3980.8 | 18.323 | 3635.0 |
| Stddev    | 7.1    | 85.    | 41.0   | 1.278  | 25.9   |
| %RSD      | .20585 | .21326 | 1.0310 | 6.9719 | .71199 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3424.5 | 39558. | 4004.6 | 19.749 | 3610.5 |
| #2 | 3433.7 | 39617. | 4004.5 | 17.281 | 3632.6 |
| #3 | 3438.4 | 39725. | 3933.4 | 17.940 | 3662.1 |

Sample Name: K1643-04      Acquired: 3/1/2019 13:56:43      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FLOOR-SLAB      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00117 | -.00343 | .00725 | .00162 | -.00485 | .08375 | .00377 | .00002 |
| Stddev | .00108  | .00146  | .00013 | .00147 | .00149  | .00280 | .00126 | .00008 |
| %RSD   | 91.898  | 42.487  | 1.8416 | 90.265 | 30.623  | 3.3485 | 33.399 | 481.90 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00220 | -.00209 | .00730 | .00133 | -.00350 | .08582 | .00442 | -.00002 |
| #2 | -.00005 | -.00498 | .00710 | .00033 | -.00461 | .08486 | .00232 | -.00004 |
| #3 | -.00127 | -.00321 | .00736 | .00321 | -.00645 | .08056 | .00458 | .00011  |

|        |        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00151 | 158.84 | .00684 | .00048 | .00130 | -.00209 | .03817 | 3.9278 |
| Stddev | .00012 | 1.17   | .00058 | .00015 | .00049 | .00266  | .00024 | .0441  |
| %RSD   | 8.2735 | .73422 | 8.4249 | 30.501 | 37.486 | 127.57  | .63130 | 1.1239 |

|    |        |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|--------|---------|--------|--------|
| #1 | .00164 | 159.48 | .00618 | .00034 | .00094 | -.00195 | .03796 | 3.9193 |
| #2 | .00150 | 159.54 | .00710 | .00046 | .00185 | .00050  | .03843 | 3.8886 |
| #3 | .00139 | 157.49 | .00725 | .00063 | .00111 | -.00482 | .03811 | 3.9756 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00531 | -.00068 | 315.98 | .00062 | .00837 | 4.6178 | .00132 | .04639 |
| Stddev | .00012 | .00035  | 2.50   | .00021 | .00015 | .0207  | .00045 | .01293 |
| %RSD   | 2.3125 | 52.360  | .79029 | 34.329 | 1.8173 | .44905 | 34.364 | 27.880 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00541 | -.00076 | 315.59 | .00078 | .00822 | 4.6403 | .00181 | .05695 |
| #2 | .00535 | -.00098 | 318.65 | .00038 | .00837 | 4.5995 | .00121 | .03196 |
| #3 | .00517 | -.00029 | 313.70 | .00071 | .00853 | 4.6136 | .00093 | .05027 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.3896 | 5.0320 | .00174 | -.00216 | .02725 | .0072  | .95273 | 4.0877 |
| Stddev | .0311  | .1091  | .00065 | .00212  | .00330 | .0025  | .00758 | .0918  |
| %RSD   | .70823 | 2.1683 | 37.251 | 98.208  | 12.125 | 35.53  | .79595 | 2.2456 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | 4.3966 | 5.0661 | .00249 | .00026  | .02637 | .0073 | .95832 | 4.0281 |
| #2 | 4.3557 | 5.1200 | .00132 | -.00367 | .03090 | .0046 | .95576 | 4.1934 |
| #3 | 4.4167 | 4.9099 | .00142 | -.00307 | .02447 | .0096 | .94410 | 4.0416 |

Sample Name: K1643-04      Acquired: 3/1/2019 13:56:43      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: FLOOR-SLAB      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 65.557 |
| Stddev | 1.338  |
| %RSD   | 2.0409 |

|    |        |
|----|--------|
| #1 | 66.594 |
| #2 | 66.031 |
| #3 | 64.047 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3453.2 | 39835. | 3997.5 | 17.830 | 3619.9 |
| Stddev    | 22.3   | 123.   | 53.6   | 1.151  | 13.1   |
| %RSD      | .64436 | .30754 | 1.3406 | 6.4542 | .36258 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3428.0 | 39882. | 3958.6 | 16.590 | 3620.6 |
| #2 | 3469.8 | 39695. | 3975.3 | 18.036 | 3632.7 |
| #3 | 3461.9 | 39926. | 4058.6 | 18.864 | 3606.5 |

Sample Name: K1649-01      Acquired: 3/1/2019 14:01:15      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-INTERIOR      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .06543 | -.09950 | .22248 | -.13232 | -.00548 | 259.77 | 1.1724 |
| Stddev | .00315 | .00299  | .00082 | .00488  | .00265  | 1.24   | .0046  |
| %RSD   | 4.8188 | 3.0021  | .36703 | 3.6855  | 48.255  | .47616 | .39181 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .06864 | -.10115 | .22155 | -.13706 | -.00247 | 258.49 | 1.1762 |
| #2 | .06529 | -.10130 | .22279 | -.13258 | -.00741 | 260.96 | 1.1673 |
| #3 | .06234 | -.09605 | .22309 | -.12731 | -.00657 | 259.86 | 1.1736 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01323 | .00708 | F 2661.4 | .23228 | .13607 | .16768 | 156.72 |
| Stddev | .00021 | .00040 | 4.3      | .00153 | .00067 | .00108 | .96    |
| %RSD   | 1.5604 | 5.6253 | .16046   | .65655 | .49530 | .64460 | .61045 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01315 | .00752 | 2663.5 | .23346 | .13650 | .16892 | 157.80 |
| #2 | .01347 | .00698 | 2656.5 | .23281 | .13529 | .16699 | 155.98 |
| #3 | .01308 | .00675 | 2664.2 | .23056 | .13642 | .16712 | 156.39 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.9135 | 265.67 | .17788 | -.03153 | 11.922 | .22984 | 1.0059 |
| Stddev | .0026  | .43    | .00063 | .00052  | .030   | .00175 | .0020  |
| %RSD   | .05237 | .16018 | .35318 | 1.6514  | .24820 | .76064 | .20253 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.9133 | 265.43 | .17756 | -.03177 | 11.937 | .23154 | 1.0070 |
| #2 | 4.9162 | 266.16 | .17748 | -.03093 | 11.940 | .22805 | 1.0036 |
| #3 | 4.9110 | 265.41 | .17860 | -.03189 | 11.887 | .22992 | 1.0072 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 28.894 | .00260 | .28900 | F 75.588 | .41660 | -.00026 | 5.7131 |
| Stddev | .057   | .00066 | .00639 | .091     | .00815 | .00129  | .0233  |
| %RSD   | .19806 | 25.447 | 2.2093 | .12059   | 1.9565 | 498.19  | .40801 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 28.957 | .00202 | .28353 | 75.594 | .42600 | -.00171 | 5.7379 |
| #2 | 28.880 | .00246 | .29602 | 75.677 | .41143 | .00016  | 5.6917 |
| #3 | 28.845 | .00332 | .28746 | 75.495 | .41238 | .00077  | 5.7097 |



Sample Name: K1649-01      Acquired: 3/1/2019 14:01:15      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRE-INTERIOR      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |          |        |          |
|-----------|--------|--------|----------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg       | .60756 | 9.597  | F 15.999 | 3.5627 | F<.00000 |
| Stddev    | .00378 | .030   | .037     | .1750  | 10.521   |
| %RSD      | .62253 | .3099  | .23369   | 4.9112 | .32550   |
| #1        | .60881 | 9.595  | 16.030   | 3.3699 | -3234.1  |
| #2        | .60332 | 9.569  | 15.958   | 3.7113 | -3241.4  |
| #3        | .61057 | 9.628  | 16.009   | 3.6071 | -3220.7  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 3366.7 | 38022. | 4149.0   | 15.173 | 2783.6   |
| Stddev    | 3.4    | 80.    | 22.3     | 1.316  | 11.9     |
| %RSD      | .10158 | .20928 | .53798   | 8.6721 | .42616   |
| #1        | 3367.7 | 38112. | 4126.5   | 13.803 | 2787.0   |
| #2        | 3369.4 | 37993. | 4171.1   | 16.427 | 2793.4   |
| #3        | 3362.8 | 37961. | 4149.4   | 15.290 | 2770.4   |

Sample Name: K1649-02      Acquired: 3/1/2019 14:05:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-FLOOR-SL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .06264 | -.09989 | 1.2858 | -.14179 | -.00527 | 244.66 | 1.4519 |
| Stddev | .00557 | .00333  | .0055  | .00358  | .00197  | .86    | .0153  |
| %RSD   | 8.8873 | 3.3329  | .42947 | 2.5272  | 37.419  | .35085 | 1.0522 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .06324 | -.09887 | 1.2830 | -.13995 | -.00754 | 243.69 | 1.4605 |
| #2 | .05680 | -.10361 | 1.2822 | -.13950 | -.00404 | 245.33 | 1.4609 |
| #3 | .06788 | -.09719 | 1.2921 | -.14592 | -.00422 | 244.95 | 1.4342 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01480 | .01498 | F 1904.8 | .46101 | .23072 | .61845 | 182.86 |
| Stddev | .00037 | .00043 | 13.9     | .00204 | .00109 | .00295 | 2.20   |
| %RSD   | 2.5043 | 2.8641 | .73078   | .44257 | .47174 | .47744 | 1.2011 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01465 | .01449 | 1916.0 | .46007 | .22983 | .61525 | 183.72 |
| #2 | .01523 | .01512 | 1909.3 | .46335 | .23193 | .61901 | 184.49 |
| #3 | .01453 | .01532 | 1889.2 | .45960 | .23039 | .62108 | 180.36 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.2523 | 111.32 | .29609 | -.02985 | 22.703 | .30832 | 1.7445 |
| Stddev | .0090  | 1.45   | .00094 | .00053  | .255   | .00062 | .0049  |
| %RSD   | .14463 | 1.3016 | .31832 | 1.7672  | 1.1252 | .20256 | .27782 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.2434 | 112.31 | .29634 | -.02924 | 22.886 | .30764 | 1.7468 |
| #2 | 6.2520 | 112.00 | .29688 | -.03015 | 22.812 | .30845 | 1.7389 |
| #3 | 6.2615 | 109.66 | .29505 | -.03016 | 22.411 | .30887 | 1.7477 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 46.141 | .00890 | .27095 | F 66.014 | .79512 | .06382 | 5.6486 |
| Stddev | .440   | .00059 | .00947 | .177     | .01573 | .00181 | .0155  |
| %RSD   | .95364 | 6.6193 | 3.4944 | .26775   | 1.9789 | 2.8413 | .27419 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 46.401 | .00822 | .27366 | 66.203 | .80761 | .06195 | 5.6575 |
| #2 | 46.390 | .00919 | .27877 | 65.852 | .80031 | .06394 | 5.6576 |
| #3 | 45.633 | .00928 | .26042 | 65.988 | .77745 | .06557 | 5.6307 |

Sample Name: K1649-02      Acquired: 3/1/2019 14:05:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TRE-FLOOR-SL      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |          |        |          |
|--------|--------|--------|----------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | .53253 | 8.094  | F 10.902 | 2.8228 | F<.00000 |
| Stddev | .00106 | .016   | .129     | .1112  | 43.996   |
| %RSD   | .19828 | .1927  | 1.1812   | 3.9389 | 1.1039   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .53305 | 8.097 | 11.039 | 2.7464 | -4034.3 |
| #2 | .53323 | 8.107 | 10.884 | 2.9504 | -3972.9 |
| #3 | .53132 | 8.076 | 10.783 | 2.7716 | -3949.1 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3495.6 | 39343. | 4180.4 | 15.297 | 2937.6 |
| Stddev    | 5.3    | 89.    | 41.4   | .660   | 10.0   |
| %RSD      | .15079 | .22529 | .99101 | 4.3159 | .34008 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3501.3 | 39440. | 4155.3 | 15.719 | 2926.8 |
| #2 | 3490.9 | 39267. | 4157.6 | 14.536 | 2946.6 |
| #3 | 3494.5 | 39321. | 4228.2 | 15.635 | 2939.2 |

Sample Name: K1631-13      Acquired: 3/1/2019 14:10:29      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00739 | -.00908 | .06512 | .00350 | -.00199 | 10.070 | .13174 |
| Stddev | .00240 | .00110  | .00098 | .00132 | .00321  | .053   | .00288 |
| %RSD   | 32.456 | 12.075  | 1.5056 | 37.727 | 161.15  | .53116 | 2.1880 |

|    |        |         |        |        |         |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|
| #1 | .00587 | -.00904 | .06536 | .00202 | -.00345 | 10.058 | .12980 |
| #2 | .01016 | -.01019 | .06595 | .00455 | -.00423 | 10.129 | .13505 |
| #3 | .00615 | -.00800 | .06404 | .00393 | .00169  | 10.024 | .13036 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00091 | -.00051 | 75.265 | .01170 | .01009 | .04457 | 11.197 |
| Stddev | .00013 | .00009  | .520   | .00013 | .00024 | .00031 | .065   |
| %RSD   | 14.064 | 18.389  | .69067 | 1.0700 | 2.4237 | .70355 | .57625 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00087 | -.00050 | 75.221 | .01182 | .01017 | .04439 | 11.211 |
| #2 | .00105 | -.00042 | 74.769 | .01157 | .01028 | .04493 | 11.126 |
| #3 | .00081 | -.00061 | 75.806 | .01170 | .00981 | .04439 | 11.253 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .32748 | 9.3749 | .01437 | -.00175 | 35.873 | .02598 | .11329 |
| Stddev | .00071 | .0778  | .00014 | .00018  | .151   | .00028 | .00049 |
| %RSD   | .21599 | .83004 | .95139 | 10.131  | .42107 | 1.0912 | .42815 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .32758 | 9.3817 | .01425 | -.00157 | 35.979 | .02612 | .11377 |
| #2 | .32673 | 9.2939 | .01433 | -.00176 | 35.700 | .02565 | .11280 |
| #3 | .32814 | 9.4491 | .01452 | -.00192 | 35.941 | .02616 | .11332 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 8.9472 | .00190 | .09180 | 6.3023 | F 24.512 | .00279 | .51040 |
| Stddev | .0252  | .00014 | .00855 | .0292  | .126     | .00076 | .00451 |
| %RSD   | .28131 | 7.5254 | 9.3178 | .46363 | .51274   | 27.051 | .88414 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.9731 | .00173 | .08488 | 6.3352 | 24.574 | .00293 | .50903 |
| #2 | 8.9228 | .00199 | .08915 | 6.2796 | 24.368 | .00198 | .51544 |
| #3 | 8.9458 | .00197 | .10136 | 6.2920 | 24.595 | .00347 | .50673 |

Sample Name: K1631-13      Acquired: 3/1/2019 14:10:29      Type: Unk  
Method: P4-ICP2(v2905)      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    | .02691 | .6738  | .15787 | 3.5721 | F<.00000 |
| Stddev | .00042 | .0037  | .00020 | .0708  | 5.7639   |
| %RSD   | 1.5460 | .5555  | .12707 | 1.9816 | 3.7248   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02739 | .6711 | .15809 | 3.4927 | -148.11 |
| #2 | .02668 | .6723 | .15770 | 3.5952 | -158.49 |
| #3 | .02666 | .6781 | .15782 | 3.6285 | -157.64 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3591.1 | 41459. | 3926.8 | 18.271 | 3827.5 |
| Stddev    | 18.4   | 87.    | 25.4   | .859   | 18.5   |
| %RSD      | .51113 | .20900 | .64695 | 4.7010 | .48225 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3572.9 | 41364. | 3908.1 | 19.263 | 3807.8 |
| #2 | 3590.6 | 41533. | 3955.7 | 17.782 | 3830.3 |
| #3 | 3609.6 | 41481. | 3916.6 | 17.768 | 3844.4 |

Sample Name: K1340-01      Acquired: 3/1/2019 14:19:38      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .14636 | -.01441 | .43697 | -.12810 | -.01542 | 89.788 | .30668 |
| Stddev | .00362 | .00292  | .00134 | .00165  | .00294  | .232   | .00283 |
| %RSD   | 2.4725 | 20.271  | .30562 | 1.2871  | 19.042  | .25838 | .92161 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .14919 | -.01627 | .43702 | -.12743 | -.01391 | 89.592 | .30707 |
| #2 | .14761 | -.01104 | .43562 | -.12690 | -.01355 | 89.729 | .30368 |
| #3 | .14228 | -.01591 | .43829 | -.12998 | -.01880 | 90.044 | .30930 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01340 | -.00219 | 55.547 | .37328 | .04132 | .09271 | 266.49 |
| Stddev | .00020 | .00025  | .356   | .00190 | .00020 | .00099 | 1.15   |
| %RSD   | 1.4897 | 11.242  | .64158 | .50797 | .47992 | 1.0661 | .43120 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01317 | -.00241 | 55.867 | .37229 | .04139 | .09282 | 267.78 |
| #2 | .01352 | -.00222 | 55.163 | .37547 | .04146 | .09167 | 265.56 |
| #3 | .01352 | -.00193 | 55.612 | .37209 | .04109 | .09363 | 266.14 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1583 | 28.025 | .05902 | -.02104 | 2.3135 | .57088 | .53666 |
| Stddev | .0023  | .099   | .00092 | .00029  | .0249  | .00297 | .00022 |
| %RSD   | .19674 | .35317 | 1.5670 | 1.3609  | 1.0743 | .52046 | .04079 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.1561 | 28.078 | .05801 | -.02123 | 2.3343 | .56746 | .53668 |
| #2 | 1.1607 | 27.910 | .05924 | -.02071 | 2.2860 | .57231 | .53643 |
| #3 | 1.1581 | 28.086 | .05982 | -.02118 | 2.3204 | .57287 | .53687 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.256 | .00374 | .00532 | 2.8667 | 2.5570 | .01318 | .68569 |
| Stddev | .176   | .00019 | .01024 | .0113  | .0364  | .00040 | .00364 |
| %RSD   | .96254 | 5.1138 | 192.33 | .39562 | 1.4251 | 3.0255 | .53089 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 18.362 | .00390 | .01715  | 2.8548 | 2.5915 | .01293 | .68642 |
| #2 | 18.053 | .00353 | -.00058 | 2.8774 | 2.5189 | .01364 | .68174 |
| #3 | 18.353 | .00378 | -.00060 | 2.8680 | 2.5608 | .01296 | .68891 |

Sample Name: K1340-01      Acquired: 3/1/2019 14:19:38      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .05839 | 6.973  | -.10129 | .62939 | F<.00000 |
| Stddev    | .00153 | .002   | .00044  | .14041 | 28.933   |
| %RSD      | 2.6147 | .0314  | .43654  | 22.309 | .48394   |
| #1        | .06011 | 6.973  | -.10169 | .59060 | -5961.6  |
| #2        | .05787 | 6.971  | -.10137 | .78513 | -6012.0  |
| #3        | .05719 | 6.975  | -.10082 | .51245 | -5962.1  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3924.9 | 44660. | 4292.3  | 17.561 | 3824.2   |
| Stddev    | 6.3    | 113.   | 22.0    | 1.836  | 9.7      |
| %RSD      | .16038 | .25281 | .51156  | 10.454 | .25381   |
| #1        | 3917.6 | 44734. | 4269.1  | 19.009 | 3813.3   |
| #2        | 3927.8 | 44530. | 4312.8  | 18.177 | 3827.3   |
| #3        | 3929.2 | 44716. | 4294.9  | 15.496 | 3831.9   |

Sample Name: K1341-07      Acquired: 3/1/2019 14:23:58      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02023 | -.05393 | .21238 | -.06623 | -.01065 | 100.64 | .36626 |
| Stddev | .00066 | .00439  | .00115 | .00460  | .00062  | .18    | .00455 |
| %RSD   | 3.2817 | 8.1409  | .54184 | 6.9520  | 5.7803  | .17673 | 1.2411 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02096 | -.05155 | .21360 | -.06107 | -.01040 | 100.65 | .37085 |
| #2 | .01966 | -.05900 | .21131 | -.06992 | -.01019 | 100.81 | .36618 |
| #3 | .02008 | -.05125 | .21225 | -.06769 | -.01135 | 100.45 | .36176 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00628 | .00084 | 216.57 | .34451 | .08833 | .28253 | 141.24 |
| Stddev | .00023 | .00007 | 1.53   | .00112 | .00090 | .00077 | .49    |
| %RSD   | 3.6062 | 8.4335 | .70760 | .32640 | 1.0177 | .27194 | .35002 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00654 | .00076 | 216.10 | .34339 | .08889 | .28262 | 141.69 |
| #2 | .00617 | .00087 | 215.33 | .34564 | .08880 | .28324 | 141.34 |
| #3 | .00614 | .00089 | 218.29 | .34452 | .08729 | .28171 | 140.71 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.5296 | 127.49 | .65202 | -.01342 | 3.9783 | .25369 | .48765 |
| Stddev | .0064  | .91    | .00263 | .00047  | .0275  | .00034 | .00203 |
| %RSD   | .25142 | .71391 | .40261 | 3.5038  | .69014 | .13411 | .41629 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.5323 | 128.19 | .65494 | -.01381 | 4.0019 | .25336 | .48955 |
| #2 | 2.5342 | 126.46 | .65128 | -.01290 | 3.9482 | .25368 | .48788 |
| #3 | 2.5224 | 127.81 | .64985 | -.01355 | 3.9848 | .25404 | .48551 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.430 | .02939 | .01329 | F 10.325 | 1.2341 | .01613 | 3.0102 |
| Stddev | .081   | .00015 | .00347 | .010     | .0127  | .00038 | .0024  |
| %RSD   | .78118 | .52455 | 26.128 | .09756   | 1.0326 | 2.3750 | .08150 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.411 | .02940 | .01509 | 10.321 | 1.2292 | .01584 | 3.0114 |
| #2 | 10.359 | .02923 | .00929 | 10.336 | 1.2246 | .01598 | 3.0073 |
| #3 | 10.519 | .02954 | .01549 | 10.317 | 1.2486 | .01656 | 3.0117 |



Sample Name: K1341-07      Acquired: 3/1/2019 14:23:58      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .10400 | 8.521  | .13710 | <.00000 | F<.00000 |
| Stddev    | .00202 | .016   | .00351 | .22653  | 51.657   |
| %RSD      | 1.9392 | .1817  | 2.5620 | 1160.1  | 1.6315   |
| #1        | .10201 | 8.526  | .13783 | .10881  | -3117.9  |
| #2        | .10604 | 8.533  | .13328 | .11370  | -3160.0  |
| #3        | .10395 | 8.503  | .14019 | -.28109 | -3220.7  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4163.7 | 47754. | 4701.8 | 16.347  | 3497.4   |
| Stddev    | 6.8    | 169.   | 27.0   | .863    | 17.4     |
| %RSD      | .16443 | .35459 | .57325 | 5.2817  | .49823   |
| #1        | 4161.2 | 47633. | 4684.4 | 17.340  | 3482.8   |
| #2        | 4158.4 | 47681. | 4732.8 | 15.780  | 3492.6   |
| #3        | 4171.4 | 47947. | 4688.1 | 15.920  | 3516.7   |

Sample Name: CCV03      Acquired: 3/1/2019 14:28:15      Type: Unk  
Method: P4-ICP2(v2905)      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    | F 5.3881 | 5.1979 | F 5.2559 | F 5.3695 | F 5.4158 | F 10.721 | 10.040 |
| Stddev | .0063    | .0098  | .0071    | .0111    | .0057    | .120     | .034   |
| %RSD   | .11739   | .18927 | .13541   | .20629   | .10528   | 1.1228   | .33630 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.3954 | 5.2082 | 5.2614 | 5.3746 | 5.4221 | 10.582 | 10.023 |
| #2 | 5.3848 | 5.1886 | 5.2583 | 5.3771 | 5.4141 | 10.789 | 10.079 |
| #3 | 5.3842 | 5.1970 | 5.2479 | 5.3568 | 5.4111 | 10.792 | 10.018 |

|        |          |        |        |          |        |          |        |
|--------|----------|--------|--------|----------|--------|----------|--------|
| Elem   | Be2348   | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247   | Fe2404 |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm      | ppm    |
| Avg    | F .26373 | 2.5619 | 25.491 | F 1.0528 | 2.6202 | F 1.3179 | 5.0400 |
| Stddev | .00143   | .0035  | .209   | .0079    | .0049  | .0023    | .0326  |
| %RSD   | .54068   | .13616 | .82073 | .74861   | .18687 | .17321   | .64592 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .26225 | 2.5657 | 25.306 | 1.0447 | 2.6258 | 1.3204 | 5.0026 |
| #2 | .26386 | 2.5614 | 25.718 | 1.0534 | 2.6168 | 1.3173 | 5.0622 |
| #3 | .26509 | 2.5588 | 25.448 | 1.0604 | 2.6180 | 1.3160 | 5.0552 |

|        |          |        |        |          |        |        |          |
|--------|----------|--------|--------|----------|--------|--------|----------|
| Elem   | Mn2576   | Mg2790 | Ni2316 | Ag3280   | Na5895 | V_2924 | Zn2138   |
| Units  | ppm      | ppm    | ppm    | ppm      | ppm    | ppm    | ppm      |
| Avg    | F 2.6473 | 24.798 | 2.5292 | F 1.3575 | 24.020 | 2.5059 | F 2.6272 |
| Stddev | .0083    | .130   | .0034  | .0087    | .068   | .0082  | .0066    |
| %RSD   | .31349   | .52242 | .13608 | .63983   | .28484 | .32599 | .24984   |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6406 | 24.654 | 2.5331 | 1.3496 | 23.948 | 2.4968 | 2.6346 |
| #2 | 2.6447 | 24.905 | 2.5270 | 1.3561 | 24.084 | 2.5082 | 2.6249 |
| #3 | 2.6566 | 24.836 | 2.5274 | 1.3668 | 24.028 | 2.5127 | 2.6221 |

|        |        |          |        |        |        |        |        |
|--------|--------|----------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020   | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 24.056 | F 5.3557 | 4.9347 | 5.2041 | 5.0442 | 5.1621 | 5.2282 |
| Stddev | .029   | .0067    | .0413  | .0145  | .0157  | .0141  | .0246  |
| %RSD   | .12034 | .12571   | .83583 | .27886 | .31067 | .27266 | .47095 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.050 | 5.3581 | 4.8894 | 5.2175 | 5.0349 | 5.1783 | 5.2109 |
| #2 | 24.087 | 5.3609 | 4.9702 | 5.2062 | 5.0623 | 5.1531 | 5.2564 |
| #3 | 24.030 | 5.3481 | 4.9445 | 5.1887 | 5.0353 | 5.1548 | 5.2172 |

Sample Name: CCV03      Acquired: 3/1/2019 14:28:15      Type: Unk  
 Method: P4-ICP2(v2905)      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       | 5.1294 | 5.152  | 5.2311 | F 4.3912 | F<.00000 |
| Stddev    | .0033  | .012   | .0114  | .1114    | 2.5737   |
| %RSD      | .06429 | .2325  | .21708 | 2.5361   | 67.010   |
| #1        | 5.1325 | 5.165  | 5.2317 | 4.2795   | -.96428  |
| #2        | 5.1297 | 5.142  | 5.2421 | 4.3919   | -5.9259  |
| #3        | 5.1260 | 5.149  | 5.2194 | 4.5022   | -4.6322  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3557.1 | 40538. | 3847.6 | 16.844   | 3736.5   |
| Stddev    | 6.3    | 88.    | 6.8    | 1.622    | 8.0      |
| %RSD      | .17840 | .21746 | .17572 | 9.6316   | .21348   |
| #1        | 3554.0 | 40597. | 3844.3 | 15.502   | 3729.0   |
| #2        | 3552.9 | 40581. | 3843.2 | 16.383   | 3735.6   |
| #3        | 3564.4 | 40437. | 3855.4 | 18.647   | 3744.8   |

Sample Name: CCB03      Acquired: 3/1/2019 14:32:15      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00167 | .00018 | -.00052 | .00260 | -.00065 | .00022 | -.01446 |
| Stddev | .00102 | .00061 | .00080  | .00182 | .00066  | .00284 | .00483  |
| %RSD   | 61.198 | 335.03 | 152.90  | 70.106 | 101.93  | 1298.9 | 33.391  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00284 | .00029  | .00019  | .00460 | -.00141 | -.00295 | -.01826 |
| #2 | .00122 | .00072  | -.00037 | .00106 | -.00020 | .00252  | -.01609 |
| #3 | .00095 | -.00047 | -.00138 | .00213 | -.00034 | .00108  | -.00903 |

|        |        |        |         |        |         |         |        |
|--------|--------|--------|---------|--------|---------|---------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    |
| Avg    | .00009 | .00005 | -.01058 | .00062 | -.00002 | -.00016 | .00086 |
| Stddev | .00005 | .00008 | .01514  | .00027 | .00022  | .00066  | .00083 |
| %RSD   | 55.015 | 172.08 | 143.08  | 43.325 | 886.27  | 404.73  | 95.869 |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00008 | -.00004 | -.01643 | .00036 | -.00025 | -.00046 | .00153  |
| #2 | .00015 | .00007  | -.02192 | .00060 | .00018  | -.00062 | -.00006 |
| #3 | .00005 | .00011  | .00661  | .00089 | -.00001 | .00059  | .00112  |

|        |        |        |        |         |        |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00003 | .03870 | .00011 | -.00021 | .01796 | -.00016 | -.00034 |
| Stddev | .00001 | .05868 | .00031 | .00031  | .00361 | .00027  | .00006  |
| %RSD   | 39.699 | 151.62 | 284.60 | 147.10  | 20.094 | 163.69  | 18.317  |

|    |        |         |         |         |        |         |         |
|----|--------|---------|---------|---------|--------|---------|---------|
| #1 | .00003 | .03001  | .00038  | -.00009 | .02180 | -.00047 | -.00032 |
| #2 | .00002 | -.01515 | .00017  | .00002  | .01747 | -.00003 | -.00041 |
| #3 | .00005 | .10125  | -.00022 | -.00057 | .01463 | .00001  | -.00029 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .08102 | .00032 | .02290 | F .04205 | .00187 | -.00000 | .00265 |
| Stddev | .02553 | .00034 | .00083 | .00691   | .00310 | .00020  | .00118 |
| %RSD   | 31.511 | 104.11 | 3.6205 | 16.445   | 166.08 | 6171.7  | 44.579 |

|    |        |         |        |        |         |         |        |
|----|--------|---------|--------|--------|---------|---------|--------|
| #1 | .05304 | -.00006 | .02344 | .03634 | .00034  | .00020  | .00397 |
| #2 | .10305 | .00054  | .02194 | .04006 | -.00018 | -.00001 | .00225 |
| #3 | .08696 | .00050  | .02331 | .04974 | .00543  | -.00020 | .00172 |

Sample Name: CCB03      Acquired: 3/1/2019 14:32:15      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00075 | -.0028 | -.00001 | F 3.4349 | F<.00000 |
| Stddev | .00099 | .0012  | .00007  | .3229    | 3.1096   |
| %RSD   | 130.98 | 44.17  | 750.98  | 9.4014   | 70.247   |

|    |        |        |         |        |         |
|----|--------|--------|---------|--------|---------|
| #1 | .00007 | -.0018 | -.00000 | 3.7770 | -5.6354 |
| #2 | .00030 | -.0042 | .00006  | 3.1354 | -6.7503 |
| #3 | .00188 | -.0025 | -.00008 | 3.3924 | -.89419 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3670.9 | 41976. | 3855.9 | 16.742 | 4154.8 |
| Stddev    | 7.0    | 313.   | 30.7   | .719   | 13.1   |
| %RSD      | .19199 | .74673 | .79576 | 4.2926 | .31483 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3678.5 | 41660. | 3820.5 | 16.850 | 4169.9 |
| #2 | 3669.3 | 42287. | 3873.5 | 17.400 | 4146.8 |
| #3 | 3664.7 | 41981. | 3873.8 | 15.975 | 4147.6 |

Sample Name: K1643-03DLX10      Acquired: 3/1/2019 14:36:42      Type: Unk  
Method: P4-ICP2(v2905)      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    | .01248 | -.00956 | .16904 | -.01654 | -.00786 | 23.509 | .11802 |
| Stddev | .00271 | .00128  | .00092 | .00298  | .00078  | .059   | .00270 |
| %RSD   | 21.737 | 13.359  | .54254 | 18.007  | 9.9863  | .25141 | 2.2845 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01494 | -.00817 | .16798 | -.01359 | -.00695 | 23.441 | .11491 |
| #2 | .00957 | -.00983 | .16956 | -.01954 | -.00833 | 23.551 | .11962 |
| #3 | .01293 | -.01067 | .16959 | -.01650 | -.00829 | 23.534 | .11953 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00136 | .00123 | 258.87 | .06177 | .01528 | .09204 | 37.929 |
| Stddev | .00003 | .00009 | 1.83   | .00068 | .00035 | .00045 | .333   |
| %RSD   | 2.0772 | 7.0376 | .70686 | 1.0973 | 2.3096 | .48562 | .87836 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00138 | .00114 | 259.95 | .06136 | .01545 | .09175 | 38.162 |
| #2 | .00133 | .00124 | 259.90 | .06139 | .01487 | .09181 | 38.078 |
| #3 | .00137 | .00131 | 256.76 | .06255 | .01551 | .09255 | 37.547 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .67075 | 11.689 | .02891 | -.00347 | 4.9412 | .03169 | .20236 |
| Stddev | .00193 | .196   | .00032 | .00061  | .0401  | .00107 | .00030 |
| %RSD   | .28810 | 1.6753 | 1.1153 | 17.600  | .81051 | 3.3611 | .14709 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .66852 | 11.575 | .02869 | -.00320 | 4.9525 | .03155 | .20210 |
| #2 | .67176 | 11.915 | .02928 | -.00304 | 4.9744 | .03070 | .20229 |
| #3 | .67196 | 11.576 | .02876 | -.00417 | 4.8967 | .03282 | .20268 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.5612 | .00197 | .06502 | 5.8267 | .08517 | .00863 | .64361 |
| Stddev | .0178  | .00050 | .01141 | .0541  | .00398 | .00089 | .00262 |
| %RSD   | .32009 | 25.481 | 17.551 | .92757 | 4.6726 | 10.328 | .40638 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.5461 | .00236 | .07782 | 5.7752 | .08759 | .00865 | .64646 |
| #2 | 5.5566 | .00140 | .05593 | 5.8830 | .08734 | .00773 | .64132 |
| #3 | 5.5808 | .00215 | .06130 | 5.8219 | .08057 | .00951 | .64305 |

Sample Name: K1643-03DLX10      Acquired: 3/1/2019 14:36:42      Type: Unk  
Method: P4-ICP2(v2905)      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    | .05386 | .7740  | 1.4195 | 4.0024 | F<.00000 |
| Stddev | .00206 | .0014  | .0093  | .0991  | 13.300   |
| %RSD   | 3.8342 | .1799  | .65653 | 2.4751 | 2.4073   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .05595 | .7755 | 1.4258 | 4.0525 | -537.13 |
| #2 | .05182 | .7728 | 1.4238 | 4.0664 | -560.56 |
| #3 | .05380 | .7738 | 1.4088 | 3.8883 | -559.74 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3540.6 | 40177. | 3871.1 | 16.430 | 3638.0 |
| Stddev    | 9.4    | 83.    | 29.6   | .253   | 6.0    |
| %RSD      | .26415 | .20715 | .76387 | 1.5407 | .16551 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3530.4 | 40266. | 3850.4 | 16.317 | 3631.1 |
| #2 | 3542.9 | 40101. | 3857.9 | 16.720 | 3642.4 |
| #3 | 3548.6 | 40164. | 3905.0 | 16.253 | 3640.5 |

Sample Name: K1649-01DLX10      Acquired: 3/1/2019 14:41:03      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-INTERIOR      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01118 | -.01095 | .02348 | -.01181 | -.00599 | 25.138 | .11661 |
| Stddev | .00421 | .00135  | .00209 | .00452  | .00180  | .134   | .00854 |
| %RSD   | 37.678 | 12.323  | 8.8993 | 38.253  | 30.131  | .53138 | 7.3215 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00885 | -.01174 | .02532 | -.01505 | -.00392 | 24.990 | .11426 |
| #2 | .00864 | -.00939 | .02121 | -.01373 | -.00721 | 25.250 | .12607 |
| #3 | .01604 | -.01172 | .02391 | -.00665 | -.00685 | 25.175 | .10949 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00132 | -.00075 | 314.58 | .02689 | .01353 | .01960 | 22.858 |
| Stddev | .00009 | .00015  | 2.62   | .00011 | .00019 | .00013 | .181   |
| %RSD   | 7.0167 | 20.379  | .83318 | .39144 | 1.3693 | .67182 | .79102 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00140 | -.00067 | 314.75 | .02698 | .01374 | .01945 | 22.895 |
| #2 | .00122 | -.00093 | 317.11 | .02693 | .01341 | .01966 | 23.018 |
| #3 | .00132 | -.00066 | 311.88 | .02677 | .01343 | .01970 | 22.662 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .58072 | 30.505 | .01669 | -.00360 | 1.2511 | .02590 | .08583 |
| Stddev | .00017 | .183   | .00045 | .00040  | .0052  | .00077 | .00029 |
| %RSD   | .02971 | .60091 | 2.6668 | 11.032  | .41462 | 2.9711 | .33987 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .58083 | 30.481 | .01619 | -.00388 | 1.2547 | .02544 | .08597 |
| #2 | .58052 | 30.698 | .01685 | -.00315 | 1.2452 | .02678 | .08603 |
| #3 | .58081 | 30.334 | .01703 | -.00378 | 1.2535 | .02546 | .08549 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.1729 | .00038 | .04855 | 6.5151 | .05137 | .00218 | .65121 |
| Stddev | .0380  | .00027 | .01029 | .0702  | .00083 | .00083 | .00198 |
| %RSD   | 1.1965 | 71.578 | 21.184 | 1.0772 | 1.6159 | 37.906 | .30471 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.1684 | .00011 | .06040 | 6.5947 | .05184 | .00297 | .65212 |
| #2 | 3.2129 | .00038 | .04342 | 6.4885 | .05186 | .00225 | .65259 |
| #3 | 3.1374 | .00066 | .04185 | 6.4621 | .05041 | .00132 | .64894 |



Sample Name: K1649-01DLX10      Acquired: 3/1/2019 14:41:03      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-INTERIOR Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .06422 | .8361  | 1.8110 | 4.2545 | F<.00000 |
| Stddev | .00137 | .0013  | .0173  | .1644  | 9.2386   |
| %RSD   | 2.1333 | .1538  | .95485 | 3.8650 | 3.0826   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .06499 | .8353 | 1.8153 | 4.1301 | -289.63 |
| #2 | .06502 | .8376 | 1.8258 | 4.4409 | -301.70 |
| #3 | .06263 | .8354 | 1.7920 | 4.1925 | -307.78 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3509.6 | 39842. | 3870.2 | 16.466 | 3578.0 |
| Stddev    | 9.2    | 64.    | 35.6   | .896   | 21.8   |
| %RSD      | .26127 | .15985 | .91914 | 5.4438 | .60993 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3501.6 | 39858. | 3857.9 | 16.875 | 3564.7 |
| #2 | 3507.5 | 39772. | 3842.4 | 15.438 | 3566.1 |
| #3 | 3519.6 | 39896. | 3910.3 | 17.085 | 3603.2 |

Sample Name: K1649-02DLX10      Acquired: 3/1/2019 14:45:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-FLOOR-SL      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00588 | -.01041 | .13480 | -.01354 | -.00605 | 24.948 | .15209 |
| Stddev | .00236 | .00216  | .00251 | .00310  | .00098  | .149   | .00686 |
| %RSD   | 40.193 | 20.719  | 1.8646 | 22.869  | 16.143  | .59849 | 4.5124 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00722 | -.00911 | .13589 | -.01124 | -.00493 | 24.867 | .14922 |
| #2 | .00728 | -.01290 | .13659 | -.01233 | -.00673 | 25.121 | .15992 |
| #3 | .00315 | -.00923 | .13193 | -.01706 | -.00649 | 24.858 | .14712 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00144 | -.00025 | 229.05 | .05501 | .02359 | .07503 | 27.710 |
| Stddev | .00007 | .00019  | 1.91   | .00085 | .00006 | .00063 | .142   |
| %RSD   | 5.1262 | 74.970  | .83314 | 1.5524 | .27203 | .83375 | .51281 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00153 | -.00046 | 227.07 | .05403 | .02354 | .07574 | 27.687 |
| #2 | .00139 | -.00013 | 230.88 | .05537 | .02366 | .07455 | 27.862 |
| #3 | .00141 | -.00015 | 229.21 | .05562 | .02358 | .07480 | 27.580 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .75805 | 13.275 | .02905 | -.00319 | 2.4913 | .03544 | .15782 |
| Stddev | .00110 | .195   | .00024 | .00017  | .0299  | .00071 | .00005 |
| %RSD   | .14447 | 1.4709 | .83794 | 5.3020  | 1.2013 | 1.9900 | .03271 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .75798 | 13.448 | .02923 | -.00325 | 2.5223 | .03467 | .15786 |
| #2 | .75919 | 13.312 | .02877 | -.00299 | 2.4890 | .03606 | .15783 |
| #3 | .75700 | 13.063 | .02913 | -.00331 | 2.4626 | .03559 | .15776 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1793 | .00098 | .04346 | 5.9749 | .09601 | .00839 | .64882 |
| Stddev | .0307  | .00019 | .00368 | .0544  | .00243 | .00036 | .00165 |
| %RSD   | .59353 | 19.925 | 8.4750 | .91121 | 2.5308 | 4.3056 | .25462 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2017 | .00081 | .03974 | 5.9466 | .09554 | .00808 | .65067 |
| #2 | 5.1919 | .00092 | .04354 | 6.0377 | .09385 | .00878 | .64750 |
| #3 | 5.1442 | .00119 | .04711 | 5.9405 | .09864 | .00830 | .64829 |

Sample Name: K1649-02DLX10      Acquired: 3/1/2019 14:45:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TRE-FLOOR-SL      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .05526 | .7367  | 1.2552 | 4.2929 | F<.00000 |
| Stddev | .00138 | .0075  | .0078  | .2024  | 7.1292   |
| %RSD   | 2.4971 | 1.023  | .62270 | 4.7136 | 1.9092   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .05654 | .7412 | 1.2510 | 4.2733 | -367.91 |
| #2 | .05380 | .7410 | 1.2643 | 4.5043 | -381.46 |
| #3 | .05546 | .7280 | 1.2505 | 4.1010 | -370.85 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3541.8 | 40021. | 3836.2 | 16.677 | 3639.4 |
| Stddev    | 5.4    | 197.   | 14.9   | .989   | 8.1    |
| %RSD      | .15334 | .49127 | .38909 | 5.9289 | .22229 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3536.7 | 39981. | 3831.7 | 16.924 | 3631.6 |
| #2 | 3541.1 | 39847. | 3824.1 | 17.518 | 3638.6 |
| #3 | 3547.5 | 40234. | 3852.9 | 15.588 | 3647.8 |

Sample Name: K1341-09      Acquired: 3/1/2019 14:49:43      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03981 | -.04304 | .41469 | -.12338 | -.01503 | 206.55 | .90353 |
| Stddev | .00380 | .00312  | .00542 | .00340  | .00216  | 1.62   | .00793 |
| %RSD   | 9.5368 | 7.2532  | 1.3079 | 2.7546  | 14.368  | .78387 | .87737 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04413 | -.04157 | .41577 | -.12210 | -.01717 | 206.48 | .89838 |
| #2 | .03698 | -.04093 | .40881 | -.12723 | -.01285 | 204.97 | .91266 |
| #3 | .03833 | -.04663 | .41950 | -.12081 | -.01508 | 208.21 | .89955 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01369 | .00107 | 52.901 | .25299 | .12191 | .30339 | 244.02 |
| Stddev | .00032 | .00024 | .085   | .00248 | .00020 | .00161 | .94    |
| %RSD   | 2.3019 | 22.276 | .16032 | .97870 | .16056 | .53059 | .38618 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01366 | .00120 | 52.804 | .25332 | .12173 | .30169 | 243.14 |
| #2 | .01402 | .00079 | 52.933 | .25037 | .12188 | .30357 | 245.01 |
| #3 | .01339 | .00121 | 52.964 | .25529 | .12212 | .30489 | 243.89 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.3188 | 48.564 | .24644 | -.02127 | 11.703 | .40030 | .82064 |
| Stddev | .0059  | .311   | .00179 | .00042  | .033   | .00175 | .00162 |
| %RSD   | .13631 | .64056 | .72767 | 1.9651  | .28162 | .43824 | .19738 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.3224 | 48.519 | .24447 | -.02155 | 11.671 | .39937 | .82181 |
| #2 | 4.3120 | 48.896 | .24691 | -.02079 | 11.700 | .40232 | .81879 |
| #3 | 4.3219 | 48.279 | .24796 | -.02147 | 11.737 | .39920 | .82132 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.124 | .00458 | -.05369 | 2.5979 | 3.2673 | .02439 | 2.1941 |
| Stddev | .018   | .00036 | .00621  | .0966  | .0388  | .00137 | .0085  |
| %RSD   | .17517 | 7.7717 | 11.571  | 3.7186 | 1.1859 | 5.6218 | .38829 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 10.134 | .00418 | -.05507 | 2.5329 | 3.2596 | .02598 | 2.1845 |
| #2 | 10.104 | .00486 | -.04691 | 2.5518 | 3.3093 | .02358 | 2.1973 |
| #3 | 10.135 | .00470 | -.05911 | 2.7089 | 3.2329 | .02362 | 2.2006 |

Sample Name: K1341-09      Acquired: 3/1/2019 14:49:43      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |         |          |
|-----------|--------|--------|--------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm     | ppm      |
| Avg       | .21005 | 8.402  | .03321 | <.00000 | F<.00000 |
| Stddev    | .00263 | .032   | .00254 | .21511  | 12.962   |
| %RSD      | 1.2508 | .3845  | 7.6530 | 23.252  | .21582   |
| #1        | .20740 | 8.367  | .03207 | -.95833 | -5996.2  |
| #2        | .21266 | 8.408  | .03144 | -1.1217 | -6020.8  |
| #3        | .21010 | 8.430  | .03613 | -.69536 | -6001.4  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4245.3 | 47846. | 4646.4 | 17.090  | 3628.5   |
| Stddev    | 2.0    | 211.   | 26.7   | 1.514   | 4.3      |
| %RSD      | .04749 | .44012 | .57562 | 8.8572  | .11964   |
| #1        | 4243.1 | 47884. | 4658.2 | 18.773  | 3625.7   |
| #2        | 4245.8 | 48035. | 4615.8 | 15.839  | 3633.5   |
| #3        | 4247.0 | 47619. | 4665.2 | 16.658  | 3626.2   |

Sample Name: K1631-14      Acquired: 3/1/2019 14:54:09      Type: Unk  
 Method: P4-ICP2(v2905)      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    | -.00277 | -.00191 | .00063 | .00308 | -.00216 | .13948 | .03616 | .00001 |
| Stddev | .00069  | .00168  | .00048 | .00213 | .00177  | .02317 | .01223 | .00005 |
| %RSD   | 25.059  | 87.796  | 76.558 | 69.060 | 81.868  | 16.608 | 33.815 | 730.86 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00197 | -.00279 | .00075 | .00351 | -.00099 | .14631 | .04265 | .00001  |
| #2 | -.00308 | -.00297 | .00010 | .00077 | -.00130 | .15847 | .04377 | .00006  |
| #3 | -.00325 | .00002  | .00105 | .00496 | -.00419 | .11367 | .02205 | -.00004 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 6.8267 | .00122 | -.00004 | .00082 | .09072 | .00646 | .55521 |
| Stddev | .00003  | .6066  | .00012 | .00019  | .00059 | .01110 | .00011 | .02960 |
| %RSD   | 109.63  | 8.8857 | 9.8688 | 450.97  | 71.223 | 12.241 | 1.6282 | 5.3311 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00001  | 7.1447 | .00108 | -.00006 | .00149 | .09769 | .00642 | .55987 |
| #2 | -.00005 | 7.2081 | .00131 | .00015  | .00038 | .09655 | .00657 | .58221 |
| #3 | -.00004 | 6.1272 | .00126 | -.00022 | .00061 | .07791 | .00637 | .52357 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00110 | -.00040 | 3.6991 | .00023 | .01668 | .79615 | .00018 | .02770 |
| Stddev | .00026 | .00023  | .3211  | .00016 | .00006 | .04527 | .00017 | .00233 |
| %RSD   | 23.611 | 59.145  | 8.6814 | 67.899 | .34185 | 5.6860 | 95.460 | 8.4275 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00114 | -.00059 | 3.8442 | .00036 | .01671 | .77421 | -.00001 | .02533 |
| #2 | .00082 | -.00014 | 3.9221 | .00006 | .01661 | .84820 | .00024  | .03000 |
| #3 | .00133 | -.00046 | 3.3310 | .00028 | .01671 | .76602 | .00031  | .02775 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .72405 | 1.2149 | -.00048 | .00562 | -.00328 | .0277  | .01551 | 2.8746 |
| Stddev | .01982 | .0962  | .00064  | .00223 | .00135  | .0011  | .00137 | .0876  |
| %RSD   | 2.7373 | 7.9176 | 131.98  | 39.710 | 41.138  | 4.053  | 8.8434 | 3.0466 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .72358 | 1.2673 | -.00068 | .00425 | -.00202 | .0290 | .01645 | 2.9062 |
| #2 | .74410 | 1.2735 | -.00099 | .00441 | -.00313 | .0270 | .01615 | 2.7756 |
| #3 | .70447 | 1.1039 | .00023  | .00819 | -.00470 | .0271 | .01394 | 2.9420 |

Sample Name: K1631-14      Acquired: 3/1/2019 14:54:09      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      <.00000  
 Stddev      4.1253  
 %RSD      1056.6

#1      -5.1395  
 #2      2.3054  
 #3      1.6628

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3667.9 | 42759. | 4092.7 | 19.028 | 4187.9 |
| Stddev    | 21.4   | 98.    | 335.7  | 1.250  | 15.5   |
| %RSD      | .58373 | .23026 | 8.2033 | 6.5679 | .37017 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3643.3 | 42741. | 3892.8 | 17.725 | 4173.5 |
| #2 | 3678.1 | 42671. | 3905.0 | 19.142 | 4186.0 |
| #3 | 3682.3 | 42865. | 4480.4 | 20.217 | 4204.3 |

Sample Name: K1631-14DUP      Acquired: 3/1/2019 14:58:35      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00131 | -.00106 | -.00016 | .00070 | -.00136 | .13086 | .04571 | -.00005 |
| Stddev | .00181 | .00049  | .00076  | .00181 | .00144  | .01191 | .00461 | .00005  |
| %RSD   | 137.45 | 46.696  | 487.51  | 257.98 | 105.73  | 9.1049 | 10.089 | 102.39  |

|    |        |         |         |         |         |        |        |         |
|----|--------|---------|---------|---------|---------|--------|--------|---------|
| #1 | .00009 | -.00052 | .00013  | .00024  | -.00161 | .12091 | .04884 | -.00005 |
| #2 | .00046 | -.00149 | .00042  | -.00083 | .00019  | .14406 | .04041 | -.00010 |
| #3 | .00339 | -.00115 | -.00101 | .00270  | -.00265 | .12761 | .04788 | -.00000 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 7.1608 | .00125 | -.00005 | .00073 | .08630 | .00624 | .66433 |
| Stddev | .00014 | .0268  | .00011 | .00021  | .00024 | .00251 | .00009 | .04322 |
| %RSD   | 1106.9 | .37397 | 8.5644 | 397.98  | 32.687 | 2.9040 | 1.4463 | 6.5060 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00013  | 7.1440 | .00137 | -.00029 | .00093 | .08897 | .00626 | .69250 |
| #2 | .00003  | 7.1467 | .00124 | .00011  | .00079 | .08401 | .00614 | .61457 |
| #3 | -.00013 | 7.1917 | .00115 | .00002  | .00046 | .08591 | .00632 | .68593 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00094 | -.00044 | 3.8675 | .00021 | .01622 | .82631 | .00051 | .02625 |
| Stddev | .00003 | .00026  | .0333  | .00028 | .00011 | .02069 | .00012 | .00856 |
| %RSD   | 3.5769 | 59.132  | .86208 | 133.24 | .69258 | 2.5033 | 23.411 | 32.629 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00098 | -.00070 | 3.9019 | .00047  | .01630 | .84525 | .00065 | .01652 |
| #2 | .00094 | -.00045 | 3.8354 | -.00009 | .01628 | .82943 | .00047 | .03264 |
| #3 | .00091 | -.00018 | 3.8651 | .00025  | .01610 | .80424 | .00042 | .02958 |

|        |        |        |         |        |         |        |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .72611 | 1.2445 | -.00010 | .00360 | -.00331 | .0269  | .01615 | 2.9589 |
| Stddev | .00976 | .0225  | .00025  | .00134 | .00344  | .0004  | .00019 | .1018  |
| %RSD   | 1.3437 | 1.8104 | 249.85  | 37.276 | 104.04  | 1.343  | 1.1645 | 3.4397 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .73734 | 1.2605 | -.00039 | .00297 | -.00370 | .0267 | .01636 | 2.9016 |
| #2 | .72131 | 1.2187 | .00005  | .00514 | -.00655 | .0273 | .01610 | 3.0764 |
| #3 | .71969 | 1.2542 | .00003  | .00268 | .00031  | .0267 | .01599 | 2.8987 |



Sample Name: K1631-14DUP      Acquired: 3/1/2019 14:58:35      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      2.0529  
Stddev      1.6468  
%RSD      80.220

#1      1.3355  
#2      .88644  
#3      3.9367

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3696.9 | 42847. | 3952.5 | 18.022 | 4205.9 |
| Stddev    | 13.8   | 156.   | 68.5   | .800   | 11.7   |
| %RSD      | .37210 | .36508 | 1.7326 | 4.4405 | .27845 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3686.9 | 42932. | 3885.2 | 17.925 | 4199.3 |
| #2 | 3691.1 | 42666. | 4022.1 | 17.275 | 4199.0 |
| #3 | 3712.6 | 42942. | 3950.2 | 18.867 | 4219.4 |

Sample Name: K1631-14LX5      Acquired: 3/1/2019 15:03:02      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00092 | -.00099 | .00034 | .00222 | -.00335 | .02102 | .00326 | .00004 |
| Stddev | .00511 | .00193  | .00100 | .00193 | .00099  | .00551 | .00458 | .00003 |
| %RSD   | 557.32 | 195.60  | 292.80 | 86.840 | 29.497  | 26.213 | 140.38 | 57.016 |

|    |         |         |         |        |         |        |         |        |
|----|---------|---------|---------|--------|---------|--------|---------|--------|
| #1 | .00400  | -.00185 | .00001  | .00215 | -.00439 | .01619 | .00627  | .00005 |
| #2 | .00372  | .00122  | .00146  | .00419 | -.00322 | .02702 | -.00201 | .00007 |
| #3 | -.00498 | -.00233 | -.00045 | .00033 | -.00243 | .01984 | .00553  | .00002 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | 1.5041 | .00056 | -.00002 | .00012 | .01859 | .00132 | .17551 |
| Stddev | .00004  | .0143  | .00003 | .00007  | .00027 | .00263 | .00006 | .06104 |
| %RSD   | 262.84  | .95244 | 6.0097 | 373.94  | 235.04 | 14.140 | 4.3544 | 34.778 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | .00003  | 1.5090 | .00053 | .00003  | .00023  | .01610 | .00137 | .12581 |
| #2 | -.00003 | 1.4880 | .00060 | -.00010 | -.00020 | .01834 | .00134 | .15708 |
| #3 | -.00004 | 1.5154 | .00056 | .00002  | .00032  | .02134 | .00126 | .24364 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | .00001 | .80772 | -.00031 | .00325 | .20939 | .00004 | .00785 |
| Stddev | .00025 | .00023 | .00726 | .00018  | .00006 | .03410 | .00026 | .00634 |
| %RSD   | 244.70 | 2204.0 | .89848 | 58.731  | 1.9856 | 16.283 | 588.27 | 80.759 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00036  | .00026  | .80193 | -.00011 | .00329 | .17864 | .00034  | .01171 |
| #2 | -.00014 | -.00019 | .80537 | -.00034 | .00329 | .20347 | -.00012 | .00053 |
| #3 | .00009  | -.00004 | .81586 | -.00047 | .00318 | .24606 | -.00009 | .01130 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .17847 | .27123 | .00077 | .00477 | -.00521 | .0036  | .00354 | 3.1001 |
| Stddev | .00442 | .00429 | .00082 | .00275 | .00139  | .0006  | .00009 | .0051  |
| %RSD   | 2.4779 | 1.5809 | 105.68 | 57.662 | 26.604  | 16.11  | 2.5191 | .16481 |

|    |        |        |         |        |         |       |        |        |
|----|--------|--------|---------|--------|---------|-------|--------|--------|
| #1 | .18228 | .27184 | .00140  | .00607 | -.00453 | .0033 | .00365 | 3.0946 |
| #2 | .17953 | .26666 | .00108  | .00161 | -.00430 | .0032 | .00349 | 3.1010 |
| #3 | .17362 | .27517 | -.00015 | .00664 | -.00681 | .0042 | .00349 | 3.1047 |

Sample Name: K1631-14LX5      Acquired: 3/1/2019 15:03:02      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |         |
|--------|---------|
| Elem   | U_3859  |
| Units  | ppm     |
| Avg    | <.00000 |
| Stddev | 1.6542  |
| %RSD   | 225.82  |

|    |         |
|----|---------|
| #1 | -2.6015 |
| #2 | .54330  |
| #3 | -.13939 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3674.7 | 42406. | 3851.9 | 16.864 | 4164.9 |
| Stddev    | 11.7   | 67.    | 13.9   | 1.406  | 1.6    |
| %RSD      | .31764 | .15728 | .36028 | 8.3372 | .03808 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3662.1 | 42363. | 3866.5 | 17.875 | 4166.2 |
| #2 | 3676.9 | 42373. | 3850.4 | 15.258 | 4163.1 |
| #3 | 3685.2 | 42483. | 3838.9 | 17.458 | 4165.4 |

Sample Name: K1631-14MS      Acquired: 3/1/2019 15:07:30      Type: Unk  
Method: P4-ICP2(v2905)      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    | .80514 | 1.9677 | .97140 | 2.0107 | .83728 | 2.1695 | .25733 |
| Stddev | .00146 | .0132  | .00414 | .0047  | .00066 | .0231  | .00615 |
| %RSD   | .18155 | .67081 | .42587 | .23260 | .07847 | 1.0641 | 2.3902 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80650 | 1.9782 | .96698 | 2.0161 | .83727 | 2.1430 | .26158 |
| #2 | .80532 | 1.9719 | .97518 | 2.0084 | .83794 | 2.1801 | .25028 |
| #3 | .80359 | 1.9529 | .97204 | 2.0076 | .83663 | 2.1853 | .26013 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19595 | .18769 | 8.2448 | .41938 | .20008 | .31685 | 3.2010 |
| Stddev | .00060 | .00040 | .0222  | .00182 | .00072 | .00082 | .0206  |
| %RSD   | .30780 | .21173 | .26986 | .43484 | .36068 | .25807 | .64356 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19532 | .18754 | 8.2410 | .41945 | .20046 | .31717 | 3.2192 |
| #2 | .19601 | .18739 | 8.2687 | .42116 | .19925 | .31745 | 3.2052 |
| #3 | .19652 | .18814 | 8.2246 | .41752 | .20054 | .31592 | 3.1787 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21779 | 2.6011 | .48372 | .07355 | 6.8244 | .30300 | .20861 |
| Stddev | .00064 | .0576  | .00053 | .00057 | .0276  | .00080 | .00045 |
| %RSD   | .29529 | 2.2152 | .10964 | .78130 | .40365 | .26468 | .21488 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21708 | 2.5346 | .48316 | .07290 | 6.8096 | .30246 | .20909 |
| #2 | .21797 | 2.6365 | .48379 | .07400 | 6.8075 | .30261 | .20820 |
| #3 | .21833 | 2.6321 | .48421 | .07376 | 6.8562 | .30392 | .20855 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.487 | .42546 | .31666 | .72182 | 2.2079 | .65286 | .20703 |
| Stddev | .024   | .00180 | .00833 | .01309 | .0324  | .00255 | .00040 |
| %RSD   | .22873 | .42238 | 2.6291 | 1.8138 | 1.4685 | .39090 | .19336 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.459 | .42627 | .30843 | .70695 | 2.2449 | .65358 | .20669 |
| #2 | 10.500 | .42671 | .31646 | .72689 | 2.1944 | .65003 | .20693 |
| #3 | 10.501 | .42340 | .32508 | .73161 | 2.1845 | .65498 | .20747 |

Sample Name: K1631-14MS      Acquired: 3/1/2019 15:07:30      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .21585 | 5.467  | .21952 | 3.3958 | F<.00000 |
| Stddev    | .00224 | .024   | .00106 | .2467  | 5.0315   |
| %RSD      | 1.0365 | .4342  | .48446 | 7.2642 | 5.4350   |
| #1        | .21842 | 5.488  | .22055 | 3.1377 | -91.821  |
| #2        | .21479 | 5.441  | .21843 | 3.6292 | -97.943  |
| #3        | .21435 | 5.470  | .21959 | 3.4203 | -87.966  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3612.4 | 42107. | 3826.6 | 15.856 | 4053.0   |
| Stddev    | 17.1   | 142.   | 22.1   | .851   | 14.8     |
| %RSD      | .47205 | .33659 | .57831 | 5.3664 | .36512   |
| #1        | 3598.6 | 42270. | 3801.9 | 15.283 | 4036.5   |
| #2        | 3607.2 | 42014. | 3833.1 | 16.833 | 4057.2   |
| #3        | 3631.5 | 42037. | 3844.7 | 15.450 | 4065.2   |

Sample Name: K1631-14MSD      Acquired: 3/1/2019 15:11:39      Type: Unk  
Method: P4-ICP2(v2905)      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    | .80226 | 1.9699 | .96996 | 2.0081 | .83130 | 2.1880 | .25255 |
| Stddev | .00343 | .0064  | .00274 | .0048  | .00231 | .0051  | .00756 |
| %RSD   | .42700 | .32443 | .28239 | .23864 | .27775 | .23410 | 2.9953 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80206 | 1.9668 | .96759 | 2.0030 | .83023 | 2.1939 | .26013 |
| #2 | .80578 | 1.9773 | .96932 | 2.0087 | .82972 | 2.1852 | .25252 |
| #3 | .79893 | 1.9657 | .97295 | 2.0125 | .83395 | 2.1849 | .24500 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19592 | .18698 | 8.3382 | .42052 | .19873 | .31530 | 3.1991 |
| Stddev | .00079 | .00027 | .0741  | .00195 | .00023 | .00053 | .0166  |
| %RSD   | .40087 | .14297 | .88932 | .46380 | .11421 | .16742 | .51906 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19662 | .18689 | 8.3627 | .42061 | .19862 | .31472 | 3.2182 |
| #2 | .19607 | .18678 | 8.3969 | .41852 | .19899 | .31574 | 3.1878 |
| #3 | .19507 | .18729 | 8.2548 | .42241 | .19857 | .31544 | 3.1913 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21855 | 2.6409 | .48109 | .07356 | 6.8466 | .30244 | .20723 |
| Stddev | .00054 | .0338  | .00106 | .00176 | .0909  | .00224 | .00043 |
| %RSD   | .24524 | 1.2802 | .21953 | 2.3967 | 1.3283 | .73940 | .20978 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21916 | 2.6083 | .48103 | .07491 | 6.9481 | .30496 | .20735 |
| #2 | .21817 | 2.6758 | .48007 | .07421 | 6.7725 | .30163 | .20759 |
| #3 | .21832 | 2.6386 | .48218 | .07157 | 6.8191 | .30071 | .20675 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.445 | .42113 | .31155 | .71997 | 2.2308 | .64963 | .20381 |
| Stddev | .070   | .00085 | .01068 | .01699 | .0139  | .00152 | .00340 |
| %RSD   | .67235 | .20289 | 3.4287 | 2.3596 | .62428 | .23380 | 1.6663 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.520 | .42033 | .31851 | .70099 | 2.2469 | .64815 | .20539 |
| #2 | 10.435 | .42203 | .31689 | .73376 | 2.2232 | .65119 | .20612 |
| #3 | 10.381 | .42102 | .29925 | .72517 | 2.2224 | .64956 | .19991 |

Sample Name: K1631-14MSD      Acquired: 3/1/2019 15:11:39      Type: Unk  
Method: P4-ICP2(v2905)      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    | .21473 | 5.458  | .21787 | 3.3922 | F<.00000 |
| Stddev | .00221 | .001   | .00152 | .1122  | 5.3030   |
| %RSD   | 1.0299 | .0114  | .69780 | 3.3089 | 5.5790   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21727 | 5.458 | .21875 | 3.4834 | -99.066 |
| #2 | .21326 | 5.459 | .21875 | 3.4263 | -89.041 |
| #3 | .21366 | 5.458 | .21611 | 3.2668 | -97.053 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3635.5 | 42177. | 3860.1 | 17.439 | 4078.7 |
| Stddev    | 10.0   | 96.    | 29.7   | .339   | 14.0   |
| %RSD      | .27487 | .22679 | .76816 | 1.9426 | .34392 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3627.3 | 42081. | 3828.2 | 17.300 | 4066.3 |
| #2 | 3632.6 | 42177. | 3865.3 | 17.825 | 4075.8 |
| #3 | 3646.7 | 42272. | 3886.8 | 17.192 | 4093.9 |

Sample Name: K1631-14A      Acquired: 3/1/2019 15:15:46      Type: Unk  
Method: P4-ICP2(v2905)      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    | .78902 | 1.9452 | .95610 | 1.9780 | .82032 | 2.1572 | .24294 |
| Stddev | .00315 | .0165  | .00765 | .0093  | .00454 | .0400  | .00697 |
| %RSD   | .39922 | .84846 | .80038 | .46866 | .55394 | 1.8561 | 2.8707 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .78790 | 1.9459 | .96017 | 1.9740 | .81912 | 2.1963 | .23499 |
| #2 | .79257 | 1.9613 | .96085 | 1.9886 | .82535 | 2.1163 | .24804 |
| #3 | .78658 | 1.9283 | .94727 | 1.9714 | .81651 | 2.1590 | .24580 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19276 | .18470 | 8.1707 | .41384 | .19664 | .31070 | 3.1139 |
| Stddev | .00006 | .00073 | .0112  | .00086 | .00107 | .00172 | .0384  |
| %RSD   | .02910 | .39291 | .13679 | .20744 | .54220 | .55342 | 1.2338 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19277 | .18469 | 8.1595 | .41303 | .19640 | .31105 | 3.0950 |
| #2 | .19281 | .18543 | 8.1818 | .41474 | .19781 | .31222 | 3.1581 |
| #3 | .19270 | .18398 | 8.1709 | .41375 | .19572 | .30884 | 3.0885 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21523 | 2.6020 | .47433 | .07123 | 6.7494 | .29878 | .20421 |
| Stddev | .00030 | .0888  | .00211 | .00024 | .0578  | .00146 | .00112 |
| %RSD   | .14024 | 3.4120 | .44417 | .33458 | .85651 | .48993 | .54903 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21554 | 2.6934 | .47527 | .07116 | 6.6828 | .29725 | .20467 |
| #2 | .21494 | 2.5964 | .47581 | .07103 | 6.7798 | .30017 | .20503 |
| #3 | .21520 | 2.5161 | .47192 | .07149 | 6.7857 | .29890 | .20293 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 10.300 | .41508 | .29888 | .70415 | 2.1734 | .64245 | .20119 |
| Stddev | .020   | .00217 | .00855 | .01006 | .0209  | .00432 | .00122 |
| %RSD   | .19172 | .52261 | 2.8606 | 1.4282 | .96025 | .67204 | .60437 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.282 | .41477 | .29052 | .69368 | 2.1769 | .63899 | .20147 |
| #2 | 10.321 | .41739 | .30761 | .71374 | 2.1923 | .64729 | .19985 |
| #3 | 10.298 | .41308 | .29853 | .70502 | 2.1510 | .64108 | .20224 |



Sample Name: K1631-14A      Acquired: 3/1/2019 15:15:46      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .21192 | 5.388  | .21499 | 3.1261 | F<.00000 |
| Stddev    | .00250 | .035   | .00004 | .1765  | 7.9514   |
| %RSD      | 1.1800 | .6568  | .02034 | 5.6474 | 8.0184   |
| #1        | .21412 | 5.385  | .21504 | 3.0431 | -102.14  |
| #2        | .20920 | 5.425  | .21496 | 3.3288 | -105.20  |
| #3        | .21244 | 5.354  | .21496 | 3.0063 | -90.154  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3685.2 | 42652. | 3937.3 | 17.447 | 4127.7   |
| Stddev    | 8.5    | 207.   | 41.3   | 1.551  | 8.4      |
| %RSD      | .23025 | .48480 | 1.0497 | 8.8909 | .20433   |
| #1        | 3675.6 | 42465. | 3956.4 | 18.792 | 4118.1   |
| #2        | 3688.1 | 42617. | 3889.8 | 15.750 | 4131.3   |
| #3        | 3691.9 | 42874. | 3965.5 | 17.800 | 4133.7   |

Sample Name: CCV04      Acquired: 3/1/2019 15:19:53      Type: Unk

Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000

User: Bin He      Custom ID1: CCV14610      Custom ID2:      Custom ID3:

Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.3700 | 5.2249 | 5.2709 | 5.3760 | 5.3976 | 10.606 | 10.065 | .26480   |
| Stddev | .0136  | .0065  | .0079  | .0146  | .0072  | .144   | .035   | .00144   |
| %RSD   | .25234 | .12382 | .14957 | .27095 | .13269 | 1.3569 | .35223 | .54328   |
| #1     | 5.3670 | 5.2316 | 5.2648 | 5.3711 | 5.3913 | 10.535 | 10.103 | .26341   |
| #2     | 5.3581 | 5.2187 | 5.2681 | 5.3645 | 5.3961 | 10.512 | 10.060 | .26471   |
| #3     | 5.3847 | 5.2245 | 5.2798 | 5.3924 | 5.4054 | 10.772 | 10.033 | .26628   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5746 | 25.598 | 1.0645 | 2.6294 | 1.3214 | 5.1560 | 2.6618 | 24.842   |
| Stddev | .0052  | .044   | .0096  | .0062  | .0023  | .0083  | .0109  | .098     |
| %RSD   | .20248 | .17270 | .90238 | .23667 | .17538 | .16143 | .40991 | .39342   |
| #1     | 2.5694 | 25.597 | 1.0580 | 2.6241 | 1.3198 | 5.1478 | 2.6576 | 24.777   |
| #2     | 2.5747 | 25.642 | 1.0600 | 2.6278 | 1.3202 | 5.1645 | 2.6537 | 24.954   |
| #3     | 2.5798 | 25.554 | 1.0755 | 2.6363 | 1.3240 | 5.1557 | 2.6742 | 24.795   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.5452 | 1.3665 | 24.029 | 2.5273 | 2.6246 | 24.164 | 5.3415 | 4.9465   |
| Stddev | .0064  | .0103  | .146   | .0046  | .0059  | .117   | .0123  | .0186    |
| %RSD   | .25086 | .75058 | .60654 | .18014 | .22476 | .48218 | .22982 | .37665   |
| #1     | 2.5389 | 1.3582 | 24.195 | 2.5232 | 2.6187 | 24.259 | 5.3337 | 4.9348   |
| #2     | 2.5449 | 1.3634 | 23.969 | 2.5266 | 2.6247 | 24.034 | 5.3351 | 4.9367   |
| #3     | 2.5517 | 1.3780 | 23.923 | 2.5322 | 2.6305 | 24.198 | 5.3556 | 4.9680   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.2422 | 5.1436 | 5.1898 | 5.2326 | 5.1220 | 5.182  | 5.2358 | F 4.4048 |
| Stddev | .0291  | .0180  | .0249  | .0052  | .0199  | .015   | .0083  | .1367    |
| %RSD   | .55579 | .34977 | .47880 | .10010 | .38816 | .2861  | .15796 | 3.1040   |
| #1     | 5.2089 | 5.1446 | 5.1773 | 5.2348 | 5.1446 | 5.186  | 5.2452 | 4.2840   |
| #2     | 5.2630 | 5.1611 | 5.1737 | 5.2266 | 5.1139 | 5.165  | 5.2328 | 4.3773   |
| #3     | 5.2547 | 5.1251 | 5.2184 | 5.2364 | 5.1074 | 5.194  | 5.2295 | 4.5532   |

Sample Name: CCV04      Acquired: 3/1/2019 15:19:53      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14610      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.0358 |
| Stddev | 7.5300   |
| %RSD   | 248.04   |

|    |         |
|----|---------|
| #1 | -4.9145 |
| #2 | 3.9621  |
| #3 | 10.060  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3590.3 | 40654. | 3825.5 | 16.511 | 3756.3 |
| Stddev    | 9.1    | 264.   | 12.8   | .695   | 12.0   |
| %RSD      | .25396 | .65059 | .33521 | 4.2077 | .31859 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3599.6 | 40800. | 3813.3 | 17.304 | 3769.9 |
| #2 | 3590.0 | 40814. | 3824.5 | 16.012 | 3751.4 |
| #3 | 3581.4 | 40349. | 3838.8 | 16.217 | 3747.5 |

Sample Name: CCB04      Acquired: 3/1/2019 15:23:52      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14610      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |         |         |        |
|--------|---------|---------|--------|--------|---------|---------|---------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961  | Ba4934  | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | -.00010 | -.00065 | .00091 | .00552 | -.00157 | -.00274 | -.00334 | .00010 |
| Stddev | .00144  | .00010  | .00062 | .00478 | .00042  | .00943  | .00149  | .00007 |
| %RSD   | 1374.3  | 15.683  | 68.385 | 86.610 | 26.624  | 343.88  | 44.648  | 68.345 |

|    |         |         |        |        |         |         |         |        |
|----|---------|---------|--------|--------|---------|---------|---------|--------|
| #1 | .00034  | -.00054 | .00106 | .00026 | -.00192 | .00766  | -.00431 | .00009 |
| #2 | .00106  | -.00074 | .00023 | .00668 | -.00170 | -.01072 | -.00408 | .00004 |
| #3 | -.00171 | -.00067 | .00145 | .00960 | -.00111 | -.00517 | -.00162 | .00018 |

|        |        |         |        |         |        |         |        |         |
|--------|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790  |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00003 | -.03120 | .00011 | -.00020 | .00005 | -.00055 | .00002 | -.00209 |
| Stddev | .00010 | .02863  | .00036 | .00012  | .00052 | .00136  | .00004 | .06139  |
| %RSD   | 279.88 | 91.748  | 330.67 | 62.243  | 970.07 | 247.36  | 184.31 | 2937.3  |

|    |         |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00001  | -.05291 | .00000  | -.00006 | .00034  | -.00177 | -.00002 | .00111  |
| #2 | .00014  | -.04194 | -.00019 | -.00024 | .00037  | -.00078 | .00002  | .05764  |
| #3 | -.00005 | .00124  | .00051  | -.00029 | -.00054 | .00091  | .00006  | -.06502 |

|        |         |        |         |        |         |        |        |        |
|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00033 | .00029 | -.01171 | .00019 | -.00034 | .09611 | .00033 | .01192 |
| Stddev | .00039  | .00072 | .00088  | .00067 | .00008  | .00856 | .00035 | .01096 |
| %RSD   | 118.78  | 250.58 | 7.5101  | 357.11 | 22.870  | 8.9098 | 104.39 | 91.982 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | .00002  | -.00012 | -.01127 | -.00019 | -.00033 | .09095 | .00008 | .00462 |
| #2 | -.00076 | -.00014 | -.01113 | .00097  | -.00026 | .09138 | .00073 | .02453 |
| #3 | -.00026 | .00112  | -.01272 | -.00021 | -.00042 | .10599 | .00019 | .00662 |

|        |          |        |         |        |         |        |        |        |
|--------|----------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | F .02374 | .00367 | -.00023 | .00048 | -.00116 | -.0036 | .00007 | 3.6346 |
| Stddev | .00575   | .00156 | .00059  | .00026 | .00151  | .0007  | .00025 | .2514  |
| %RSD   | 24.238   | 42.383 | 259.05  | 54.079 | 130.63  | 18.51  | 338.06 | 6.9156 |

|    |        |        |         |        |         |        |         |        |
|----|--------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .02093 | .00310 | -.00051 | .00038 | -.00122 | -.0043 | -.00021 | 3.9246 |
| #2 | .01993 | .00544 | .00045  | .00029 | .00038  | -.0030 | .00027  | 3.4778 |
| #3 | .03036 | .00249 | -.00062 | .00078 | -.00264 | -.0035 | .00016  | 3.5015 |

Sample Name: CCB04      Acquired: 3/1/2019 15:23:52      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14610      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 7.1209 |
| Stddev | 5.7621 |
| %RSD   | 80.917 |

|    |        |
|----|--------|
| #1 | 13.122 |
| #2 | 1.6317 |
| #3 | 6.6094 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3650.4 | 41550. | 3796.9 | 18.261 | 4130.0 |
| Stddev    | 12.1   | 238.   | 23.5   | 1.004  | 16.9   |
| %RSD      | .33138 | .57275 | .61905 | 5.4990 | .40811 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3636.7 | 41279. | 3822.5 | 18.367 | 4110.7 |
| #2 | 3659.7 | 41727. | 3792.0 | 17.208 | 4142.1 |
| #3 | 3654.8 | 41643. | 3776.3 | 19.208 | 4137.0 |

Sample Name: K1349-13      Acquired: 3/1/2019 15:28:20      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03326 | -.06009 | .25593 | -.08910 | -.01593 | 142.76 | .65533 |
| Stddev | .00365 | .00138  | .00272 | .00269  | .00169  | 1.01   | .00130 |
| %RSD   | 10.979 | 2.2996  | 1.0645 | 3.0231  | 10.607  | .70899 | .19837 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03736 | -.06095 | .25785 | -.08631 | -.01450 | 142.07 | .65682 |
| #2 | .03204 | -.06083 | .25281 | -.09169 | -.01779 | 142.29 | .65442 |
| #3 | .03037 | -.05850 | .25714 | -.08930 | -.01549 | 143.92 | .65476 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00944 | .00048 | 98.683 | .22138 | .12304 | .36397 | 197.08 |
| Stddev | .00010 | .00010 | .269   | .00193 | .00022 | .00156 | .27    |
| %RSD   | 1.0380 | 21.938 | .27235 | .87299 | .17972 | .42999 | .13825 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00933 | .00043 | 98.951 | .22008 | .12328 | .36567 | 197.22 |
| #2 | .00949 | .00060 | 98.687 | .22045 | .12299 | .36258 | 197.25 |
| #3 | .00950 | .00040 | 98.413 | .22360 | .12285 | .36365 | 196.77 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.5853 | 53.074 | .21614 | -.01052 | 9.9875 | .39502 | .70831 |
| Stddev | .0093  | .322   | .00195 | .00036  | .0585  | .00115 | .00163 |
| %RSD   | .20229 | .60581 | .90440 | 3.4636  | .58537 | .29023 | .23060 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.5797 | 53.040 | .21754 | -.01086 | 10.045 | .39448 | .70894 |
| #2 | 4.5802 | 53.412 | .21698 | -.01013 | 9.9884 | .39423 | .70954 |
| #3 | 4.5960 | 52.772 | .21391 | -.01057 | 9.9286 | .39633 | .70646 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.566 | .00377 | -.00968 | 7.4869 | 1.8117 | .01931 | 3.4932 |
| Stddev | .081   | .00009 | .01007  | .0397  | .0368  | .00080 | .0173  |
| %RSD   | .64583 | 2.4133 | 104.07  | .53007 | 2.0314 | 4.1525 | .49528 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 12.659 | .00379 | -.00115 | 7.4599 | 1.8536 | .01936 | 3.5101 |
| #2 | 12.529 | .00386 | -.00710 | 7.5324 | 1.7970 | .01848 | 3.4938 |
| #3 | 12.510 | .00368 | -.02079 | 7.4682 | 1.7845 | .02008 | 3.4756 |

Sample Name: K1349-13      Acquired: 3/1/2019 15:28:20      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .17188 | 8.719  | .00696 | .43941 | F<.00000 |
| Stddev | .00321 | .012   | .00068 | .08693 | 16.887   |
| %RSD   | 1.8692 | .1399  | 9.8261 | 19.784 | .39421   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .17355 | 8.731 | .00740 | .34060 | -4269.9 |
| #2 | .17391 | 8.706 | .00617 | .47347 | -4302.6 |
| #3 | .16817 | 8.719 | .00731 | .50415 | -4278.9 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4089.2 | 46184. | 4489.3 | 15.613 | 3568.0 |
| Stddev    | 5.2    | 297.   | 15.9   | .269   | 3.7    |
| %RSD      | .12656 | .64368 | .35474 | 1.7219 | .10392 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4093.6 | 46444. | 4474.2 | 15.434 | 3569.8 |
| #2 | 4090.6 | 46248. | 4487.8 | 15.483 | 3563.7 |
| #3 | 4083.5 | 45860. | 4506.0 | 15.922 | 3570.5 |

Sample Name: K1349-15      Acquired: 3/1/2019 15:32:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03756 | -.08120 | .48172 | -.10054 | -.01413 | 149.84 | .76219 |
| Stddev | .00083 | .00043  | .00386 | .00339  | .00367  | .91    | .00923 |
| %RSD   | 2.2045 | .53458  | .80032 | 3.3703  | 25.936  | .60517 | 1.2112 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03827 | -.08170 | .48265 | -.10082 | -.01453 | 149.45 | .77280 |
| #2 | .03665 | -.08089 | .48503 | -.09702 | -.01029 | 150.88 | .75602 |
| #3 | .03775 | -.08101 | .47749 | -.10378 | -.01758 | 149.20 | .75775 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00994 | .00238 | 142.30 | .19301 | .14590 | .50618 | 206.40 |
| Stddev | .00026 | .00038 | .75    | .00123 | .00063 | .00096 | 1.72   |
| %RSD   | 2.6324 | 16.038 | .52367 | .63984 | .43008 | .19062 | .83539 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01018 | .00214 | 142.52 | .19167 | .14620 | .50663 | 207.80 |
| #2 | .00998 | .00282 | 141.47 | .19409 | .14631 | .50507 | 204.47 |
| #3 | .00966 | .00218 | 142.91 | .19327 | .14517 | .50683 | 206.93 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8663 | 75.580 | .26779 | .22853 | 10.805 | .46571 | 1.1431 |
| Stddev | .0049  | .669   | .00112 | .00090 | .065   | .00131 | .0090  |
| %RSD   | .12777 | .88491 | .41802 | .39282 | .59962 | .28134 | .79060 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8708 | 76.348 | .26907 | .22894 | 10.853 | .46431 | 1.1475 |
| #2 | 3.8672 | 75.258 | .26700 | .22750 | 10.830 | .46691 | 1.1491 |
| #3 | 3.8610 | 75.132 | .26729 | .22915 | 10.731 | .46591 | 1.1327 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.820 | .00598 | -.02330 | F 13.083 | 1.6610 | .03894 | 4.3832 |
| Stddev | .092   | .00039 | .01183  | .091     | .0107  | .00050 | .0250  |
| %RSD   | .58235 | 6.4689 | 50.751  | .69248   | .64357 | 1.2900 | .57109 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.909 | .00619 | -.03627 | 13.164 | 1.6688 | .03923 | 4.3853 |
| #2 | 15.826 | .00554 | -.02053 | 13.100 | 1.6488 | .03836 | 4.3572 |
| #3 | 15.725 | .00622 | -.01311 | 12.986 | 1.6655 | .03922 | 4.4071 |



Sample Name: K1349-15      Acquired: 3/1/2019 15:32:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .20685 | 8.504  | .12409 | .61662 | F<.00000 |
| Stddev | .00261 | .051   | .00220 | .08709 | 10.686   |
| %RSD   | 1.2631 | .6048  | 1.7729 | 14.123 | .22774   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .20983 | 8.550 | .12393 | .53257 | -4696.4 |
| #2 | .20577 | 8.514 | .12637 | .61083 | -4679.9 |
| #3 | .20495 | 8.448 | .12197 | .70645 | -4700.0 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4070.8 | 45840. | 4507.6 | 16.211 | 3452.0 |
| Stddev    | 5.3    | 14.    | 30.2   | 1.187  | 26.2   |
| %RSD      | .13034 | .03087 | .67035 | 7.3229 | .75997 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4072.1 | 45854. | 4482.0 | 17.270 | 3437.2 |
| #2 | 4065.0 | 45826. | 4540.9 | 14.927 | 3436.4 |
| #3 | 4075.3 | 45841. | 4499.7 | 16.435 | 3482.2 |

Sample Name: K1349-15DUP      Acquired: 3/1/2019 15:37:14      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03530 | -.07731 | .43487 | -.09955 | -.01488 | 146.71 | .73519 |
| Stddev | .00453 | .00111  | .01042 | .00467  | .00259  | .44    | .00366 |
| %RSD   | 12.827 | 1.4324  | 2.3953 | 4.6917  | 17.433  | .30290 | .49751 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03568 | -.07608 | .42549 | -.09439 | -.01239 | 146.26 | .73134 |
| #2 | .03059 | -.07763 | .43303 | -.10349 | -.01470 | 146.73 | .73862 |
| #3 | .03962 | -.07822 | .44608 | -.10077 | -.01756 | 147.15 | .73562 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00943 | .00216 | 125.85 | .19139 | .14325 | .51117 | 200.40 |
| Stddev | .00025 | .00042 | .93    | .00198 | .00136 | .00062 | 1.34   |
| %RSD   | 2.6601 | 19.482 | .74007 | 1.0325 | .94737 | .12147 | .66845 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00918 | .00188 | 126.92 | .18991 | .14195 | .51139 | 201.92 |
| #2 | .00968 | .00196 | 125.44 | .19363 | .14316 | .51047 | 199.86 |
| #3 | .00943 | .00265 | 125.20 | .19062 | .14466 | .51165 | 199.41 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.8295 | 64.506 | .25075 | .35414 | 10.744 | .47229 | 1.1385 |
| Stddev | .0053  | .469   | .00240 | .00390 | .051   | .00332 | .0073  |
| %RSD   | .13717 | .72696 | .95892 | 1.1021 | .47083 | .70283 | .64521 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8290 | 65.004 | .24891 | .35392 | 10.802 | .46889 | 1.1301 |
| #2 | 3.8350 | 64.439 | .24988 | .35815 | 10.718 | .47552 | 1.1413 |
| #3 | 3.8245 | 64.074 | .25347 | .35035 | 10.712 | .47247 | 1.1440 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.366 | .00653 | -.01739 | F 13.999 | 1.7392 | .03546 | 4.4538 |
| Stddev | .092   | .00049 | .00934  | .015     | .0811  | .00138 | .0156  |
| %RSD   | .60147 | 7.4578 | 53.707  | .10681   | 4.6651 | 3.8985 | .34923 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 15.471 | .00685 | -.01238 | 13.987 | 1.8107 | .03395 | 4.4360 |
| #2 | 15.326 | .00597 | -.01162 | 14.015 | 1.7558 | .03667 | 4.4644 |
| #3 | 15.300 | .00678 | -.02816 | 13.993 | 1.6510 | .03577 | 4.4611 |

Sample Name: K1349-15DUP      Acquired: 3/1/2019 15:37:14      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .18664 | 8.465  | .09460 | .18729 | F<.00000 |
| Stddev | .00124 | .056   | .00145 | .20005 | 8.1665   |
| %RSD   | .66187 | .6558  | 1.5298 | 106.81 | .17582   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .18606 | 8.401 | .09621 | .38512  | -4644.3 |
| #2 | .18806 | 8.492 | .09419 | -.01491 | -4653.3 |
| #3 | .18581 | 8.501 | .09340 | .19168  | -4637.0 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4114.8 | 46371. | 4613.7 | 16.320 | 3526.0 |
| Stddev    | 3.0    | 55.    | 41.8   | .758   | 14.0   |
| %RSD      | .07403 | .11858 | .90547 | 4.6438 | .39724 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4113.7 | 46332. | 4567.7 | 15.751 | 3542.0 |
| #2 | 4118.3 | 46346. | 4624.0 | 16.028 | 3520.2 |
| #3 | 4112.5 | 46434. | 4649.3 | 17.180 | 3515.9 |

Sample Name: K1349-15LX5      Acquired: 3/1/2019 15:41:39      Type: Unk  
Method: P4-ICP2(v2905)      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    | .01024 | -.01381 | .08468 | -.01816 | -.00822 | 31.937 | .16117 |
| Stddev | .00279 | .00013  | .00041 | .00372  | .00071  | .112   | .00443 |
| %RSD   | 27.291 | .96614  | .48665 | 20.473  | 8.6670  | .35152 | 2.7513 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01346 | -.01397 | .08421 | -.02040 | -.00741 | 31.892 | .16224 |
| #2 | .00881 | -.01371 | .08482 | -.01387 | -.00872 | 31.854 | .15630 |
| #3 | .00845 | -.01376 | .08500 | -.02021 | -.00855 | 32.065 | .16498 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00178 | -.00201 | 30.784 | .04302 | .02798 | .11891 | 56.181 |
| Stddev | .00016 | .00004  | .058   | .00052 | .00010 | .00060 | .292   |
| %RSD   | 8.7614 | 1.9181  | .18973 | 1.2014 | .36931 | .50586 | .52035 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00195 | -.00199 | 30.767 | .04345 | .02799 | .11822 | 56.476 |
| #2 | .00174 | -.00198 | 30.850 | .04245 | .02808 | .11921 | 56.175 |
| #3 | .00164 | -.00205 | 30.737 | .04315 | .02788 | .11931 | 55.892 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89333 | 16.174 | .04957 | .06882 | 2.4529 | .10595 | .21195 |
| Stddev | .00085 | .192   | .00024 | .00047 | .0137  | .00092 | .00057 |
| %RSD   | .09559 | 1.1866 | .47606 | .67679 | .55789 | .86666 | .26788 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89234 | 15.967 | .04967 | .06935 | 2.4376 | .10690 | .21137 |
| #2 | .89387 | 16.210 | .04930 | .06857 | 2.4569 | .10587 | .21250 |
| #3 | .89376 | 16.345 | .04974 | .06852 | 2.4641 | .10507 | .21199 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5786 | .00156 | .01690 | 2.5869 | .39406 | .00792 | 1.0113 |
| Stddev | .0146  | .00034 | .01103 | .0254  | .00699 | .00100 | .0045  |
| %RSD   | .40857 | 21.851 | 65.256 | .98030 | 1.7741 | 12.570 | .44042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.5690 | .00120 | .02470 | 2.5908 | .39472 | .00811 | 1.0100 |
| #2 | 3.5714 | .00159 | .02173 | 2.5598 | .40069 | .00685 | 1.0077 |
| #3 | 3.5954 | .00188 | .00428 | 2.6100 | .38676 | .00881 | 1.0163 |

Sample Name: K1349-15LX5      Acquired: 3/1/2019 15:41:39      Type: Unk  
Method: P4-ICP2(v2905)      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       | .04385 | 1.615  | .01379 | 3.3946 | F<.00000 |
| Stddev    | .00340 | .001   | .00038 | .0278  | 2.0743   |
| %RSD      | 7.7482 | .0685  | 2.7817 | .81784 | .23567   |
| #1        | .04390 | 1.615  | .01344 | 3.3639 | -882.48  |
| #2        | .04043 | 1.616  | .01374 | 3.4180 | -878.48  |
| #3        | .04723 | 1.614  | .01420 | 3.4018 | -879.53  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3730.7 | 42248. | 3960.2 | 17.506 | 3860.4   |
| Stddev    | 4.8    | 110.   | 28.3   | 1.071  | 1.4      |
| %RSD      | .12861 | .26119 | .71439 | 6.1210 | .03540   |
| #1        | 3725.7 | 42123. | 3938.7 | 18.283 | 3861.1   |
| #2        | 3735.3 | 42289. | 3949.8 | 17.950 | 3858.8   |
| #3        | 3731.1 | 42331. | 3992.3 | 16.283 | 3861.2   |

Sample Name: K1349-15MS      Acquired: 3/1/2019 15:45:58      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .77332 | 2.0024 | 1.4925 | 1.7016 | .11728 | 161.67 | .96707 |
| Stddev | .00066 | .0064  | .0051  | .0064  | .00270 | .90    | .00972 |
| %RSD   | .08587 | .31924 | .34178 | .37830 | 2.3039 | .55443 | 1.0053 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77279 | 2.0086 | 1.4978 | 1.7083 | .11985 | 160.67 | .97263 |
| #2 | .77407 | 2.0027 | 1.4877 | 1.6955 | .11751 | 161.91 | .95584 |
| #3 | .77311 | 1.9959 | 1.4919 | 1.7011 | .11447 | 162.42 | .97273 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20089 | .21124 | 103.17 | .57591 | .36247 | .86268 | 212.22 |
| Stddev | .00036 | .00023 | .37    | .00305 | .00047 | .00184 | 1.43   |
| %RSD   | .18126 | .11045 | .35465 | .53024 | .12882 | .21375 | .67286 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20074 | .21150 | 102.94 | .57275 | .36291 | .86434 | 212.64 |
| #2 | .20131 | .21104 | 102.97 | .57884 | .36253 | .86069 | 210.63 |
| #3 | .20063 | .21120 | 103.59 | .57616 | .36198 | .86300 | 213.40 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.2444 | 68.559 | .77276 | .23220 | 15.301 | .78427 | 1.2389 |
| Stddev | .0085  | .050   | .00146 | .00072 | .025   | .00276 | .0028  |
| %RSD   | .20049 | .07322 | .18878 | .31191 | .16088 | .35173 | .22711 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2387 | 68.616 | .77430 | .23137 | 15.325 | .78380 | 1.2403 |
| #2 | 4.2542 | 68.523 | .77259 | .23265 | 15.276 | .78724 | 1.2407 |
| #3 | 4.2403 | 68.538 | .77140 | .23259 | 15.303 | .78178 | 1.2357 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 25.803 | .34652 | .19284 | F 12.013 | 1.9464 | .72501 | 5.3658 |
| Stddev | .110   | .00098 | .01262 | .050     | .0131  | .00100 | .0122  |
| %RSD   | .42470 | .28386 | 6.5453 | .41939   | .67038 | .13743 | .22794 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.833 | .34707 | .19477 | 11.956 | 1.9442 | .72468 | 5.3793 |
| #2 | 25.682 | .34711 | .17937 | 12.035 | 1.9604 | .72423 | 5.3556 |
| #3 | 25.895 | .34539 | .20439 | 12.050 | 1.9346 | .72613 | 5.3625 |

Sample Name: K1349-15MS      Acquired: 3/1/2019 15:45:58      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .38715 | F 14.45 | .27242 | .48050 | F<.00000 |
| Stddev | .00437 | .04     | .00066 | .20384 | 30.373   |
| %RSD   | 1.1293 | .2563   | .24073 | 42.423 | .62105   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .39217 | 14.49 | .27303 | .24771 | -4857.8 |
| #2 | .38417 | 14.42 | .27251 | .56675 | -4917.7 |
| #3 | .38511 | 14.43 | .27173 | .62703 | -4896.4 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4099.1 | 46477. | 4517.4 | 15.460 | 3515.1 |
| Stddev    | 1.9    | 104.   | 16.9   | 1.855  | 3.0    |
| %RSD      | .04568 | .22355 | .37336 | 11.998 | .08670 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4097.2 | 46579. | 4499.6 | 13.986 | 3513.9 |
| #2 | 4099.1 | 46481. | 4533.1 | 14.852 | 3512.8 |
| #3 | 4100.9 | 46372. | 4519.6 | 17.543 | 3518.5 |

Sample Name: K1349-15MSD      Acquired: 3/1/2019 15:50:17      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75811 | 1.9664 | 1.4616 | 1.6864 | .11650 | 157.68 | .94982 |
| Stddev | .00262 | .0080  | .0096  | .0062  | .00244 | 1.01   | .00760 |
| %RSD   | .34542 | .40603 | .65460 | .36900 | 2.0984 | .63755 | .79965 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75526 | 1.9587 | 1.4555 | 1.6854 | .11720 | 156.74 | .95367 |
| #2 | .75863 | 1.9658 | 1.4568 | 1.6808 | .11378 | 158.74 | .95471 |
| #3 | .76042 | 1.9746 | 1.4727 | 1.6931 | .11852 | 157.56 | .94107 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .19757 | .20785 | 101.04 | .56705 | .35756 | .87560 | 209.15 |
| Stddev | .00031 | .00143 | .17    | .00210 | .00121 | .00320 | .97    |
| %RSD   | .15443 | .68558 | .16970 | .37093 | .33850 | .36559 | .46499 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .19725 | .20626 | 100.89 | .56727 | .35692 | .87265 | 210.27 |
| #2 | .19761 | .20827 | 101.22 | .56903 | .35681 | .87514 | 208.48 |
| #3 | .19786 | .20902 | 100.99 | .56484 | .35896 | .87901 | 208.70 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.1115 | 67.037 | .76068 | .23124 | 14.887 | .76464 | 1.2209 |
| Stddev | .0026  | .176   | .00242 | .00015 | .103   | .00211 | .0015  |
| %RSD   | .06312 | .26209 | .31795 | .06469 | .69090 | .27613 | .11968 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.1085 | 67.240 | .75876 | .23121 | 14.861 | .76256 | 1.2199 |
| #2 | 4.1133 | 66.951 | .75988 | .23110 | 15.000 | .76678 | 1.2225 |
| #3 | 4.1126 | 66.922 | .76340 | .23140 | 14.799 | .76457 | 1.2201 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 25.305 | .34195 | .21569 | F 12.269 | 1.8390 | .70890 | 5.2381 |
| Stddev | .154   | .00096 | .00996 | .054     | .0244  | .00121 | .0174  |
| %RSD   | .60789 | .28086 | 4.6186 | .43860   | 1.3272 | .17033 | .33261 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.358 | .34106 | .21002 | 12.225 | 1.8671 | .70790 | 5.2555 |
| #2 | 25.424 | .34182 | .22720 | 12.252 | 1.8232 | .71024 | 5.2381 |
| #3 | 25.131 | .34297 | .20986 | 12.329 | 1.8267 | .70857 | 5.2207 |



Sample Name: K1349-15MSD      Acquired: 3/1/2019 15:50:17      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .37227 | F 14.26 | .25970 | .34364 | F<.00000 |
| Stddev | .00272 | .02     | .00232 | .23577 | 14.224   |
| %RSD   | .73157 | .1631   | .89458 | 68.610 | .28959   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .37241 | 14.23 | .25841 | .25521 | -4927.7 |
| #2 | .37492 | 14.27 | .26238 | .61085 | -4907.0 |
| #3 | .36948 | 14.27 | .25830 | .16487 | -4900.4 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4126.9 | 46902. | 4569.7 | 16.638 | 3563.4 |
| Stddev    | 2.8    | 149.   | 26.4   | .660   | 5.5    |
| %RSD      | .06721 | .31744 | .57680 | 3.9655 | .15570 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4126.7 | 46897. | 4541.8 | 16.279 | 3562.4 |
| #2 | 4124.2 | 46756. | 4573.1 | 17.400 | 3558.5 |
| #3 | 4129.7 | 47054. | 4594.1 | 16.236 | 3569.4 |

Sample Name: K1349-15A      Acquired: 3/1/2019 15:54:35      Type: Unk  
Method: P4-ICP2(v2905)      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    | .77050 | 2.0240 | 1.5086 | 1.7176 | .11729 | 162.66 | .96616 |
| Stddev | .00237 | .0114  | .0105  | .0103  | .00124 | 1.08   | .01062 |
| %RSD   | .30818 | .56384 | .69347 | .60175 | 1.0610 | .66469 | 1.0988 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .76822 | 2.0327 | 1.5136 | 1.7110 | .11598 | 161.63 | .96749 |
| #2 | .77296 | 2.0111 | 1.4966 | 1.7122 | .11745 | 162.57 | .97605 |
| #3 | .77031 | 2.0283 | 1.5156 | 1.7295 | .11845 | 163.79 | .95495 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20192 | .21309 | 103.73 | .58014 | .36496 | .87227 | 213.29 |
| Stddev | .00055 | .00141 | .50    | .00301 | .00236 | .00273 | 1.93   |
| %RSD   | .27315 | .66320 | .48600 | .51910 | .64749 | .31326 | .90672 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20138 | .21384 | 103.68 | .57670 | .36583 | .87035 | 213.86 |
| #2 | .20190 | .21146 | 104.26 | .58228 | .36229 | .87107 | 214.88 |
| #3 | .20248 | .21397 | 103.26 | .58144 | .36677 | .87540 | 211.14 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.2665 | 67.943 | .77778 | .23476 | 15.270 | .78833 | 1.2464 |
| Stddev | .0065  | .125   | .00505 | .00043 | .015   | .00209 | .0071  |
| %RSD   | .15165 | .18413 | .64973 | .18514 | .09966 | .26503 | .57179 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2617 | 67.849 | .77884 | .23426 | 15.282 | .78870 | 1.2526 |
| #2 | 4.2739 | 68.085 | .77228 | .23508 | 15.275 | .79021 | 1.2386 |
| #3 | 4.2641 | 67.894 | .78222 | .23493 | 15.253 | .78608 | 1.2481 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 25.739 | .34844 | .19486 | F 12.151 | 2.0038 | .72811 | 5.3942 |
| Stddev | .089   | .00118 | .00816 | .072     | .0197  | .00537 | .0184  |
| %RSD   | .34410 | .33797 | 4.1892 | .59185   | .98096 | .73805 | .34068 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 25.782 | .34710 | .18553 | 12.209 | 2.0257 | .72980 | 5.3731 |
| #2 | 25.797 | .34932 | .20067 | 12.071 | 1.9981 | .72209 | 5.4030 |
| #3 | 25.637 | .34891 | .19838 | 12.175 | 1.9876 | .73243 | 5.4066 |

Sample Name: K1349-15A      Acquired: 3/1/2019 15:54:35      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .38371 | F 14.62 | .27331 | .87699 | F<.00000 |
| Stddev | .00152 | .09     | .00091 | .06553 | 9.0091   |
| %RSD   | .39694 | .6014   | .33206 | 7.4725 | .18280   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .38512 | 14.67 | .27266 | .86910 | -4924.6 |
| #2 | .38209 | 14.52 | .27294 | .81577 | -4922.0 |
| #3 | .38391 | 14.68 | .27435 | .94612 | -4938.7 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4070.7 | 45963. | 4496.4 | 16.751 | 3489.5 |
| Stddev    | 6.5    | 68.    | 35.4   | 1.035  | 17.9   |
| %RSD      | .16040 | .14801 | .78631 | 6.1772 | .51392 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4069.4 | 46039. | 4479.4 | 16.970 | 3474.3 |
| #2 | 4064.9 | 45908. | 4472.8 | 17.658 | 3509.2 |
| #3 | 4077.8 | 45942. | 4537.1 | 15.624 | 3484.9 |

Sample Name: PB117524BL      Acquired: 3/1/2019 15:58:54      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00151   | .00058  | -.00019 | .00093  | -.00310 | -.00620 | -.01182 | .00004   |
| Stddev | .00516   | .00123  | .00105  | .00486  | .00057  | .02615  | .00687  | .00009   |
| %RSD   | 340.69   | 214.12  | 559.85  | 521.25  | 18.413  | 421.90  | 58.122  | 222.87   |
| #1     | .00734   | -.00043 | .00101  | -.00228 | -.00252 | .02398  | -.01953 | .00010   |
| #2     | -.00032  | .00021  | -.00064 | .00653  | -.00313 | -.02032 | -.00955 | .00009   |
| #3     | -.00247  | .00195  | -.00093 | -.00145 | -.00366 | -.02226 | -.00637 | -.00006  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004   | .00381  | .00023  | .00013  | .00016  | .00211  | .00002  | .04504   |
| Stddev | .00014   | .00965  | .00016  | .00014  | .00017  | .00251  | .00009  | .08557   |
| %RSD   | 327.41   | 253.55  | 71.666  | 105.76  | 108.10  | 118.92  | 545.36  | 190.00   |
| #1     | .00006   | .01428  | .00022  | .00013  | .00013  | .00426  | .00008  | .14324   |
| #2     | .00018   | -.00474 | .00040  | -.00001 | -.00000 | .00270  | -.00009 | .00539   |
| #3     | -.00011  | .00188  | .00007  | .00027  | .00034  | -.00064 | .00006  | -.01352  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00017  | .00031  | -.02253 | .00019  | -.00034 | .08294  | .00030  | .00171   |
| Stddev | .00004   | .00035  | .01367  | .00038  | .00007  | .01667  | .00008  | .00571   |
| %RSD   | 25.189   | 114.67  | 60.678  | 194.73  | 20.708  | 20.096  | 27.353  | 333.73   |
| #1     | -.00020  | .00037  | -.02687 | -.00023 | -.00042 | .07375  | .00036  | .00823   |
| #2     | -.00012  | -.00007 | -.03350 | .00034  | -.00032 | .10218  | .00031  | -.00067  |
| #3     | -.00020  | .00062  | -.00721 | .00048  | -.00029 | .07288  | .00021  | -.00242  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .02944 | .00520  | -.00023 | .00208  | -.00269 | -.0030  | -.00002 | F 3.7951 |
| Stddev | .00793   | .00174  | .00011  | .00031  | .00286  | .0008   | .00007  | .1101    |
| %RSD   | 26.931   | 33.524  | 46.758  | 15.110  | 106.32  | 28.14   | 294.89  | 2.9000   |
| #1     | .03754   | .00469  | -.00020 | .00228  | -.00569 | -.0039  | -.00010 | 3.6953   |
| #2     | .02907   | .00714  | -.00034 | .00225  | -.00236 | -.0028  | .00005  | 3.9131   |
| #3     | .02170   | .00377  | -.00014 | .00172  | -.00001 | -.0023  | -.00002 | 3.7768   |

Sample Name: PB117524BL      Acquired: 3/1/2019 15:58:54      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.2423 |
| Stddev | 3.0666   |
| %RSD   | 72.286   |

|    |        |
|----|--------|
| #1 | 7.7815 |
| #2 | 2.5689 |
| #3 | 2.3764 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3614.0 | 41154. | 3805.7 | 16.067 | 4086.8 |
| Stddev    | 8.9    | 180.   | 27.5   | .217   | 7.1    |
| %RSD      | .24714 | .43848 | .72254 | 1.3485 | .17463 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3607.2 | 41156. | 3789.9 | 16.317 | 4079.0 |
| #2 | 3610.8 | 40972. | 3837.4 | 15.950 | 4088.7 |
| #3 | 3624.1 | 41333. | 3789.8 | 15.933 | 4092.9 |

Sample Name: PB117524BS      Acquired: 3/1/2019 16:03:22      Type: Unk  
Method: P4-ICP2(v2905)      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    | .83191 | 2.0509 | 1.0028 | 2.0881 | .86503 | 2.1030 | .19217 |
| Stddev | .00249 | .0079  | .0040  | .0123  | .00312 | .0181  | .00219 |
| %RSD   | .29924 | .38584 | .40275 | .59110 | .36056 | .85905 | 1.1392 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82908 | 2.0502 | 1.0046 | 2.0792 | .86302 | 2.0911 | .19392 |
| #2 | .83288 | 2.0433 | .99821 | 2.1022 | .86344 | 2.1238 | .18971 |
| #3 | .83377 | 2.0591 | 1.0057 | 2.0828 | .86862 | 2.0940 | .19288 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20041 | .19296 | 1.0316 | .43401 | .20550 | .32916 | 3.1796 |
| Stddev | .00035 | .00049 | .0104  | .00035 | .00092 | .00055 | .0174  |
| %RSD   | .17398 | .25564 | 1.0051 | .07957 | .44855 | .16845 | .54750 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20062 | .19265 | 1.0409 | .43411 | .20507 | .32878 | 3.1818 |
| #2 | .20001 | .19270 | 1.0204 | .43363 | .20487 | .32980 | 3.1612 |
| #3 | .20060 | .19352 | 1.0334 | .43430 | .20656 | .32891 | 3.1958 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21895 | 2.0565 | .49692 | .07629 | 2.9657 | .30898 | .19891 |
| Stddev | .00051 | .0113  | .00207 | .00053 | .0156  | .00037 | .00075 |
| %RSD   | .23069 | .54750 | .41638 | .69765 | .52683 | .11955 | .37717 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21924 | 2.0550 | .49572 | .07581 | 2.9797 | .30937 | .19873 |
| #2 | .21924 | 2.0684 | .49573 | .07686 | 2.9489 | .30896 | .19827 |
| #3 | .21837 | 2.0460 | .49931 | .07619 | 2.9686 | .30863 | .19973 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 9.9183 | .44036 | .30515 | F 1.2173 | .92964 | .67548 | .20823 |
| Stddev | .0389  | .00114 | .00332 | .0780    | .00456 | .00307 | .00338 |
| %RSD   | .39253 | .25821 | 1.0895 | 6.4121   | .49103 | .45503 | 1.6226 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 9.8735 | .43934 | .30340 | 1.1368 | .92644 | .67455 | .21116 |
| #2 | 9.9386 | .44016 | .30898 | 1.2223 | .92761 | .67299 | .20453 |
| #3 | 9.9430 | .44159 | .30306 | 1.2927 | .93486 | .67892 | .20900 |

Sample Name: PB117524BS      Acquired: 3/1/2019 16:03:22      Type: Unk  
Method: P4-ICP2(v2905)      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       | .21868 | F 5.565 | .20674 | F 3.7235 | F<.00000 |
| Stddev    | .00321 | .017    | .00065 | .1325    | 6.7792   |
| %RSD      | 1.4665 | .3084   | .31236 | 3.5581   | 6.5920   |
| #1        | .21853 | 5.551   | .20655 | 3.8714   | -97.368  |
| #2        | .21555 | 5.561   | .20621 | 3.6833   | -100.73  |
| #3        | .22196 | 5.584   | .20746 | 3.6158   | -110.42  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3621.9 | 41941.  | 3889.8 | 17.489   | 4088.6   |
| Stddev    | 15.1   | 261.    | 31.7   | 1.673    | 14.2     |
| %RSD      | .41813 | .62170  | .81461 | 9.5649   | .34706   |
| #1        | 3609.4 | 41654.  | 3860.2 | 19.258   | 4072.9   |
| #2        | 3617.6 | 42003.  | 3923.2 | 15.933   | 4092.3   |
| #3        | 3638.7 | 42165.  | 3885.9 | 17.275   | 4100.5   |

Sample Name: PB117504BL      Acquired: 3/1/2019 16:07:29      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00091 | -.00000 | .00017 | .00279 | -.00133 | .00342 | -.01721 |
| Stddev | .00366 | .00017  | .00053 | .00345 | .00239  | .00536 | .00958  |
| %RSD   | 403.73 | 6805.3  | 307.13 | 123.48 | 179.14  | 156.78 | 55.654  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00171  | -.00013 | -.00005 | -.00097 | .00120  | .00767  | -.01888 |
| #2 | -.00309 | -.00007 | -.00021 | .00580  | -.00354 | .00519  | -.02584 |
| #3 | .00409  | .00019  | .00077  | .00355  | -.00167 | -.00260 | -.00691 |

|        |        |         |         |        |         |        |         |
|--------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00003 | -.00005 | -.02535 | .00034 | -.00005 | .00022 | -.00190 |
| Stddev | .00008 | .00003  | .02251  | .00059 | .00023  | .00023 | .00101  |
| %RSD   | 249.14 | 54.519  | 88.773  | 171.62 | 457.38  | 105.80 | 53.416  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00011  | -.00007 | -.04398 | .00024  | -.00023 | .00047 | -.00293 |
| #2 | -.00005 | -.00002 | -.03173 | -.00019 | -.00013 | .00016 | -.00187 |
| #3 | .00005  | -.00007 | -.00034 | .00097  | .00021  | .00002 | -.00090 |

|        |         |        |        |         |         |        |         |
|--------|---------|--------|--------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00005 | .07456 | .00017 | -.00013 | -.02564 | .00024 | -.00038 |
| Stddev | .00005  | .01122 | .00012 | .00043  | .00648  | .00015 | .00005  |
| %RSD   | 104.67  | 15.051 | 70.086 | 336.82  | 25.287  | 60.611 | 14.232  |

|    |         |        |        |         |         |        |         |
|----|---------|--------|--------|---------|---------|--------|---------|
| #1 | -.00000 | .07651 | .00027 | -.00031 | -.03185 | .00014 | -.00042 |
| #2 | -.00003 | .08469 | .00004 | -.00043 | -.01891 | .00041 | -.00041 |
| #3 | -.00010 | .06250 | .00021 | .00036  | -.02617 | .00018 | -.00032 |

|        |        |         |        |          |        |        |        |
|--------|--------|---------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .05349 | -.00002 | .00501 | F .02753 | .00134 | .00022 | .00098 |
| Stddev | .02902 | .00015  | .00563 | .00471   | .00131 | .00033 | .00110 |
| %RSD   | 54.252 | 699.70  | 112.25 | 17.100   | 98.150 | 150.81 | 112.33 |

|    |        |         |        |        |         |         |         |
|----|--------|---------|--------|--------|---------|---------|---------|
| #1 | .05811 | .00007  | .01144 | .03295 | .00234  | -.00012 | .00207  |
| #2 | .02244 | .00006  | .00098 | .02448 | -.00015 | .00023  | .00100  |
| #3 | .07993 | -.00020 | .00262 | .02516 | .00183  | .00055  | -.00013 |



Sample Name: PB117504BL      Acquired: 3/1/2019 16:07:29      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00384 | -.0038 | -.00008 | F 3.6425 | F<.00000 |
| Stddev | .00298  | .0010  | .00002  | .0777    | 3.2712   |
| %RSD   | 77.436  | 26.50  | 27.920  | 2.1340   | 181.66   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.00644 | -.0028 | -.00008 | 3.5537 | .94337  |
| #2 | -.00450 | -.0039 | -.00010 | 3.6760 | -.92478 |
| #3 | -.00059 | -.0048 | -.00006 | 3.6980 | -5.4208 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3612.2 | 41442. | 3802.5 | 17.833 | 4083.3 |
| Stddev    | 6.1    | 32.    | 37.9   | 1.015  | 1.0    |
| %RSD      | .16995 | .07640 | .99678 | 5.6910 | .02491 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3617.6 | 41477. | 3838.3 | 18.733 | 4082.9 |
| #2 | 3613.4 | 41417. | 3806.5 | 16.733 | 4084.5 |
| #3 | 3605.5 | 41430. | 3762.8 | 18.033 | 4082.5 |

Sample Name: CCV05      Acquired: 3/1/2019 16:11:56      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14613      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1893 | 5.0316 | 5.0728 | 5.2044 | 5.2071 | 10.178 | 10.043 | .25492 |
| Stddev | .0067  | .0033  | .0042  | .0104  | .0094  | .060   | .021   | .00016 |
| %RSD   | .12830 | .06483 | .08305 | .20033 | .18114 | .59322 | .20840 | .06344 |
| #1     | 5.1912 | 5.0352 | 5.0741 | 5.2076 | 5.2141 | 10.110 | 10.045 | .25480 |
| #2     | 5.1948 | 5.0290 | 5.0680 | 5.2128 | 5.1964 | 10.227 | 10.022 | .25485 |
| #3     | 5.1819 | 5.0304 | 5.0761 | 5.1927 | 5.2110 | 10.195 | 10.064 | .25510 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4740 | 24.602 | 1.0161 | 2.5317 | 1.2705 | 4.9355 | 2.5481 | 24.104 |
| Stddev | .0024  | .168   | .0013  | .0045  | .0009  | .0225  | .0007  | .062   |
| %RSD   | .09529 | .68232 | .12321 | .17730 | .07158 | .45650 | .02730 | .25806 |
| #1     | 2.4765 | 24.448 | 1.0168 | 2.5364 | 1.2714 | 4.9596 | 2.5486 | 24.080 |
| #2     | 2.4719 | 24.781 | 1.0169 | 2.5275 | 1.2696 | 4.9318 | 2.5473 | 24.175 |
| #3     | 2.4735 | 24.577 | 1.0147 | 2.5310 | 1.2706 | 4.9150 | 2.5484 | 24.058 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4440 | 1.3083 | 25.886 | 2.5832 | 2.5339 | 25.921 | 5.1378 | 4.7181 |
| Stddev | .0037  | .0024  | .075   | .0043  | .0043  | .149   | .0069  | .0067  |
| %RSD   | .15351 | .18332 | .28920 | .16771 | .16902 | .57384 | .13413 | .14153 |
| #1     | 2.4479 | 1.3073 | 25.822 | 2.5819 | 2.5370 | 25.979 | 5.1328 | 4.7180 |
| #2     | 2.4404 | 1.3111 | 25.867 | 2.5796 | 2.5290 | 25.753 | 5.1350 | 4.7115 |
| #3     | 2.4437 | 1.3066 | 25.968 | 2.5880 | 2.5357 | 26.033 | 5.1457 | 4.7249 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0699 | 4.9426 | 4.9750 | 5.0170 | 4.9006 | 5.006  | 5.0393 | 4.6663 |
| Stddev | .0159  | .0145  | .0027  | .0243  | .0105  | .025   | .0096  | .0906  |
| %RSD   | .31447 | .29388 | .05377 | .48411 | .21396 | .5064  | .19007 | 1.9417 |
| #1     | 5.0559 | 4.9520 | 4.9773 | 4.9925 | 4.8893 | 5.022  | 5.0359 | 4.5618 |
| #2     | 5.0666 | 4.9499 | 4.9720 | 5.0410 | 4.9024 | 5.020  | 5.0320 | 4.7165 |
| #3     | 5.0872 | 4.9259 | 4.9755 | 5.0175 | 4.9101 | 4.977  | 5.0502 | 4.7208 |

Sample Name: CCV05      Acquired: 3/1/2019 16:11:56      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14613      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.4119 |
| Stddev | 2.6753   |
| %RSD   | 78.410   |

|    |        |
|----|--------|
| #1 | 2.3429 |
| #2 | 1.4364 |
| #3 | 6.4564 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3529.0 | 40138. | 3780.7 | 15.674 | 3698.8 |
| Stddev    | 3.5    | 54.    | 18.0   | .754   | 4.3    |
| %RSD      | .10015 | .13465 | .47714 | 4.8113 | .11519 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3529.6 | 40152. | 3759.9 | 15.282 | 3694.3 |
| #2 | 3525.2 | 40183. | 3791.6 | 15.197 | 3699.3 |
| #3 | 3532.2 | 40078. | 3790.6 | 16.543 | 3702.8 |

Sample Name: CCB05      Acquired: 3/1/2019 16:17:04      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14613      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |         |        |         |
|--------|--------|---------|--------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00401 | -.00111 | .00031 | .00051 | -.00022 | .01184 | -.00840 |
| Stddev | .00235 | .00135  | .00123 | .00222 | .00050  | .00204 | .00240  |
| %RSD   | 58.670 | 121.78  | 400.71 | 437.87 | 225.65  | 17.223 | 28.533  |

|    |        |         |         |         |         |        |         |
|----|--------|---------|---------|---------|---------|--------|---------|
| #1 | .00160 | -.00023 | -.00104 | -.00141 | -.00001 | .01167 | -.01026 |
| #2 | .00411 | -.00266 | .00059  | .00294  | .00014  | .00989 | -.00924 |
| #3 | .00630 | -.00044 | .00137  | -.00001 | -.00079 | .01396 | -.00569 |

|        |        |         |         |        |         |        |         |
|--------|--------|---------|---------|--------|---------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00004 | -.00005 | -.02306 | .00029 | -.00006 | .00026 | -.00102 |
| Stddev | .00002 | .00007  | .00324  | .00022 | .00012  | .00017 | .00039  |
| %RSD   | 47.292 | 136.86  | 14.073  | 76.566 | 180.15  | 63.542 | 38.126  |

|    |        |         |         |        |         |        |         |
|----|--------|---------|---------|--------|---------|--------|---------|
| #1 | .00004 | -.00009 | -.02620 | .00005 | -.00019 | .00015 | -.00057 |
| #2 | .00002 | -.00010 | -.01972 | .00049 | .00004  | .00046 | -.00123 |
| #3 | .00005 | .00003  | -.02326 | .00033 | -.00005 | .00019 | -.00127 |

|        |         |        |         |         |         |        |         |
|--------|---------|--------|---------|---------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     |
| Avg    | -.00003 | .02632 | -.00064 | -.00008 | -.01405 | .00047 | -.00027 |
| Stddev | .00007  | .04163 | .00049  | .00082  | .00787  | .00064 | .00003  |
| %RSD   | 236.38  | 158.13 | 76.771  | 1018.7  | 56.040  | 135.19 | 12.379  |

|    |         |         |         |         |         |        |         |
|----|---------|---------|---------|---------|---------|--------|---------|
| #1 | .00005  | -.02123 | -.00083 | .00037  | -.00810 | .00002 | -.00029 |
| #2 | -.00007 | .05617  | -.00008 | -.00103 | -.01106 | .00120 | -.00023 |
| #3 | -.00006 | .04403  | -.00102 | .00041  | -.02297 | .00019 | -.00029 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .05724 | .00005 | .00626 | F .03165 | .00235 | .00039 | .00254 |
| Stddev | .02427 | .00012 | .01458 | .01165   | .00358 | .00045 | .00098 |
| %RSD   | 42.401 | 253.45 | 232.92 | 36.806   | 152.41 | 115.73 | 38.493 |

|    |        |         |         |        |         |        |        |
|----|--------|---------|---------|--------|---------|--------|--------|
| #1 | .05120 | .00004  | -.00880 | .02369 | .00638  | .00015 | .00302 |
| #2 | .03656 | .00017  | .00727  | .02623 | -.00045 | .00011 | .00320 |
| #3 | .08397 | -.00007 | .02031  | .04501 | .00111  | .00090 | .00142 |

Sample Name: CCB05      Acquired: 3/1/2019 16:17:04      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14613      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |          |          |          |
|--------|----------|---------|----------|----------|----------|
| Elem   | Li6707   | P_1774  | Sr4077   | U_3670   | U_3859   |
| Units  | ppm      | ppm     | ppm      | ppm      | ppm      |
| Avg    | -0.00112 | -0.0009 | -0.00005 | F 4.0165 | F<.00000 |
| Stddev | .00313   | .0016   | .00007   | .0891    | 5.9112   |
| %RSD   | 278.56   | 180.8   | 158.54   | 2.2191   | 592.96   |

|    |          |         |          |        |         |
|----|----------|---------|----------|--------|---------|
| #1 | -0.00411 | -0.0021 | -0.00005 | 3.9271 | -4.5884 |
| #2 | -0.00139 | -0.0016 | .00003   | 4.0170 | 5.8256  |
| #3 | .00213   | .0010   | -0.00012 | 4.1054 | -4.2280 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3547.2 | 40738. | 3758.3 | 18.581 | 4026.5 |
| Stddev    | 6.8    | 108.   | 26.7   | .687   | 11.2   |
| %RSD      | .19147 | .26504 | .70927 | 3.6958 | .27859 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3540.4 | 40859. | 3755.8 | 17.800 | 4014.2 |
| #2 | 3547.2 | 40652. | 3786.2 | 18.850 | 4029.1 |
| #3 | 3553.9 | 40703. | 3733.0 | 19.092 | 4036.2 |

Sample Name: PB117504BS      Acquired: 3/1/2019 16:21:32      Type: Unk  
Method: P4-ICP2(v2905)      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    | .86496 | 2.1248 | 1.0435 | 2.1790 | .90499 | 2.2080 | .19456 |
| Stddev | .00353 | .0064  | .0045  | .0088  | .00395 | .0221  | .00196 |
| %RSD   | .40815 | .30019 | .43379 | .40338 | .43612 | 1.0019 | 1.0091 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .86692 | 2.1217 | 1.0446 | 2.1826 | .90595 | 2.1936 | .19347 |
| #2 | .86707 | 2.1321 | 1.0473 | 2.1855 | .90837 | 2.1969 | .19683 |
| #3 | .86089 | 2.1206 | 1.0385 | 2.1690 | .90065 | 2.2335 | .19339 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20818 | .20072 | 1.0581 | .44864 | .21464 | .33986 | 3.3112 |
| Stddev | .00070 | .00025 | .0227  | .00142 | .00036 | .00045 | .0302  |
| %RSD   | .33417 | .12667 | 2.1469 | .31587 | .16903 | .13293 | .91332 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20741 | .20090 | 1.0320 | .44721 | .21471 | .34037 | 3.2985 |
| #2 | .20836 | .20083 | 1.0726 | .44868 | .21497 | .33965 | 3.3457 |
| #3 | .20877 | .20043 | 1.0699 | .45004 | .21425 | .33954 | 3.2894 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22637 | 2.1546 | .51607 | .07886 | 3.0623 | .32003 | .20353 |
| Stddev | .00064 | .0348  | .00060 | .00033 | .0075  | .00055 | .00043 |
| %RSD   | .28173 | 1.6167 | .11679 | .41483 | .24476 | .17254 | .21129 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22564 | 2.1390 | .51663 | .07923 | 3.0538 | .32033 | .20378 |
| #2 | .22682 | 2.1303 | .51615 | .07872 | 3.0654 | .32037 | .20378 |
| #3 | .22664 | 2.1945 | .51543 | .07862 | 3.0678 | .31939 | .20304 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.206 | .45802 | .30219 | F .02525 | .97830 | .69990 | .21310 |
| Stddev | .033   | .00012 | .00699 | .01812   | .00859 | .00064 | .00622 |
| %RSD   | .32734 | .02620 | 2.3130 | 71.775   | .87828 | .09133 | 2.9209 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.199 | .45808 | .29505 | .04098 | .96991 | .70013 | .21206 |
| #2 | 10.177 | .45810 | .30902 | .02932 | .98708 | .70039 | .20747 |
| #3 | 10.243 | .45788 | .30251 | .00544 | .97791 | .69917 | .21978 |

Sample Name: PB117504BS      Acquired: 3/1/2019 16:21:32      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .22653 | 5.764  | .21580 | F 3.6866 | F<.00000 |
| Stddev    | .00240 | .007   | .00045 | .0405    | 2.5179   |
| %RSD      | 1.0605 | .1272  | .20968 | 1.0985   | 2.2074   |
| #1        | .22381 | 5.759  | .21553 | 3.7241   | -116.85  |
| #2        | .22738 | 5.773  | .21632 | 3.6920   | -111.95  |
| #3        | .22838 | 5.761  | .21554 | 3.6436   | -113.40  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3585.2 | 41774. | 3857.9 | 16.703   | 4052.5   |
| Stddev    | 8.0    | 17.    | 32.6   | 1.267    | 11.9     |
| %RSD      | .22344 | .04026 | .84610 | 7.5862   | .29344   |
| #1        | 3576.1 | 41791. | 3857.4 | 15.242   | 4038.8   |
| #2        | 3588.7 | 41757. | 3825.5 | 17.367   | 4058.1   |
| #3        | 3591.0 | 41773. | 3890.8 | 17.500   | 4060.5   |

Sample Name: PB117505BL      Acquired: 3/1/2019 16:25:40      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00038 | -.00073 | .00100 | .00096 | -.00225 | .00204 | -.01330 |
| Stddev | .00307  | .00068  | .00087 | .00401 | .00234  | .01102 | .00383  |
| %RSD   | 804.63  | 92.721  | 87.049 | 417.19 | 103.61  | 539.92 | 28.761  |

|    |         |         |        |         |         |         |         |
|----|---------|---------|--------|---------|---------|---------|---------|
| #1 | -.00383 | -.00152 | .00200 | -.00274 | -.00400 | -.01027 | -.00889 |
| #2 | .00060  | -.00029 | .00061 | .00523  | .00040  | .01098  | -.01540 |
| #3 | .00208  | -.00039 | .00039 | .00040  | -.00316 | .00541  | -.01562 |

|        |        |         |         |        |        |        |         |
|--------|--------|---------|---------|--------|--------|--------|---------|
| Elem   | Be2348 | Cd2265  | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm     |
| Avg    | .00002 | -.00008 | -.01745 | .00023 | .00000 | .00013 | -.00071 |
| Stddev | .00005 | .00004  | .00639  | .00015 | .00018 | .00028 | .00135  |
| %RSD   | 270.27 | 53.968  | 36.602  | 66.664 | 11605. | 221.83 | 188.71  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00007  | -.00012 | -.01340 | .00006 | -.00009 | .00036  | -.00118 |
| #2 | .00001  | -.00004 | -.02481 | .00036 | -.00011 | -.00018 | -.00177 |
| #3 | -.00003 | -.00007 | -.01414 | .00027 | .00021  | .00020  | .00080  |

|        |         |        |         |        |         |        |         |
|--------|---------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576  | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | -.00000 | .04365 | -.00029 | .00001 | -.02293 | .00015 | -.00012 |
| Stddev | .00006  | .09069 | .00015  | .00019 | .01384  | .00062 | .00005  |
| %RSD   | 1496.3  | 207.76 | 51.263  | 1734.8 | 60.358  | 410.53 | 41.296  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00006  | .12518  | -.00016 | .00009  | -.02228 | .00039  | -.00008 |
| #2 | -.00005 | .05981  | -.00025 | -.00021 | -.00943 | .00062  | -.00010 |
| #3 | -.00002 | -.05403 | -.00045 | .00015  | -.03709 | -.00055 | -.00017 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .09286 | .00040 | .01134 | F .02962 | .00028 | .00036 | .00179 |
| Stddev | .00362 | .00025 | .00056 | .00992   | .00174 | .00019 | .00069 |
| %RSD   | 3.8996 | 61.788 | 4.9443 | 33.489   | 613.85 | 53.061 | 38.692 |

|    |        |        |        |        |         |        |        |
|----|--------|--------|--------|--------|---------|--------|--------|
| #1 | .08872 | .00067 | .01101 | .03852 | -.00117 | .00059 | .00228 |
| #2 | .09544 | .00032 | .01199 | .03142 | -.00020 | .00028 | .00100 |
| #3 | .09442 | .00020 | .01103 | .01893 | .00222  | .00023 | .00210 |



Sample Name: PB117505BL      Acquired: 3/1/2019 16:25:40      Type: Unk  
Method: P4-ICP2(v2905)      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       | -.00190 | -.0026 | .00003  | F 3.7965 | F<.00000 |
| Stddev    | .00289  | .0005  | .00015  | .1255    | 1.4937   |
| %RSD      | 151.99  | 19.98  | 494.67  | 3.3055   | 32.005   |
| #1        | -.00029 | -.0026 | .00020  | 3.7916   | -6.3918  |
| #2        | -.00018 | -.0021 | -.00009 | 3.9243   | -3.8200  |
| #3        | -.00523 | -.0032 | -.00001 | 3.6735   | -3.7895  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3586.4  | 41266. | 3801.5  | 16.608   | 4068.3   |
| Stddev    | 6.2     | 97.    | 29.4    | .867     | 2.8      |
| %RSD      | .17378  | .23496 | .77441  | 5.2212   | .06877   |
| #1        | 3582.3  | 41224. | 3767.7  | 16.642   | 4067.8   |
| #2        | 3593.6  | 41197. | 3815.6  | 15.725   | 4071.3   |
| #3        | 3583.4  | 41377. | 3821.3  | 17.458   | 4065.7   |

Sample Name: PB117505BS      Acquired: 3/1/2019 16:30:09      Type: Unk  
Method: P4-ICP2(v2905)      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    | .89027 | 2.1847 | 1.0729 | 2.2254 | .93512 | 2.2613 | .20506 |
| Stddev | .00403 | .0094  | .0027  | .0118  | .00422 | .0329  | .00459 |
| %RSD   | .45250 | .43106 | .25473 | .53226 | .45080 | 1.4534 | 2.2400 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89316 | 2.1756 | 1.0698 | 2.2237 | .93573 | 2.2241 | .20281 |
| #2 | .88567 | 2.1841 | 1.0747 | 2.2144 | .93064 | 2.2865 | .21034 |
| #3 | .89199 | 2.1944 | 1.0744 | 2.2380 | .93900 | 2.2732 | .20202 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21430 | .20615 | 1.1111 | .46486 | .22146 | .34910 | 3.4342 |
| Stddev | .00034 | .00051 | .0199  | .00128 | .00050 | .00176 | .0249  |
| %RSD   | .15950 | .24887 | 1.7901 | .27457 | .22711 | .50300 | .72475 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21415 | .20558 | 1.1283 | .46340 | .22092 | .34709 | 3.4572 |
| #2 | .21405 | .20628 | 1.0893 | .46575 | .22152 | .34995 | 3.4078 |
| #3 | .21469 | .20658 | 1.1158 | .46544 | .22192 | .35028 | 3.4377 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23301 | 2.2318 | .52988 | .08298 | 3.1486 | .33068 | .20900 |
| Stddev | .00045 | .0256  | .00042 | .00038 | .0181  | .00135 | .00020 |
| %RSD   | .19316 | 1.1461 | .07858 | .45558 | .57652 | .40730 | .09743 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23302 | 2.2339 | .52969 | .08303 | 3.1563 | .33213 | .20877 |
| #2 | .23346 | 2.2563 | .53036 | .08257 | 3.1615 | .32946 | .20915 |
| #3 | .23255 | 2.2052 | .52959 | .08333 | 3.1278 | .33044 | .20909 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.545 | .47309 | .32384 | F .01253 | 1.0075 | .72422 | .22192 |
| Stddev | .037   | .00072 | .00720 | .00299   | .0217  | .00337 | .00373 |
| %RSD   | .35508 | .15258 | 2.2225 | 23.838   | 2.1549 | .46472 | 1.6829 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.505 | .47326 | .33209 | .01172 | 1.0128 | .72112 | .21864 |
| #2 | 10.551 | .47230 | .32060 | .01003 | .98357 | .72374 | .22114 |
| #3 | 10.579 | .47372 | .31884 | .01584 | 1.0260 | .72780 | .22599 |

Sample Name: PB117505BS      Acquired: 3/1/2019 16:30:09      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .23998 | 5.902  | .22333 | F 4.0208 | F<.00000 |
| Stddev    | .00147 | .020   | .00064 | .2077    | 3.6383   |
| %RSD      | .61098 | .3361  | .28504 | 5.1644   | 3.2321   |
| #1        | .24143 | 5.881  | .22363 | 4.0737   | -109.52  |
| #2        | .24002 | 5.921  | .22377 | 4.1968   | -111.59  |
| #3        | .23850 | 5.903  | .22260 | 3.7918   | -116.59  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3552.6 | 41369. | 3825.3 | 16.642   | 4010.5   |
| Stddev    | 8.4    | 103.   | 36.3   | 1.093    | 8.3      |
| %RSD      | .23597 | .24923 | .94832 | 6.5673   | .20686   |
| #1        | 3543.5 | 41366. | 3790.8 | 17.808   | 4004.0   |
| #2        | 3554.4 | 41268. | 3863.1 | 16.475   | 4007.6   |
| #3        | 3559.9 | 41474. | 3821.9 | 15.642   | 4019.8   |

Sample Name: PB117530BL      Acquired: 3/1/2019 16:34:16      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00309 | .00164 | -.00001 | .00184 | -.00260 | .01459 | -.01481 |
| Stddev | .00125 | .00066 | .00086  | .00040 | .00098  | .00790 | .00268  |
| %RSD   | 40.270 | 40.290 | 9108.6  | 21.983 | 37.607  | 54.134 | 18.080  |

|    |        |        |         |        |         |        |         |
|----|--------|--------|---------|--------|---------|--------|---------|
| #1 | .00173 | .00089 | .00054  | .00218 | -.00266 | .00784 | -.01761 |
| #2 | .00337 | .00213 | -.00101 | .00139 | -.00159 | .02327 | -.01227 |
| #3 | .00418 | .00190 | .00044  | .00194 | -.00355 | .01265 | -.01455 |

|        |        |        |         |        |         |         |         |
|--------|--------|--------|---------|--------|---------|---------|---------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00017 | .00004 | -.01290 | .00040 | -.00007 | -.00005 | -.00242 |
| Stddev | .00005 | .00007 | .00568  | .00022 | .00004  | .00028  | .00077  |
| %RSD   | 26.586 | 185.50 | 44.006  | 55.378 | 58.275  | 588.68  | 31.975  |

|    |        |         |         |        |         |         |         |
|----|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00013 | -.00004 | -.00905 | .00053 | -.00011 | .00022  | -.00179 |
| #2 | .00023 | .00006  | -.01942 | .00054 | -.00004 | -.00034 | -.00328 |
| #3 | .00016 | .00009  | -.01023 | .00015 | -.00006 | -.00002 | -.00218 |

|        |        |        |         |         |         |         |         |
|--------|--------|--------|---------|---------|---------|---------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00004 | .04360 | -.00010 | -.00016 | -.04004 | -.00032 | -.00041 |
| Stddev | .00008 | .08242 | .00035  | .00029  | .00592  | .00045  | .00007  |
| %RSD   | 219.13 | 189.02 | 354.94  | 174.82  | 14.790  | 143.72  | 17.647  |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00013  | -.05113 | .00004  | .00017  | -.04014 | -.00084 | -.00049 |
| #2 | .00000  | .08308  | -.00050 | -.00033 | -.03407 | -.00000 | -.00036 |
| #3 | -.00002 | .09886  | .00016  | -.00033 | -.04591 | -.00011 | -.00037 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .07410 | .00034 | .00912 | F .01029 | .00184 | .00062 | .00101 |
| Stddev | .04195 | .00030 | .00762 | .01158   | .00397 | .00095 | .00055 |
| %RSD   | 56.607 | 88.891 | 83.492 | 112.58   | 215.78 | 152.57 | 54.359 |

|    |        |        |        |         |         |         |        |
|----|--------|--------|--------|---------|---------|---------|--------|
| #1 | .12123 | .00064 | .00838 | .01258  | .00628  | -.00012 | .00038 |
| #2 | .06025 | .00004 | .00190 | -.00227 | .00062  | .00169  | .00135 |
| #3 | .04083 | .00033 | .01708 | .02055  | -.00138 | .00029  | .00132 |

Sample Name: PB117530BL      Acquired: 3/1/2019 16:34:16      Type: Unk  
Method: P4-ICP2(v2905)      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       | -.00346 | -.0033 | .00003  | F 4.0695 | F<.00000 |
| Stddev    | .00215  | .0012  | .00013  | .1624    | 4.2824   |
| %RSD      | 62.101  | 34.70  | 430.87  | 3.9912   | 766.51   |
| #1        | -.00122 | -.0021 | .00016  | 4.0478   | .05516   |
| #2        | -.00551 | -.0035 | -.00009 | 3.9190   | -5.1149  |
| #3        | -.00366 | -.0044 | .00002  | 4.2417   | 3.3837   |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3583.8  | 41115. | 3819.6  | 16.889   | 4066.5   |
| Stddev    | 3.4     | 132.   | 32.9    | .165     | 1.2      |
| %RSD      | .09589  | .32199 | .86048  | .97484   | .02966   |
| #1        | 3586.9  | 41108. | 3781.9  | 17.067   | 4065.4   |
| #2        | 3580.1  | 41251. | 3834.9  | 16.858   | 4067.8   |
| #3        | 3584.4  | 40986. | 3842.0  | 16.742   | 4066.4   |

Sample Name: PB117530BS      Acquired: 3/1/2019 16:38:44      Type: Unk  
Method: P4-ICP2(v2905)      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    | .87195 | 2.1385 | 1.0536 | 2.1872 | .91095 | 2.2092 | .20215 |
| Stddev | .01003 | .0083  | .0033  | .0056  | .00816 | .0023  | .00505 |
| %RSD   | 1.1497 | .38981 | .31299 | .25742 | .89605 | .10286 | 2.4967 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .87441 | 2.1356 | 1.0557 | 2.1851 | .91661 | 2.2108 | .20046 |
| #2 | .86092 | 2.1319 | 1.0498 | 2.1828 | .90159 | 2.2101 | .20782 |
| #3 | .88051 | 2.1479 | 1.0553 | 2.1935 | .91464 | 2.2066 | .19816 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20971 | .20139 | 1.1085 | .45220 | .21661 | .34187 | 3.3078 |
| Stddev | .00063 | .00059 | .0179  | .00046 | .00097 | .00154 | .0197  |
| %RSD   | .29830 | .29533 | 1.6110 | .10063 | .44567 | .44932 | .59455 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21038 | .20164 | 1.1137 | .45264 | .21687 | .34198 | 3.3171 |
| #2 | .20914 | .20071 | 1.0886 | .45223 | .21555 | .34028 | 3.2853 |
| #3 | .20962 | .20182 | 1.1231 | .45173 | .21743 | .34334 | 3.3212 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22840 | 2.1522 | .51800 | .08091 | 3.0484 | .32066 | .20659 |
| Stddev | .00040 | .0694  | .00156 | .00012 | .0101  | .00101 | .00060 |
| %RSD   | .17495 | 3.2238 | .30160 | .14336 | .32967 | .31561 | .29082 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22865 | 2.0951 | .51960 | .08093 | 3.0476 | .32164 | .20707 |
| #2 | .22794 | 2.2295 | .51647 | .08079 | 3.0589 | .31962 | .20592 |
| #3 | .22860 | 2.1321 | .51792 | .08102 | 3.0388 | .32070 | .20679 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.206 | .46143 | .30535 | F .52498 | .97013 | .70641 | .21766 |
| Stddev | .043   | .00123 | .01383 | .01180   | .01064 | .00290 | .00164 |
| %RSD   | .42463 | .26760 | 4.5286 | 2.2474   | 1.0967 | .41059 | .75558 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.255 | .46237 | .32126 | .51142 | .96977 | .70684 | .21584 |
| #2 | 10.192 | .46003 | .29622 | .53059 | .95967 | .70332 | .21903 |
| #3 | 10.172 | .46189 | .29857 | .53292 | .98094 | .70907 | .21813 |

Sample Name: PB117530BS      Acquired: 3/1/2019 16:38:44      Type: Unk  
Method: P4-ICP2(v2905)      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       | .22589 | 5.815  | .21768 | F 4.1562 | F<.00000 |
| Stddev    | .00242 | .021   | .00062 | .0535    | 6.3455   |
| %RSD      | 1.0715 | .3701  | .28547 | 1.2878   | 5.6816   |
| #1        | .22673 | 5.821  | .21745 | 4.1776   | -111.35  |
| #2        | .22777 | 5.791  | .21839 | 4.0952   | -105.51  |
| #3        | .22316 | 5.833  | .21721 | 4.1956   | -118.19  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3542.8 | 41170. | 3838.8 | 18.397   | 4006.6   |
| Stddev    | 8.7    | 127.   | 14.3   | 1.407    | 10.9     |
| %RSD      | .24629 | .30884 | .37285 | 7.6462   | .27232   |
| #1        | 3532.9 | 41024. | 3824.7 | 17.250   | 3994.0   |
| #2        | 3549.2 | 41240. | 3853.3 | 19.967   | 4013.0   |
| #3        | 3546.4 | 41247. | 3838.4 | 17.975   | 4012.9   |

Sample Name: PB117530TB      Acquired: 3/1/2019 16:42:50      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00063  | -.00230 | .00184   | .00544  | -.00231 | .03046 | -.02429 | -.00002 |
| Stddev | .00217   | .00113  | .00150   | .00176  | .00232  | .01618 | .00477  | .00007  |
| %RSD   | 343.18   | 48.959  | 81.671   | 32.374  | 100.46  | 53.103 | 19.635  | 329.99  |
| #1     | .00098   | -.00329 | .00343   | .00341  | -.00192 | .03363 | -.02977 | -.00010 |
| #2     | -.00311  | -.00107 | .00163   | .00642  | -.00480 | .04482 | -.02208 | .00005  |
| #3     | .00022   | -.00254 | .00045   | .00650  | -.00021 | .01294 | -.02103 | -.00001 |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | -.00007  | -.00997 | .00213   | -.00048 | -.00007 | .00207 | .00013  | .07795  |
| Stddev | .00016   | .01224  | .00017   | .00025  | .00054  | .00213 | .00004  | .01998  |
| %RSD   | 218.64   | 122.82  | 8.1540   | 51.871  | 741.06  | 103.16 | 32.810  | 25.634  |
| #1     | .00002   | -.02048 | .00208   | -.00019 | -.00055 | .00147 | .00008  | .05659  |
| #2     | -.00026  | .00348  | .00199   | -.00064 | .00051  | .00443 | .00014  | .09619  |
| #3     | .00002   | -.01291 | .00232   | -.00060 | -.00017 | .00030 | .00016  | .08106  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | .00275   | .00342  | F 290.45 | -.00011 | .00094  | .18986 | .00055  | .01174  |
| Stddev | .00045   | .00035  | 3.96     | .00079  | .00009  | .02158 | .00027  | .00164  |
| %RSD   | 16.220   | 10.236  | 1.3635   | 700.37  | 10.052  | 11.366 | 49.687  | 13.980  |
| #1     | .00254   | .00353  | 293.23   | -.00102 | .00083  | .17602 | .00025  | .01036  |
| #2     | .00246   | .00370  | 292.21   | .00044  | .00099  | .17885 | .00077  | .01131  |
| #3     | .00327   | .00303  | 285.92   | .00024  | .00101  | .21473 | .00063  | .01356  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm    | ppm     | ppm     |
| Avg    | F .04680 | .00346  | .00094   | .00219  | -.00180 | -.0032 | .00003  | 5.3058  |
| Stddev | .01685   | .00152  | .00066   | .00231  | .00153  | .0000  | .00012  | .1455   |
| %RSD   | 35.996   | 44.084  | 69.787   | 105.18  | 84.876  | 1.394  | 437.37  | 2.7420  |
| #1     | .02921   | .00457  | .00109   | .00239  | -.00108 | -.0031 | -.00005 | 5.3497  |
| #2     | .06279   | .00172  | .00151   | .00440  | -.00355 | -.0032 | .00016  | 5.1434  |
| #3     | .04841   | .00409  | .00022   | -.00021 | -.00076 | -.0031 | -.00003 | 5.4243  |



Sample Name: PB117530TB      Acquired: 3/1/2019 16:42:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 19.597 |
| Stddev | 2.355  |
| %RSD   | 12.018 |

|    |        |
|----|--------|
| #1 | 18.484 |
| #2 | 22.303 |
| #3 | 18.005 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3360.8 | 38178. | 3902.9 | 17.689 | 3594.5 |
| Stddev    | 12.4   | 45.    | 47.1   | .728   | 26.4   |
| %RSD      | .36963 | .11676 | 1.2066 | 4.1138 | .73540 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3351.1 | 38205. | 3859.4 | 17.000 | 3581.2 |
| #2 | 3356.4 | 38202. | 3896.5 | 17.617 | 3577.4 |
| #3 | 3374.8 | 38126. | 3952.9 | 18.450 | 3625.0 |

Sample Name: PB117531BL      Acquired: 3/1/2019 16:47:27      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00033   | -.00024 | -.00002 | .00316  | -.00278 | .01391  | -.01040 | .00006   |
| Stddev | .00178   | .00199  | .00039  | .00327  | .00179  | .01324  | .00323  | .00002   |
| %RSD   | 534.10   | 844.03  | 1669.7  | 103.71  | 64.510  | 95.186  | 31.056  | 35.461   |
| #1     | -.00059  | -.00160 | .00040  | .00406  | -.00071 | -.00115 | -.00777 | .00004   |
| #2     | -.00080  | -.00116 | -.00011 | -.00047 | -.00391 | .02374  | -.01401 | .00008   |
| #3     | .00238   | .00205  | -.00036 | .00588  | -.00371 | .01913  | -.00943 | .00006   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00006   | -.02026 | .00051  | -.00009 | -.00021 | -.00187 | .00004  | .11915   |
| Stddev | .00012   | .01017  | .00008  | .00020  | .00049  | .00086  | .00008  | .06887   |
| %RSD   | 191.45   | 50.213  | 16.069  | 219.28  | 230.15  | 45.967  | 174.78  | 57.801   |
| #1     | .00016   | -.02475 | .00048  | .00006  | .00016  | -.00166 | -.00004 | .19608   |
| #2     | -.00007  | -.02743 | .00044  | -.00002 | -.00003 | -.00281 | .00011  | .06323   |
| #3     | .00010   | -.00862 | .00060  | -.00032 | -.00076 | -.00113 | .00006  | .09815   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004   | .00030  | .02881  | -.00019 | -.00032 | .10465  | .00001  | .01237   |
| Stddev | .00058   | .00052  | .01491  | .00060  | .00003  | .00519  | .00019  | .01077   |
| %RSD   | 1620.5   | 175.71  | 51.740  | 317.20  | 9.3996  | 4.9565  | 1725.4  | 87.054   |
| #1     | .00001   | .00046  | .01256  | -.00069 | -.00033 | .09886  | -.00012 | .00682   |
| #2     | .00063   | -.00029 | .04186  | .00047  | -.00028 | .10887  | -.00008 | .02478   |
| #3     | -.00053  | .00072  | .03201  | -.00035 | -.00034 | .10623  | .00023  | .00551   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .03014 | .00120  | .00005  | -.00122 | -.00041 | -.0027  | -.00000 | F 3.7997 |
| Stddev | .01206   | .00107  | .00058  | .00232  | .00117  | .0015   | .00017  | .1032    |
| %RSD   | 40.011   | 89.196  | 1272.9  | 190.29  | 284.86  | 57.27   | 4969.6  | 2.7147   |
| #1     | .01622   | .00196  | -.00038 | .00123  | -.00003 | -.0028  | -.00001 | 3.8164   |
| #2     | .03748   | .00167  | -.00020 | -.00338 | .00052  | -.0011  | -.00017 | 3.6892   |
| #3     | .03673   | -.00002 | .00071  | -.00150 | -.00173 | -.0042  | .00017  | 3.8934   |

Sample Name: PB117531BL      Acquired: 3/1/2019 16:47:27      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |                                           |
|--------|-------------------------------------------|
| Elem   | U_3859                                    |
| Units  | ppm                                       |
| Avg    | <span style="color: red;">F</span> .86253 |
| Stddev | 2.4764                                    |
| %RSD   | 287.11                                    |

|    |         |
|----|---------|
| #1 | 3.6999  |
| #2 | -.86361 |
| #3 | -.24867 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3558.9 | 41069. | 3830.6 | 15.903 | 4052.8 |
| Stddev    | 6.6    | 126.   | 31.6   | 1.276  | 10.9   |
| %RSD      | .18685 | .30768 | .82510 | 8.0221 | .27013 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3561.3 | 41098. | 3794.4 | 17.300 | 4054.2 |
| #2 | 3564.1 | 40930. | 3844.5 | 14.800 | 4063.0 |
| #3 | 3551.4 | 41178. | 3852.9 | 15.608 | 4041.2 |

Sample Name: PB117531BS      Acquired: 3/1/2019 16:51:54      Type: Unk  
Method: P4-ICP2(v2905)      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    | .88753 | 2.1660 | 1.0721 | 2.2260 | .93218 | 2.2631 | .20037 |
| Stddev | .00084 | .0125  | .0007  | .0039  | .00240 | .0349  | .00598 |
| %RSD   | .09409 | .57692 | .06128 | .17534 | .25759 | 1.5427 | 2.9854 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88844 | 2.1528 | 1.0714 | 2.2252 | .93111 | 2.2680 | .19621 |
| #2 | .88735 | 2.1674 | 1.0722 | 2.2226 | .93049 | 2.2953 | .20723 |
| #3 | .88680 | 2.1777 | 1.0727 | 2.2303 | .93493 | 2.2260 | .19768 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21264 | .20547 | 1.1153 | .45796 | .22020 | .34806 | 3.3745 |
| Stddev | .00042 | .00043 | .0171  | .00067 | .00125 | .00257 | .0270  |
| %RSD   | .19847 | .20962 | 1.5299 | .14699 | .56942 | .73903 | .80034 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21313 | .20507 | 1.0960 | .45718 | .21957 | .34524 | 3.3523 |
| #2 | .21236 | .20542 | 1.1219 | .45835 | .21939 | .34867 | 3.3666 |
| #3 | .21244 | .20592 | 1.1281 | .45835 | .22164 | .35028 | 3.4046 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23187 | 2.1707 | .52766 | .08107 | 3.1515 | .32574 | .20982 |
| Stddev | .00032 | .0218  | .00163 | .00072 | .0119  | .00282 | .00036 |
| %RSD   | .13785 | 1.0056 | .30829 | .88216 | .37662 | .86652 | .16972 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23150 | 2.1476 | .52694 | .08188 | 3.1523 | .32872 | .20941 |
| #2 | .23203 | 2.1735 | .52652 | .08055 | 3.1630 | .32539 | .21006 |
| #3 | .23208 | 2.1909 | .52952 | .08076 | 3.1393 | .32311 | .20998 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.449 | .47277 | .31212 | F .26691 | .99309 | .71981 | .22204 |
| Stddev | .067   | .00143 | .00163 | .01796   | .01215 | .00132 | .00409 |
| %RSD   | .64059 | .30150 | .52093 | 6.7293   | 1.2230 | .18326 | 1.8422 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.400 | .47193 | .31374 | .26139 | .99124 | .71831 | .21732 |
| #2 | 10.525 | .47195 | .31213 | .28698 | .98198 | .72076 | .22419 |
| #3 | 10.421 | .47441 | .31049 | .25235 | 1.0061 | .72037 | .22461 |

Sample Name: PB117531BS      Acquired: 3/1/2019 16:51:54      Type: Unk  
Method: P4-ICP2(v2905)      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       | .23435 | 5.873  | .22269 | F 3.9501 | F<.00000 |
| Stddev    | .00263 | .009   | .00043 | .0695    | 1.9264   |
| %RSD      | 1.1230 | .1547  | .19312 | 1.7585   | 1.6878   |
| #1        | .23147 | 5.872  | .22251 | 4.0176   | -115.72  |
| #2        | .23662 | 5.865  | .22318 | 3.9537   | -114.70  |
| #3        | .23498 | 5.883  | .22238 | 3.8788   | -111.99  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3534.9 | 41408. | 3859.8 | 17.661   | 4006.2   |
| Stddev    | 9.0    | 87.    | 19.8   | 1.713    | 8.2      |
| %RSD      | .25478 | .21023 | .51208 | 9.7015   | .20578   |
| #1        | 3531.2 | 41329. | 3871.9 | 15.917   | 4001.2   |
| #2        | 3528.4 | 41392. | 3870.6 | 19.342   | 4001.7   |
| #3        | 3545.2 | 41501. | 3837.0 | 17.725   | 4015.7   |

Sample Name: PB117531TB      Acquired: 3/1/2019 16:56:01      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00372  | -.00250 | .00179   | .00431  | -.00221 | .01274  | -.02321 | .00002  |
| Stddev | .00118   | .00125  | .00068   | .00228  | .00364  | .01659  | .00072  | .00002  |
| %RSD   | 31.570   | 49.787  | 37.680   | 52.900  | 164.94  | 130.19  | 3.1055  | 106.58  |
| #1     | -.00400  | -.00390 | .00125   | .00245  | -.00476 | .02924  | -.02380 | .00002  |
| #2     | -.00243  | -.00150 | .00158   | .00686  | .00196  | .01291  | -.02241 | -.00000 |
| #3     | -.00474  | -.00211 | .00255   | .00362  | -.00383 | -.00393 | -.02343 | .00004  |
| Elem   | Cd2265   | Ca3736  | Cr2677   | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | -.00010  | -.02304 | .00141   | -.00042 | -.00063 | -.00128 | .00009  | .04934  |
| Stddev | .00008   | .02696  | .00018   | .00003  | .00014  | .00119  | .00005  | .03523  |
| %RSD   | 83.357   | 117.00  | 12.740   | 7.7009  | 22.455  | 93.130  | 59.053  | 71.409  |
| #1     | -.00010  | -.04768 | .00142   | -.00046 | -.00076 | -.00257 | .00009  | .05354  |
| #2     | -.00019  | -.02720 | .00122   | -.00039 | -.00048 | -.00106 | .00004  | .01220  |
| #3     | -.00002  | .00575  | .00158   | -.00042 | -.00065 | -.00022 | .00015  | .08229  |
| Elem   | Ni2316   | Ag3280  | Na5895   | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | .00311   | .00263  | F 311.77 | -.00030 | -.00005 | .15755  | .00027  | .01220  |
| Stddev | .00028   | .00029  | 1.23     | .00011  | .00009  | .07059  | .00019  | .00618  |
| %RSD   | 9.0966   | 10.968  | .39510   | 36.866  | 184.16  | 44.809  | 70.908  | 50.674  |
| #1     | .00278   | .00231  | 311.70   | -.00027 | -.00005 | .11878  | .00007  | .01856  |
| #2     | .00328   | .00286  | 313.03   | -.00021 | .00004  | .11483  | .00029  | .01182  |
| #3     | .00327   | .00274  | 310.57   | -.00043 | -.00014 | .23903  | .00045  | .00621  |
| Elem   | S_1820   | Si2881  | Sn1899   | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670  |
| Units  | ppm      | ppm     | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     |
| Avg    | F .05081 | .00521  | .00078   | .00200  | -.00075 | -.0039  | .00010  | 5.3137  |
| Stddev | .01113   | .00174  | .00079   | .00115  | .00266  | .0026   | .00010  | .0989   |
| %RSD   | 21.917   | 33.516  | 101.07   | 57.617  | 353.16  | 67.89   | 95.089  | 1.8615  |
| #1     | .05827   | .00692  | .00155   | .00143  | .00152  | -.0041  | .00011  | 5.2352  |
| #2     | .05614   | .00526  | .00080   | .00332  | -.00368 | -.0064  | .00020  | 5.2811  |
| #3     | .03801   | .00343  | -.00002  | .00124  | -.00010 | -.0012  | .00000  | 5.4248  |

Sample Name: PB117531TB      Acquired: 3/1/2019 16:56:01      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 25.126 |
| Stddev | 8.895  |
| %RSD   | 35.402 |

|    |        |
|----|--------|
| #1 | 16.441 |
| #2 | 24.720 |
| #3 | 34.217 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3350.6 | 38352. | 3875.8 | 17.481 | 3589.1 |
| Stddev    | 30.7   | 154.   | 14.0   | .824   | 19.9   |
| %RSD      | .91728 | .40232 | .36042 | 4.7150 | .55580 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3319.3 | 38505. | 3891.8 | 18.258 | 3567.2 |
| #2 | 3380.7 | 38356. | 3869.2 | 16.617 | 3606.1 |
| #3 | 3351.9 | 38196. | 3866.3 | 17.567 | 3594.1 |

Sample Name: PB117465BL      Acquired: 3/1/2019 17:00:37      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00066   | -.00110 | -.00030 | .00123  | -.00167 | .01217  | -.01385 | .00006   |
| Stddev | .00277   | .00131  | .00045  | .00499  | .00171  | .00681  | .00156  | .00008   |
| %RSD   | 419.35   | 118.49  | 150.45  | 405.23  | 102.18  | 55.922  | 11.244  | 136.94   |
| #1     | -.00254  | -.00211 | -.00031 | .00090  | -.00201 | .01804  | -.01269 | .00013   |
| #2     | .00218   | .00037  | .00016  | .00637  | .00018  | .01378  | -.01562 | .00006   |
| #3     | .00234   | -.00156 | -.00074 | -.00358 | -.00318 | .00471  | -.01324 | -.00002  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004   | -.01683 | .00039  | -.00014 | -.00026 | -.00276 | .00001  | .03646   |
| Stddev | .00003   | .00690  | .00031  | .00012  | .00051  | .00099  | .00004  | .04233   |
| %RSD   | 77.726   | 40.983  | 80.586  | 82.650  | 192.91  | 36.006  | 449.10  | 116.11   |
| #1     | .00004   | -.02103 | .00030  | -.00022 | -.00041 | -.00388 | -.00001 | .07722   |
| #2     | .00007   | -.02060 | .00013  | -.00021 | -.00068 | -.00243 | -.00002 | .03944   |
| #3     | .00001   | -.00887 | .00074  | -.00001 | .00030  | -.00197 | .00005  | -.00729  |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00032  | .00016  | .04187  | -.00014 | -.00036 | .09230  | -.00003 | .00565   |
| Stddev | .00042   | .00029  | .00453  | .00033  | .00008  | .01270  | .00017  | .00639   |
| %RSD   | 129.03   | 180.36  | 10.814  | 238.38  | 21.488  | 13.757  | 497.10  | 113.10   |
| #1     | .00016   | .00027  | .03961  | .00003  | -.00028 | .07782  | .00016  | .00960   |
| #2     | -.00061  | -.00017 | .03892  | .00007  | -.00044 | .10155  | -.00009 | .00907   |
| #3     | -.00052  | .00037  | .04708  | -.00051 | -.00035 | .09752  | -.00017 | -.00172  |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .01225 | .00122  | -.00050 | -.00017 | -.00041 | -.0035  | -.00009 | F 3.7427 |
| Stddev | .03175   | .00146  | .00060  | .00264  | .00363  | .0005   | .00005  | .1069    |
| %RSD   | 259.16   | 119.85  | 119.72  | 1520.0  | 885.62  | 15.15   | 50.964  | 2.8563   |
| #1     | .02092   | .00097  | .00008  | -.00065 | -.00311 | -.0037  | -.00014 | 3.8280   |
| #2     | -.02293  | .00278  | -.00047 | -.00255 | .00371  | -.0029  | -.00005 | 3.6228   |
| #3     | .03877   | -.00011 | -.00112 | .00267  | -.00183 | -.0040  | -.00008 | 3.7773   |



Sample Name: PB117465BL      Acquired: 3/1/2019 17:00:37      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F .08572 |
| Stddev | 7.3091   |
| %RSD   | 8526.7   |

|    |         |
|----|---------|
| #1 | -8.3481 |
| #2 | 4.0247  |
| #3 | 4.5805  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3557.1 | 41316. | 3844.9 | 17.497 | 4053.3 |
| Stddev    | 4.3    | 110.   | 30.3   | .400   | .4     |
| %RSD      | .11958 | .26505 | .78925 | 2.2843 | .00873 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3556.5 | 41340. | 3809.8 | 17.925 | 4053.2 |
| #2 | 3561.6 | 41411. | 3862.9 | 17.433 | 4053.0 |
| #3 | 3553.2 | 41196. | 3861.9 | 17.133 | 4053.7 |

Sample Name: CCV06      Acquired: 3/1/2019 17:05:05      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.3978 | 5.1642 | 5.2450 | 5.4083 | 5.4235 | 10.609 | 10.168 | .26212 |
| Stddev | .0181  | .0079  | .0123  | .0103  | .0160  | .093   | .019   | .00134 |
| %RSD   | .33614 | .15350 | .23532 | .19055 | .29437 | .87448 | .18614 | .51109 |
| #1     | 5.3769 | 5.1561 | 5.2331 | 5.3966 | 5.4114 | 10.502 | 10.177 | .26362 |
| #2     | 5.4089 | 5.1647 | 5.2577 | 5.4120 | 5.4416 | 10.651 | 10.181 | .26103 |
| #3     | 5.4077 | 5.1719 | 5.2441 | 5.4162 | 5.4176 | 10.673 | 10.146 | .26171 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5431 | 25.135 | 1.0396 | 2.6198 | 1.3114 | 4.9701 | 2.6272 | 24.567 |
| Stddev | .0003  | .085   | .0048  | .0019  | .0023  | .0347  | .0042  | .120   |
| %RSD   | .01067 | .33637 | .46153 | .07121 | .17538 | .69894 | .15997 | .48683 |
| #1     | 2.5431 | 25.049 | 1.0357 | 2.6216 | 1.3088 | 5.0030 | 2.6281 | 24.500 |
| #2     | 2.5434 | 25.218 | 1.0382 | 2.6179 | 1.3131 | 4.9337 | 2.6227 | 24.496 |
| #3     | 2.5429 | 25.137 | 1.0450 | 2.6198 | 1.3124 | 4.9736 | 2.6309 | 24.705 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5036 | 1.3520 | 25.429 | 2.5915 | 2.6243 | 25.375 | 5.3435 | 4.7704 |
| Stddev | .0014  | .0050  | .063   | .0045  | .0015  | .092   | .0100  | .0046  |
| %RSD   | .05414 | .36811 | .24757 | .17319 | .05786 | .36395 | .18784 | .09604 |
| #1     | 2.5025 | 1.3494 | 25.443 | 2.5874 | 2.6229 | 25.273 | 5.3357 | 4.7662 |
| #2     | 2.5031 | 1.3489 | 25.484 | 2.5908 | 2.6259 | 25.452 | 5.3548 | 4.7696 |
| #3     | 2.5051 | 1.3577 | 25.360 | 2.5963 | 2.6240 | 25.401 | 5.3399 | 4.7753 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.2172 | 4.9844 | 5.1333 | 5.1592 | 4.9939 | 5.123  | 5.1774 | 4.9054 |
| Stddev | .0545  | .0326  | .0055  | .0259  | .0156  | .016   | .0084  | .1260  |
| %RSD   | 1.0447 | .65347 | .10619 | .50192 | .31233 | .3068  | .16250 | 2.5675 |
| #1     | 5.1942 | 5.0158 | 5.1285 | 5.1746 | 5.0108 | 5.126  | 5.1845 | 4.8330 |
| #2     | 5.1780 | 4.9508 | 5.1392 | 5.1293 | 4.9909 | 5.106  | 5.1796 | 4.8323 |
| #3     | 5.2795 | 4.9866 | 5.1322 | 5.1737 | 4.9801 | 5.137  | 5.1681 | 5.0508 |

Sample Name: CCV06      Acquired: 3/1/2019 17:05:05      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 3.1401 |
| Stddev | 9.3220   |
| %RSD   | 296.87   |

|    |         |
|----|---------|
| #1 | 13.129  |
| #2 | -5.3283 |
| #3 | 1.6196  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3475.7 | 39907. | 3840.6 | 16.401 | 3666.9 |
| Stddev    | 1.8    | 70.    | 18.1   | .386   | 3.3    |
| %RSD      | .05058 | .17458 | .47225 | 2.3530 | .09057 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3474.9 | 39965. | 3819.7 | 16.097 | 3663.2 |
| #2 | 3474.4 | 39927. | 3851.7 | 16.835 | 3669.5 |
| #3 | 3477.7 | 39830. | 3850.4 | 16.269 | 3668.1 |

Sample Name: CCB06      Acquired: 3/1/2019 17:09:04      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00020   | -.00146 | .00049  | .00276  | -.00053 | -.00334 | -.01237 | .00008   |
| Stddev | .00185   | .00133  | .00046  | .00335  | .00173  | .00693  | .00369  | .00008   |
| %RSD   | 926.10   | 91.140  | 94.108  | 121.30  | 328.18  | 207.28  | 29.861  | 91.519   |
| #1     | .00129   | -.00290 | .00006  | -.00097 | .00056  | -.01010 | -.00945 | -.00000  |
| #2     | .00125   | -.00123 | .00043  | .00549  | .00037  | .00375  | -.01114 | .00010   |
| #3     | -.00194  | -.00026 | .00098  | .00375  | -.00252 | -.00368 | -.01652 | .00014   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00003   | -.00010 | .00020  | .00002  | -.00025 | -.00246 | .00004  | .08766   |
| Stddev | .00004   | .02499  | .00023  | .00026  | .00050  | .00089  | .00003  | .01082   |
| %RSD   | 164.96   | 25851.  | 116.20  | 1168.7  | 195.93  | 35.961  | 83.604  | 12.342   |
| #1     | .00002   | -.02011 | .00030  | .00008  | -.00074 | -.00264 | .00006  | .08923   |
| #2     | .00007   | .02791  | .00035  | -.00026 | .00026  | -.00325 | .00005  | .07615   |
| #3     | -.00001  | -.00810 | -.00007 | .00026  | -.00028 | -.00150 | .00000  | .09761   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00019  | .00001  | -.00029 | -.00016 | -.00038 | .10170  | .00046  | .01833   |
| Stddev | .00054   | .00031  | .01154  | .00014  | .00009  | .02824  | .00017  | .00228   |
| %RSD   | 286.73   | 2263.3  | 3959.7  | 87.057  | 22.980  | 27.770  | 35.916  | 12.430   |
| #1     | .00031   | -.00027 | -.00679 | -.00011 | -.00028 | .09164  | .00052  | .02094   |
| #2     | -.00077  | .00035  | -.00711 | -.00005 | -.00045 | .13359  | .00028  | .01726   |
| #3     | -.00010  | -.00004 | .01303  | -.00032 | -.00040 | .07986  | .00059  | .01678   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .03693 | .00129  | .00024  | .00154  | -.00395 | -.0020  | -.00000 | F 3.8216 |
| Stddev | .01105   | .00170  | .00069  | .00310  | .00182  | .0028   | .00011  | .1248    |
| %RSD   | 29.911   | 131.14  | 285.59  | 200.78  | 46.024  | 138.0   | 3668.4  | 3.2656   |
| #1     | .04617   | .00001  | .00054  | -.00065 | -.00523 | .0004   | .00005  | 3.9274   |
| #2     | .03993   | .00065  | .00073  | .00020  | -.00476 | -.0014  | -.00013 | 3.8533   |
| #3     | .02470   | .00322  | -.00055 | .00508  | -.00187 | -.0051  | .00007  | 3.6839   |

Sample Name: CCB06      Acquired: 3/1/2019 17:09:04      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.7962  
Stddev      3.4587  
%RSD      123.69

#1      4.9179  
#2      -1.1949  
#3      4.6657

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3549.4 | 41102. | 3866.6 | 17.394 | 4050.9 |
| Stddev    | 10.5   | 47.    | 45.9   | 1.142  | 4.6    |
| %RSD      | .29466 | .11545 | 1.1876 | 6.5670 | .11401 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3538.4 | 41120. | 3827.7 | 17.750 | 4047.9 |
| #2 | 3550.4 | 41048. | 3917.3 | 18.317 | 4048.6 |
| #3 | 3559.3 | 41138. | 3854.9 | 16.117 | 4056.2 |

Sample Name: PB117465BS      Acquired: 3/1/2019 17:13:32      Type: Unk  
Method: P4-ICP2(v2905)      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    | .89352 | 2.1601 | 1.0700 | 2.2329 | .93357 | 2.2639 | .20190 |
| Stddev | .00295 | .0078  | .0028  | .0057  | .00224 | .0188  | .00441 |
| %RSD   | .33026 | .36028 | .25857 | .25657 | .23970 | .82911 | 2.1818 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89321 | 2.1535 | 1.0676 | 2.2308 | .93124 | 2.2856 | .20339 |
| #2 | .89073 | 2.1687 | 1.0693 | 2.2285 | .93377 | 2.2526 | .20537 |
| #3 | .89661 | 2.1580 | 1.0730 | 2.2394 | .93570 | 2.2535 | .19695 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21249 | .20419 | 1.1236 | .45571 | .21954 | .34750 | 3.3245 |
| Stddev | .00030 | .00029 | .0157  | .00111 | .00059 | .00119 | .0305  |
| %RSD   | .14293 | .13969 | 1.3999 | .24306 | .26715 | .34109 | .91804 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21259 | .20402 | 1.1116 | .45556 | .21946 | .34738 | 3.2908 |
| #2 | .21215 | .20452 | 1.1414 | .45468 | .21900 | .34639 | 3.3502 |
| #3 | .21273 | .20404 | 1.1177 | .45688 | .22016 | .34875 | 3.3325 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23077 | 2.1705 | .52399 | .08125 | 3.1059 | .32425 | .20939 |
| Stddev | .00144 | .0673  | .00127 | .00034 | .0066  | .00027 | .00033 |
| %RSD   | .62462 | 3.1012 | .24310 | .42153 | .21093 | .08390 | .15563 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23046 | 2.2292 | .52254 | .08137 | 3.0991 | .32409 | .20907 |
| #2 | .22951 | 2.0970 | .52451 | .08152 | 3.1064 | .32409 | .20972 |
| #3 | .23234 | 2.1853 | .52492 | .08087 | 3.1122 | .32456 | .20938 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 10.278 | .47294 | .30743 | F .28036 | .97791 | .71495 | .22146 |
| Stddev | .071   | .00088 | .00140 | .02622   | .01158 | .00180 | .00230 |
| %RSD   | .68956 | .18640 | .45679 | 9.3517   | 1.1839 | .25194 | 1.0401 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.276 | .47195 | .30864 | .25241 | .96477 | .71300 | .21895 |
| #2 | 10.350 | .47364 | .30775 | .28427 | .98660 | .71533 | .22346 |
| #3 | 10.208 | .47323 | .30589 | .30440 | .98235 | .71654 | .22198 |

Sample Name: PB117465BS      Acquired: 3/1/2019 17:13:32      Type: Unk  
Method: P4-ICP2(v2905)      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       | .22908 | 5.847  | .22137 | F 4.0676 | F<.00000 |
| Stddev    | .00204 | .009   | .00055 | .1155    | 5.1443   |
| %RSD      | .88866 | .1522  | .24839 | 2.8405   | 4.5933   |
| #1        | .22852 | 5.851  | .22155 | 4.1055   | -115.72  |
| #2        | .23134 | 5.837  | .22182 | 3.9379   | -114.14  |
| #3        | .22739 | 5.853  | .22076 | 4.1595   | -106.13  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306   | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S    | Cts/S    |
| Avg       | 3529.9 | 41475. | 3902.1 | 16.672   | 4015.2   |
| Stddev    | 10.5   | 199.   | 28.6   | 1.616    | 12.2     |
| %RSD      | .29822 | .47905 | .73179 | 9.6902   | .30278   |
| #1        | 3518.0 | 41280. | 3932.4 | 18.467   | 4001.6   |
| #2        | 3533.7 | 41678. | 3875.8 | 15.333   | 4019.0   |
| #3        | 3538.0 | 41468. | 3898.0 | 16.217   | 4025.0   |

Sample Name: K1358-05      Acquired: 3/1/2019 17:17:39      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TR-05-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .08125 | -.02611 | 1.6528 | -.15869 | -.01947 | 133.24 | .61458 |
| Stddev | .00211 | .00296  | .0096  | .00174  | .00119  | .42    | .00866 |
| %RSD   | 2.6003 | 11.346  | .57865 | 1.0964  | 6.0898  | .31704 | 1.4085 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .08259 | -.02871 | 1.6420 | -.15778 | -.01865 | 133.03 | .62398 |
| #2 | .07882 | -.02288 | 1.6602 | -.15760 | -.01893 | 133.73 | .60694 |
| #3 | .08236 | -.02672 | 1.6560 | -.16070 | -.02083 | 132.97 | .61281 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01271 | .00438 | 95.345 | .26949 | .12436 | .67382 | 265.81 |
| Stddev | .00040 | .00090 | .688   | .00135 | .00095 | .00387 | 3.44   |
| %RSD   | 3.1356 | 20.456 | .72114 | .49976 | .76167 | .57486 | 1.2925 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01295 | .00352 | 95.402 | .26809 | .12330 | .66936 | 267.94 |
| #2 | .01225 | .00531 | 94.631 | .27078 | .12463 | .67568 | 261.85 |
| #3 | .01293 | .00430 | 96.003 | .26960 | .12514 | .67641 | 267.65 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.9907 | 42.131 | .13917 | -.02304 | 7.3768 | .43771 | 1.4889 |
| Stddev | .0085  | .713   | .00078 | .00064  | .1173  | .00336 | .0041  |
| %RSD   | .21217 | 1.6930 | .55810 | 2.7622  | 1.5898 | .76774 | .27602 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.9970 | 42.253 | .13827 | -.02232 | 7.4316 | .44011 | 1.4892 |
| #2 | 3.9940 | 41.365 | .13960 | -.02350 | 7.2422 | .43387 | 1.4929 |
| #3 | 3.9811 | 42.776 | .13964 | -.02331 | 7.4566 | .43916 | 1.4847 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.566 | .00533 | .19825 | 3.2499 | 2.3105 | .03413 | 1.2576 |
| Stddev | .158   | .00020 | .02315 | .0419  | .0600  | .00201 | .0065  |
| %RSD   | 1.2597 | 3.7161 | 11.679 | 1.2883 | 2.5956 | 5.8995 | .51744 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.583 | .00529 | .22168 | 3.2095 | 2.3423 | .03184 | 1.2566 |
| #2 | 12.400 | .00554 | .17538 | 3.2931 | 2.2413 | .03492 | 1.2516 |
| #3 | 12.715 | .00515 | .19769 | 3.2471 | 2.3478 | .03563 | 1.2645 |



Sample Name: K1358-05      Acquired: 3/1/2019 17:17:39      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TR-05-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .15776 | 7.910  | .06900 | .35574 | F<.00000 |
| Stddev | .00276 | .036   | .00063 | .26047 | 15.331   |
| %RSD   | 1.7465 | .4539  | .91183 | 73.219 | .23560   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .16025 | 7.874 | .06832 | .19270 | -6494.5 |
| #2 | .15480 | 7.946 | .06956 | .65614 | -6502.8 |
| #3 | .15822 | 7.911 | .06912 | .21839 | -6524.2 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3857.4 | 44517. | 4449.8 | 16.903 | 3527.7 |
| Stddev    | 4.1    | 97.    | 52.7   | .336   | 6.3    |
| %RSD      | .10666 | .21782 | 1.1848 | 1.9878 | .17784 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3858.9 | 44606. | 4433.7 | 17.191 | 3531.5 |
| #2 | 3860.5 | 44414. | 4508.7 | 16.984 | 3520.5 |
| #3 | 3852.7 | 44532. | 4407.0 | 16.534 | 3531.1 |

Sample Name: K1645-03      Acquired: 3/1/2019 17:22:07      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-10      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .08147 | -.07564 | .93678 | -.33379 | .03266 | 130.61 | .89868 |
| Stddev | .00293 | .00356  | .00483 | .00313  | .00541 | .58    | .01593 |
| %RSD   | 3.5971 | 4.7070  | .51608 | .93746  | 16.574 | .44318 | 1.7727 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .08443 | -.07205 | .93239 | -.33452 | .02819 | 131.28 | .91614 |
| #2 | .08139 | -.07571 | .94196 | -.33037 | .03868 | 130.29 | .89498 |
| #3 | .07857 | -.07917 | .93599 | -.33650 | .03112 | 130.27 | .88494 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .02276 | .00275 | 23.118 | F 84.697 | .65881 | 7.6775 | 446.18 |
| Stddev | .00019 | .00048 | .146   | .424     | .00252 | .0142  | 2.87   |
| %RSD   | .81738 | 17.380 | .63350 | .50107   | .38268 | .18484 | .64317 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02255 | .00220 | 23.286 | 85.184 | .65764 | 7.6931 | 449.29 |
| #2 | .02281 | .00304 | 23.052 | 84.404 | .66170 | 7.6653 | 445.60 |
| #3 | .02292 | .00301 | 23.016 | 84.504 | .65709 | 7.6741 | 443.64 |

|        |        |        |          |         |        |        |        |
|--------|--------|--------|----------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316   | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    |
| Avg    | 11.033 | 26.479 | F 87.721 | -.05282 | 12.436 | .44472 | 1.9800 |
| Stddev | .018   | .162   | .124     | .00077  | .180   | .00069 | .0043  |
| %RSD   | .16221 | .61102 | .14081   | 1.4546  | 1.4496 | .15413 | .21699 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 11.023 | 26.552 | 87.619 | -.05270 | 12.611 | .44550 | 1.9774 |
| #2 | 11.054 | 26.591 | 87.858 | -.05364 | 12.445 | .44422 | 1.9850 |
| #3 | 11.023 | 26.294 | 87.685 | -.05212 | 12.251 | .44443 | 1.9777 |

|        |        |          |         |        |        |        |        |
|--------|--------|----------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020   | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm      | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.6350 | F 15.055 | -.29021 | 2.2534 | 3.3576 | .47991 | 1.7707 |
| Stddev | .0450  | .037     | .00809  | .0260  | .0356  | .00238 | .0077  |
| %RSD   | .97104 | .24743   | 2.7874  | 1.1549 | 1.0597 | .49627 | .43541 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 4.6710 | 15.091 | -.28779 | 2.2802 | 3.3196 | .48112 | 1.7630 |
| #2 | 4.6495 | 15.017 | -.29923 | 2.2518 | 3.3901 | .47717 | 1.7707 |
| #3 | 4.5845 | 15.056 | -.28360 | 2.2282 | 3.3632 | .48145 | 1.7784 |

Sample Name: K1645-03      Acquired: 3/1/2019 17:22:07      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-10      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |         |          |
|-----------|--------|--------|---------|---------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm     | ppm      |
| Avg       | .10972 | 5.966  | -.34744 | <.00000 | F<.00000 |
| Stddev    | .00122 | .026   | .00322  | .18788  | 2.3900   |
| %RSD      | 1.1092 | .4450  | .92595  | 26.458  | .01759   |
| #1        | .11044 | 5.949  | -.35088 | -.51647 | -13592.  |
| #2        | .10832 | 5.996  | -.34693 | -.72222 | -13588.  |
| #3        | .11041 | 5.951  | -.34451 | -.89164 | -13593.  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3597.6 | 43704. | 4396.0  | 15.415  | 3267.7   |
| Stddev    | 11.3   | 150.   | 39.6    | 1.675   | 4.2      |
| %RSD      | .31316 | .34224 | .89987  | 10.863  | .12910   |
| #1        | 3585.2 | 43540. | 4357.2  | 13.551  | 3269.2   |
| #2        | 3607.2 | 43739. | 4394.5  | 15.903  | 3263.0   |
| #3        | 3600.4 | 43833. | 4436.3  | 16.792  | 3271.0   |

Sample Name: K1645-07      Acquired: 3/1/2019 17:26:49      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SR-9-S      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00992 | -.02227 | .06218 | -.05733 | -.00899 | 93.204 | .37008 |
| Stddev | .00154 | .00183  | .00071 | .00155  | .00123  | .070   | .00491 |
| %RSD   | 15.548 | 8.2270  | 1.1494 | 2.7086  | 13.710  | .07511 | 1.3264 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01145 | -.02411 | .06216 | -.05837 | -.00770 | 93.203 | .36780 |
| #2 | .00836 | -.02045 | .06290 | -.05808 | -.00911 | 93.275 | .37571 |
| #3 | .00995 | -.02225 | .06147 | -.05555 | -.01015 | 93.135 | .36672 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00550 | -.00351 | 7.0398 | .10210 | .06595 | .29582 | 134.45 |
| Stddev | .00007 | .00008  | .0503  | .00072 | .00034 | .00150 | .86    |
| %RSD   | 1.3064 | 2.2264  | .71394 | .70218 | .51732 | .50600 | .63930 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00558 | -.00342 | 7.0599 | .10160 | .06621 | .29648 | 133.69 |
| #2 | .00545 | -.00358 | 6.9827 | .10292 | .06607 | .29687 | 134.28 |
| #3 | .00548 | -.00352 | 7.0770 | .10177 | .06557 | .29411 | 135.38 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.8006 | 22.691 | .11665 | -.00718 | 2.9101 | .14587 | .25758 |
| Stddev | .0068  | .123   | .00025 | .00025  | .0363  | .00083 | .00043 |
| %RSD   | .14194 | .54066 | .21235 | 3.4964  | 1.2483 | .56573 | .16682 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.7929 | 22.550 | .11667 | -.00726 | 2.8728 | .14641 | .25744 |
| #2 | 4.8059 | 22.750 | .11639 | -.00690 | 2.9122 | .14628 | .25724 |
| #3 | 4.8030 | 22.772 | .11689 | -.00738 | 2.9454 | .14492 | .25806 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.8304 | .00061 | .01714 | .30625 | 2.7930 | .00675 | 1.2007 |
| Stddev | .0244  | .00011 | .01157 | .00375 | .0205  | .00081 | .0061  |
| %RSD   | .41901 | 17.785 | 67.481 | 1.2257 | .73282 | 11.920 | .50922 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.8570 | .00049 | .01085 | .30409 | 2.7708 | .00635 | 1.2059 |
| #2 | 5.8090 | .00068 | .01009 | .31059 | 2.7971 | .00623 | 1.1940 |
| #3 | 5.8252 | .00067 | .03050 | .30408 | 2.8111 | .00768 | 1.2023 |

Sample Name: K1645-07      Acquired: 3/1/2019 17:26:49      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-9-S      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .12156 | 3.676  | -.10748 | 2.6582 | F<.00000 |
| Stddev    | .00277 | .002   | .00077  | .1188  | 10.282   |
| %RSD      | 2.2767 | .0457  | .71370  | 4.4705 | .41488   |
| #1        | .12100 | 3.674  | -.10668 | 2.5259 | -2490.1  |
| #2        | .12456 | 3.677  | -.10756 | 2.7559 | -2472.6  |
| #3        | .11911 | 3.677  | -.10820 | 2.6928 | -2472.0  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3781.7 | 43316. | 4204.7  | 17.228 | 3788.5   |
| Stddev    | 4.7    | 99.    | 17.9    | 1.168  | 3.6      |
| %RSD      | .12444 | .22754 | .42609  | 6.7788 | .09570   |
| #1        | 3776.8 | 43392. | 4222.4  | 17.934 | 3792.7   |
| #2        | 3782.2 | 43205. | 4205.1  | 15.880 | 3786.2   |
| #3        | 3786.2 | 43351. | 4186.6  | 17.869 | 3786.6   |

Sample Name: K1645-11      Acquired: 3/1/2019 17:31:06      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SR-9-D      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01086 | -.02188 | .07704 | -.06814 | -.01025 | 82.947 | 1.0183 |
| Stddev | .00135 | .00142  | .00088 | .00873  | .00050  | .187   | .0079  |
| %RSD   | 12.435 | 6.4949  | 1.1435 | 12.805  | 4.8868  | .22601 | .77936 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01013 | -.02159 | .07693 | -.06981 | -.00994 | 83.138 | 1.0156 |
| #2 | .01003 | -.02063 | .07797 | -.07591 | -.01083 | 82.940 | 1.0272 |
| #3 | .01241 | -.02343 | .07622 | -.05870 | -.00999 | 82.763 | 1.0121 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00800 | -.00248 | 18.543 | .11755 | .09205 | .44210 | 148.33 |
| Stddev | .00005 | .00006  | .114   | .00078 | .00030 | .00097 | 1.30   |
| %RSD   | .66909 | 2.4787  | .61357 | .66648 | .33033 | .22017 | .87619 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00803 | -.00242 | 18.461 | .11765 | .09234 | .44321 | 147.57 |
| #2 | .00794 | -.00246 | 18.673 | .11828 | .09208 | .44141 | 149.83 |
| #3 | .00803 | -.00254 | 18.495 | .11672 | .09173 | .44167 | 147.59 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.9580 | 31.128 | .16301 | -.00783 | 3.1095 | .15114 | .38641 |
| Stddev | .0370  | .025   | .00067 | .00021  | .0247  | .00038 | .00057 |
| %RSD   | .53142 | .08078 | .40906 | 2.7387  | .79376 | .25406 | .14728 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.9663 | 31.150 | .16227 | -.00802 | 3.1379 | .15083 | .38679 |
| #2 | 6.9902 | 31.101 | .16356 | -.00760 | 3.0926 | .15157 | .38669 |
| #3 | 6.9176 | 31.135 | .16319 | -.00787 | 3.0981 | .15103 | .38576 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.6165 | -.00104 | .01131 | .28298 | 2.1040 | .00791 | 1.1706 |
| Stddev | .0179  | .00074  | .00746 | .01686 | .0109  | .00048 | .0033  |
| %RSD   | .23491 | 71.537  | 65.989 | 5.9586 | .51634 | 6.0961 | .28082 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | 7.6070 | -.00069 | .00311 | .28815 | 2.0927 | .00819 | 1.1736 |
| #2 | 7.6053 | -.00189 | .01770 | .26414 | 2.1049 | .00736 | 1.1710 |
| #3 | 7.6371 | -.00053 | .01311 | .29665 | 2.1143 | .00819 | 1.1671 |

Sample Name: K1645-11      Acquired: 3/1/2019 17:31:06      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-9-D      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .15866 | 6.348  | -.09824 | 1.3288 | F<.00000 |
| Stddev    | .00217 | .008   | .00129  | .1407  | 12.928   |
| %RSD      | 1.3685 | .1214  | 1.3164  | 10.592 | .42698   |
| #1        | .15915 | 6.342  | -.09745 | 1.4456 | -3016.1  |
| #2        | .16055 | 6.346  | -.09973 | 1.3684 | -3025.3  |
| #3        | .15629 | 6.357  | -.09754 | 1.1725 | -3041.7  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3953.5 | 45726. | 4452.2  | 16.391 | 3780.7   |
| Stddev    | 2.8    | 90.    | 29.0    | 1.098  | .9       |
| %RSD      | .07061 | .19626 | .65128  | 6.7011 | .02454   |
| #1        | 3955.6 | 45691. | 4481.6  | 17.655 | 3781.8   |
| #2        | 3950.3 | 45659. | 4423.6  | 15.854 | 3780.3   |
| #3        | 3954.6 | 45828. | 4451.3  | 15.666 | 3780.1   |

Sample Name: K1646-01      Acquired: 3/1/2019 17:35:34      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MMC-SC      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02765 | -.07130 | .20225 | -.06789 | -.00689 | 127.74 | .64468 |
| Stddev | .00437 | .00078  | .00073 | .00230  | .00654  | .15    | .01015 |
| %RSD   | 15.790 | 1.0936  | .36318 | 3.3895  | 94.916  | .11669 | 1.5752 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02550 | -.07064 | .20284 | -.07052 | -.00968 | 127.81 | .64486 |
| #2 | .03267 | -.07216 | .20143 | -.06691 | -.01158 | 127.84 | .65474 |
| #3 | .02477 | -.07111 | .20248 | -.06623 | .00058  | 127.57 | .63443 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00434 | .00413 | F 3655.4 | .10283 | .02828 | .09026 | 44.796 |
| Stddev | .00008 | .00019 | 52.6     | .00051 | .00051 | .00145 | .627   |
| %RSD   | 1.7600 | 4.7180 | 1.4403   | .49386 | 1.8174 | 1.6037 | 1.4000 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00443 | .00394 | 3663.5 | .10331 | .02793 | .08976 | 44.932 |
| #2 | .00428 | .00410 | 3703.5 | .10288 | .02803 | .09189 | 45.344 |
| #3 | .00431 | .00433 | 3599.2 | .10230 | .02887 | .08913 | 44.112 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.6795 | 224.78 | .09876 | -.02008 | 1.7666 | .21745 | .65841 |
| Stddev | .0137  | 1.71   | .00096 | .00019  | .0160  | .00190 | .00073 |
| %RSD   | .37228 | .76265 | .97496 | .92929  | .90513 | .87462 | .11070 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.6797 | 224.95 | .09764 | -.02005 | 1.7539 | .21965 | .65865 |
| #2 | 3.6930 | 226.40 | .09929 | -.02028 | 1.7846 | .21644 | .65759 |
| #3 | 3.6656 | 222.98 | .09933 | -.01991 | 1.7614 | .21627 | .65899 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 3.6341 | .00665 | .13620 | F 68.838 | .64419 | -.00101 | 4.1982 |
| Stddev | .0728  | .00043 | .01430 | .290     | .01317 | .00007  | .0075  |
| %RSD   | 2.0032 | 6.4968 | 10.498 | .42057   | 2.0440 | 6.9177  | .17790 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 3.6279 | .00646 | .12409 | 68.781 | .65269 | -.00107 | 4.2048 |
| #2 | 3.7099 | .00714 | .13253 | 68.581 | .65086 | -.00093 | 4.1901 |
| #3 | 3.5647 | .00634 | .15197 | 69.152 | .62902 | -.00104 | 4.1997 |



Sample Name: K1646-01      Acquired: 3/1/2019 17:35:34      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MMC-SC      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |          |        |          |
|-----------|--------|--------|----------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg       | .50667 | 4.210  | F 12.141 | 4.6320 | F<.00000 |
| Stddev    | .00181 | .011   | .204     | .0943  | 3.3649   |
| %RSD      | .35699 | .2648  | 1.6817   | 2.0366 | .63047   |
| #1        | .50876 | 4.203  | 11.940   | 4.5613 | -529.99  |
| #2        | .50567 | 4.203  | 12.348   | 4.7391 | -536.54  |
| #3        | .50559 | 4.222  | 12.136   | 4.5957 | -534.61  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 3225.9 | 37138. | 4167.9   | 14.819 | 2585.5   |
| Stddev    | 15.7   | 141.   | 52.3     | .961   | 18.4     |
| %RSD      | .48721 | .38024 | 1.2541   | 6.4846 | .71203   |
| #1        | 3244.0 | 37127. | 4155.2   | 15.279 | 2576.4   |
| #2        | 3216.8 | 37003. | 4123.1   | 13.715 | 2606.6   |
| #3        | 3216.8 | 37285. | 4225.3   | 15.464 | 2573.4   |

Sample Name: K1647-03      Acquired: 3/1/2019 17:40:06      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 44766      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03742 | -.08576 | .27001 | -.11322 | -.01445 | 119.46 | .36105 |
| Stddev | .00211 | .00219  | .00076 | .00290  | .00129  | .28    | .00540 |
| %RSD   | 5.6514 | 2.5577  | .28052 | 2.5626  | 8.9182  | .23529 | 1.4947 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03498 | -.08386 | .26972 | -.11548 | -.01297 | 119.59 | .36710 |
| #2 | .03858 | -.08527 | .26944 | -.11424 | -.01516 | 119.14 | .35675 |
| #3 | .03870 | -.08816 | .27087 | -.10995 | -.01524 | 119.66 | .35929 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00642 | .00217 | 62.946 | .26499 | .14677 | .60376 | 194.71 |
| Stddev | .00014 | .00015 | .066   | .00257 | .00089 | .00129 | .25    |
| %RSD   | 2.2104 | 6.8379 | .10451 | .96925 | .60470 | .21372 | .13069 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00626 | .00222 | 63.013 | .26257 | .14778 | .60301 | 195.00 |
| #2 | .00653 | .00201 | 62.943 | .26472 | .14643 | .60302 | 194.51 |
| #3 | .00648 | .00229 | 62.881 | .26769 | .14611 | .60525 | 194.61 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.5132 | 50.855 | .21993 | -.01871 | 7.3693 | .48642 | .85240 |
| Stddev | .0021  | .414   | .00041 | .00095  | .0841  | .00236 | .00182 |
| %RSD   | .08483 | .81392 | .18807 | 5.0924  | 1.1410 | .48586 | .21295 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.5148 | 51.305 | .21946 | -.01833 | 7.4398 | .48621 | .85425 |
| #2 | 2.5140 | 50.490 | .22015 | -.01802 | 7.2762 | .48416 | .85062 |
| #3 | 2.5108 | 50.769 | .22020 | -.01980 | 7.3918 | .48888 | .85233 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.916 | .02154 | .18000 | F 12.765 | 1.6310 | .03152 | 5.0871 |
| Stddev | .048   | .00030 | .00854 | .026     | .0267  | .00219 | .0199  |
| %RSD   | .31998 | 1.3997 | 4.7444 | .20380   | 1.6360 | 6.9320 | .39147 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.965 | .02188 | .17535 | 12.771 | 1.6500 | .03231 | 5.0646 |
| #2 | 14.870 | .02129 | .18986 | 12.787 | 1.6005 | .03320 | 5.0946 |
| #3 | 14.914 | .02146 | .17480 | 12.736 | 1.6425 | .02905 | 5.1023 |

Sample Name: K1647-03      Acquired: 3/1/2019 17:40:06      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 44766      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |          |        |          |
|-----------|--------|--------|----------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077   | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg       | .10545 | 7.877  | -.00000  | .16668 | F<.00000 |
| Stddev    | .00143 | .011   | .00195   | .14030 | 28.030   |
| %RSD      | 1.3573 | .1332  | 1046600. | 84.178 | .59384   |
| #1        | .10401 | 7.885  | -.00177  | .21028 | -4699.7  |
| #2        | .10687 | 7.865  | -.00033  | .00975 | -4708.3  |
| #3        | .10547 | 7.880  | .00210   | .28000 | -4752.0  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710   | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S    | Cts/S  | Cts/S    |
| Avg       | 4003.4 | 46492. | 4678.7   | 17.298 | 3519.8   |
| Stddev    | 5.2    | 70.    | 23.6     | 1.094  | 1.6      |
| %RSD      | .12929 | .15107 | .50354   | 6.3257 | .04535   |
| #1        | 4008.8 | 46411. | 4652.4   | 17.029 | 3519.5   |
| #2        | 4002.8 | 46540. | 4698.0   | 16.363 | 3521.6   |
| #3        | 3998.5 | 46525. | 4685.6   | 18.501 | 3518.4   |

Sample Name: K1651-01      Acquired: 3/1/2019 17:44:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 351-281      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .05546 | -.03041 | .17718 | -.10057 | -.01373 | 134.68 | .64084 |
| Stddev | .00147 | .00135  | .00175 | .00500  | .00382  | .16    | .00430 |
| %RSD   | 2.6541 | 4.4427  | .98917 | 4.9766  | 27.796  | .11919 | .67104 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .05483 | -.02953 | .17878 | -.10467 | -.01808 | 134.63 | .64212 |
| #2 | .05715 | -.03197 | .17531 | -.10203 | -.01219 | 134.54 | .64435 |
| #3 | .05442 | -.02974 | .17746 | -.09499 | -.01092 | 134.85 | .63605 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00765 | .00032 | 37.787 | .14643 | .10306 | .25352 | 190.20 |
| Stddev | .00010 | .00005 | .190   | .00057 | .00080 | .00103 | 1.69   |
| %RSD   | 1.2866 | 15.815 | .50389 | .39074 | .77960 | .40671 | .88832 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00776 | .00027 | 37.866 | .14580 | .10395 | .25464 | 191.47 |
| #2 | .00757 | .00031 | 37.926 | .14659 | .10241 | .25261 | 190.85 |
| #3 | .00763 | .00037 | 37.570 | .14690 | .10281 | .25330 | 188.29 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.1487 | 30.638 | .14924 | -.01330 | 1.2482 | .23065 | 1.4318 |
| Stddev | .0004  | .110   | .00150 | .00029  | .0053  | .00241 | .0024  |
| %RSD   | .00959 | .35750 | 1.0072 | 2.2041  | .42079 | 1.0439 | .16874 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.1486 | 30.753 | .15091 | -.01361 | 1.2543 | .22933 | 1.4346 |
| #2 | 4.1491 | 30.626 | .14799 | -.01325 | 1.2448 | .23343 | 1.4309 |
| #3 | 4.1483 | 30.535 | .14881 | -.01303 | 1.2455 | .22920 | 1.4300 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 11.236 | .00338 | -.03414 | F 18.800 | 1.9322 | .00894 | 1.5362 |
| Stddev | .060   | .00066 | .01196  | .163     | .0337  | .00104 | .0068  |
| %RSD   | .53316 | 19.505 | 35.033  | .86450   | 1.7429 | 11.638 | .44372 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 11.297 | .00273 | -.02109 | 18.988 | 1.9552 | .00999 | 1.5399 |
| #2 | 11.235 | .00405 | -.03675 | 18.706 | 1.9479 | .00790 | 1.5283 |
| #3 | 11.177 | .00336 | -.04457 | 18.706 | 1.8935 | .00893 | 1.5403 |

Sample Name: K1651-01      Acquired: 3/1/2019 17:44:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 351-281      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .11939 | 7.600  | -.07175 | 1.2590 | F<.00000 |
| Stddev    | .00128 | .051   | .00203  | .1694  | 27.850   |
| %RSD      | 1.0704 | .6736  | 2.8326  | 13.458 | .66688   |
| #1        | .11792 | 7.658  | -.07282 | 1.4057 | -4208.3  |
| #2        | .12018 | 7.561  | -.07302 | 1.0736 | -4158.6  |
| #3        | .12007 | 7.581  | -.06941 | 1.2978 | -4161.7  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3872.1 | 44587. | 4427.5  | 16.077 | 3566.6   |
| Stddev    | 3.2    | 84.    | 32.0    | .370   | 9.0      |
| %RSD      | .08195 | .18752 | .72307  | 2.3045 | .25333   |
| #1        | 3873.5 | 44492. | 4397.5  | 15.982 | 3556.4   |
| #2        | 3868.4 | 44650. | 4423.7  | 15.763 | 3569.9   |
| #3        | 3874.2 | 44619. | 4461.2  | 16.486 | 3573.5   |

Sample Name: K1651-04      Acquired: 3/1/2019 17:49:02      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CON-327      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .06997 | -.15820 | .69629 | -.15641 | -.00951 | 197.23 | 1.2971 |
| Stddev | .00757 | .00104  | .00526 | .00298  | .00134  | .56    | .0068  |
| %RSD   | 10.813 | .65709  | .75584 | 1.9081  | 14.117  | .28345 | .52400 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .07575 | -.15931 | .69105 | -.15313 | -.00836 | 196.77 | 1.2962 |
| #2 | .07276 | -.15725 | .69626 | -.15716 | -.01099 | 197.07 | 1.2907 |
| #3 | .06141 | -.15804 | .70157 | -.15895 | -.00919 | 197.85 | 1.3043 |

|        |        |        |          |        |        |        |        |
|--------|--------|--------|----------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736   | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01117 | .01072 | F 1908.0 | 1.7815 | .12010 | .61746 | 189.70 |
| Stddev | .00024 | .00014 | 12.2     | .0057  | .00053 | .00035 | 1.48   |
| %RSD   | 2.1118 | 1.3519 | .63934   | .31850 | .44293 | .05678 | .77997 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01128 | .01060 | 1915.2 | 1.7816 | .11979 | .61726 | 191.28 |
| #2 | .01132 | .01088 | 1893.9 | 1.7871 | .11979 | .61725 | 188.35 |
| #3 | .01089 | .01069 | 1914.8 | 1.7758 | .12071 | .61786 | 189.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.0165 | 333.02 | .53284 | -.03616 | 2.0626 | .98437 | 1.3606 |
| Stddev | .0250  | 2.46   | .00165 | .00147  | .0149  | .01628 | .0009  |
| %RSD   | .31120 | .73940 | .30953 | 4.0715  | .72045 | 1.6537 | .06427 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.9951 | 333.26 | .53126 | -.03757 | 2.0747 | 1.0027 | 1.3612 |
| #2 | 8.0439 | 330.44 | .53271 | -.03628 | 2.0460 | .97150 | 1.3596 |
| #3 | 8.0105 | 335.35 | .53455 | -.03463 | 2.0669 | .97895 | 1.3610 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 26.713 | .08843 | .01135 | F 76.362 | .48721 | .04059 | 9.5691 |
| Stddev | .150   | .00070 | .00356 | .202     | .01584 | .00171 | .0296  |
| %RSD   | .56152 | .79578 | 31.418 | .26443   | 3.2508 | 4.2083 | .30986 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.745 | .08763 | .00785 | 76.305 | .50503 | .04252 | 9.5770 |
| #2 | 26.550 | .08870 | .01498 | 76.587 | .48188 | .03994 | 9.5939 |
| #3 | 26.845 | .08895 | .01120 | 76.195 | .47473 | .03929 | 9.5362 |

Sample Name: K1651-04      Acquired: 3/1/2019 17:49:02      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CON-327      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .54035 | 8.020  | 1.1246 | 3.0286 | F<.00000 |
| Stddev    | .00193 | .010   | .0081  | .1188  | 33.256   |
| %RSD      | .35773 | .1229  | .71755 | 3.9223 | .80004   |
| #1        | .53871 | 8.031  | 1.1294 | 2.9009 | -4193.2  |
| #2        | .54248 | 8.015  | 1.1152 | 3.1358 | -4128.0  |
| #3        | .53987 | 8.014  | 1.1290 | 3.0490 | -4149.0  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3289.5 | 37818. | 4086.8 | 14.802 | 2756.8   |
| Stddev    | 8.1    | 32.    | 22.4   | 1.787  | .9       |
| %RSD      | .24522 | .08504 | .54727 | 12.074 | .03107   |
| #1        | 3280.2 | 37815. | 4064.5 | 14.761 | 2756.8   |
| #2        | 3294.0 | 37787. | 4109.2 | 16.610 | 2756.0   |
| #3        | 3294.3 | 37851. | 4086.8 | 13.036 | 2757.7   |

Sample Name: K1652-10      Acquired: 3/1/2019 17:53:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-DAY-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02340 | -.02230 | 1.7615 | -.06948 | -.00772 | 86.055 | .78862 |
| Stddev | .00366 | .00080  | .0038  | .00220  | .00149  | .270   | .00392 |
| %RSD   | 15.647 | 3.5756  | .21502 | 3.1734  | 19.293  | .31335 | .49663 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02762 | -.02141 | 1.7601 | -.07043 | -.00915 | 85.751 | .78440 |
| #2 | .02139 | -.02252 | 1.7587 | -.06696 | -.00784 | 86.266 | .79213 |
| #3 | .02118 | -.02296 | 1.7658 | -.07105 | -.00618 | 86.148 | .78933 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00623 | -.00056 | 81.129 | .12163 | .08418 | .25833 | 138.11 |
| Stddev | .00019 | .00008  | .505   | .00038 | .00009 | .00064 | .91    |
| %RSD   | 3.1062 | 13.996  | .62266 | .31466 | .11128 | .24730 | .65632 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00602 | -.00061 | 81.597 | .12189 | .08408 | .25898 | 138.54 |
| #2 | .00627 | -.00061 | 81.197 | .12181 | .08418 | .25770 | 138.72 |
| #3 | .00641 | -.00047 | 80.593 | .12119 | .08427 | .25831 | 137.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.2776 | 33.833 | .14718 | -.00747 | .83220 | .17613 | 1.0261 |
| Stddev | .0078  | .100   | .00060 | .00055  | .00659 | .00210 | .0013  |
| %RSD   | .18295 | .29449 | .40624 | 7.3660  | .79151 | 1.1898 | .12521 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.2726 | 33.738 | .14727 | -.00798 | .83962 | .17507 | 1.0253 |
| #2 | 4.2866 | 33.937 | .14655 | -.00689 | .82995 | .17477 | 1.0253 |
| #3 | 4.2736 | 33.825 | .14773 | -.00754 | .82704 | .17854 | 1.0275 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.4535 | .00271 | .01486 | 2.1477 | 2.3880 | .03771 | 1.2993 |
| Stddev | .0088  | .00032 | .01322 | .0268  | .0051  | .00194 | .0094  |
| %RSD   | .11776 | 11.868 | 88.932 | 1.2485 | .21322 | 5.1408 | .72279 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.4513 | .00248 | .02978 | 2.1184 | 2.3821 | .03647 | 1.3095 |
| #2 | 7.4459 | .00257 | .01020 | 2.1536 | 2.3906 | .03671 | 1.2975 |
| #3 | 7.4631 | .00307 | .00461 | 2.1710 | 2.3911 | .03994 | 1.2910 |



Sample Name: K1652-10      Acquired: 3/1/2019 17:53:44      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-DAY-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .12891 | 5.505  | .11292 | 2.2311 | F<.00000 |
| Stddev | .00243 | .008   | .00063 | .2008  | 14.153   |
| %RSD   | 1.8871 | .1467  | .55645 | 8.9990 | .52590   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .13081 | 5.505 | .11296 | 2.0341 | -2701.9 |
| #2 | .12975 | 5.497 | .11227 | 2.4354 | -2696.5 |
| #3 | .12617 | 5.513 | .11352 | 2.2238 | -2675.2 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3707.9 | 43170. | 4206.8 | 15.988 | 3617.3 |
| Stddev    | 4.6    | 147.   | 29.1   | 1.081  | 2.7    |
| %RSD      | .12520 | .33950 | .69128 | 6.7634 | .07397 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3708.0 | 43310. | 4185.1 | 15.493 | 3618.6 |
| #2 | 3712.4 | 43017. | 4195.4 | 15.244 | 3619.0 |
| #3 | 3703.1 | 43184. | 4239.8 | 17.229 | 3614.2 |

Sample Name: CCV07      Acquired: 3/1/2019 18:05:16      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.2084 | 4.9075 | 5.0217 | 5.1648 | 5.2423 | 10.057 | 9.6649 | .25026 |
| Stddev | .0050  | .0209  | .0103  | .0268  | .0099  | .073   | .1003  | .00041 |
| %RSD   | .09514 | .42589 | .20551 | .51856 | .18847 | .72102 | 1.0375 | .16306 |
| #1     | 5.2139 | 4.9181 | 5.0259 | 5.1795 | 5.2410 | 10.138 | 9.5493 | .25028 |
| #2     | 5.2068 | 4.8834 | 5.0099 | 5.1339 | 5.2331 | 9.9997 | 9.7277 | .25066 |
| #3     | 5.2044 | 4.9209 | 5.0293 | 5.1810 | 5.2527 | 10.032 | 9.7178 | .24984 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4103 | 23.767 | .98498 | 2.4947 | 1.2541 | 4.7130 | 2.5024 | 23.282 |
| Stddev | .0036  | .112   | .00637 | .0030  | .0026  | .0745  | .0018  | .211   |
| %RSD   | .14835 | .46913 | .64639 | .12200 | .20967 | 1.5805 | .07027 | .90623 |
| #1     | 2.4133 | 23.642 | .98373 | 2.4967 | 1.2563 | 4.6270 | 2.5011 | 23.167 |
| #2     | 2.4064 | 23.857 | .97933 | 2.4912 | 1.2512 | 4.7551 | 2.5017 | 23.525 |
| #3     | 2.4112 | 23.803 | .99188 | 2.4962 | 1.2548 | 4.7569 | 2.5044 | 23.153 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3678 | 1.3006 | 24.032 | 2.4331 | 2.5115 | 23.783 | 5.1549 | 4.5064 |
| Stddev | .0047  | .0076  | .265   | .0016  | .0057  | .341   | .0114  | .0529  |
| %RSD   | .19841 | .58557 | 1.1035 | .06557 | .22756 | 1.4334 | .22035 | 1.1740 |
| #1     | 2.3728 | 1.2984 | 23.746 | 2.4349 | 2.5161 | 23.406 | 5.1666 | 4.4453 |
| #2     | 2.3635 | 1.2943 | 24.079 | 2.4326 | 2.5051 | 23.872 | 5.1440 | 4.5371 |
| #3     | 2.3670 | 1.3091 | 24.270 | 2.4318 | 2.5133 | 24.071 | 5.1541 | 4.5368 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9677 | 4.7543 | 4.8583 | 4.9447 | 4.7666 | 4.876  | 4.9263 | 5.3260 |
| Stddev | .0126  | .0746  | .0177  | .0185  | .0444  | .003   | .0452  | .1793  |
| %RSD   | .25333 | 1.5684 | .36433 | .37381 | .93091 | .0640  | .91761 | 3.3660 |
| #1     | 4.9807 | 4.6682 | 4.8764 | 4.9258 | 4.7163 | 4.876  | 4.8744 | 5.3059 |
| #2     | 4.9556 | 4.7968 | 4.8410 | 4.9628 | 4.7835 | 4.873  | 4.9570 | 5.1576 |
| #3     | 4.9667 | 4.7979 | 4.8574 | 4.9456 | 4.8001 | 4.879  | 4.9475 | 5.5144 |

Sample Name: CCV07      Acquired: 3/1/2019 18:05:16      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.1444 |
| Stddev | 19.161   |
| %RSD   | 462.33   |

|    |         |
|----|---------|
| #1 | -17.498 |
| #2 | 18.945  |
| #3 | 10.987  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3397.1 | 39179. | 3799.9 | 16.571 | 3623.7 |
| Stddev    | 8.5    | 135.   | 47.6   | 1.922  | 9.3    |
| %RSD      | .24887 | .34518 | 1.2523 | 11.601 | .25662 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3387.5 | 39098. | 3854.9 | 15.311 | 3613.1 |
| #2 | 3400.2 | 39335. | 3771.2 | 15.619 | 3627.6 |
| #3 | 3403.6 | 39103. | 3773.7 | 18.784 | 3630.5 |

Sample Name: CCB07      Acquired: 3/1/2019 18:09:14      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00104 | .00075 | .00020 | .00030 | -.00132 | .00203 | -.01547 |
| Stddev | .00134 | .00065 | .00038 | .00432 | .00170  | .01205 | .00455  |
| %RSD   | 128.45 | 87.379 | 191.92 | 1452.4 | 128.38  | 594.34 | 29.417  |

|    |         |        |         |         |         |         |         |
|----|---------|--------|---------|---------|---------|---------|---------|
| #1 | .00125  | .00138 | .00020  | .00025  | -.00292 | -.00850 | -.01041 |
| #2 | .00226  | .00007 | -.00018 | -.00400 | -.00149 | .01518  | -.01924 |
| #3 | -.00039 | .00079 | .00058  | .00464  | .00045  | -.00059 | -.01675 |

|        |        |        |         |        |         |        |        |
|--------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00002 | .00006 | -.00616 | .00026 | -.00011 | .00039 | .00034 |
| Stddev | .00005 | .00007 | .02837  | .00038 | .00008  | .00065 | .00065 |
| %RSD   | 200.29 | 105.91 | 460.51  | 147.01 | 77.043  | 166.53 | 192.04 |

|    |         |         |         |         |         |         |         |
|----|---------|---------|---------|---------|---------|---------|---------|
| #1 | .00006  | -.00001 | .00033  | .00044  | -.00020 | .00100  | .00013  |
| #2 | .00004  | .00012  | -.03721 | .00052  | -.00006 | .00048  | .00107  |
| #3 | -.00003 | .00009  | .01840  | -.00018 | -.00006 | -.00030 | -.00018 |

|        |        |        |         |        |         |        |         |
|--------|--------|--------|---------|--------|---------|--------|---------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280 | Na5895  | V_2924 | Zn2138  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00001 | .05825 | -.00006 | .00035 | -.00883 | .00041 | -.00035 |
| Stddev | .00003 | .09291 | .00010  | .00029 | .01492  | .00037 | .00006  |
| %RSD   | 192.77 | 159.51 | 158.62  | 83.878 | 169.03  | 90.633 | 17.406  |

|    |         |         |         |        |         |         |         |
|----|---------|---------|---------|--------|---------|---------|---------|
| #1 | .00003  | -.00309 | -.00015 | .00006 | .00646  | .00060  | -.00029 |
| #2 | .00003  | .01269  | -.00009 | .00064 | -.02334 | .00065  | -.00041 |
| #3 | -.00002 | .16515  | .00005  | .00033 | -.00960 | -.00002 | -.00034 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | .08773 | .00059 | .02340 | F .02912 | .00608 | -.00002 | .00216 |
| Stddev | .03698 | .00060 | .00535 | .02245   | .00177 | .00095  | .00086 |
| %RSD   | 42.149 | 102.40 | 22.877 | 77.105   | 29.044 | 4041.8  | 39.921 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | .09816 | .00128 | .01823 | .03579 | .00771 | -.00099 | .00227 |
| #2 | .11837 | .00020 | .02892 | .04748 | .00420 | .00001  | .00295 |
| #3 | .04666 | .00028 | .02305 | .00409 | .00633 | .00091  | .00124 |

Sample Name: CCB07      Acquired: 3/1/2019 18:09:14      Type: Unk  
 Method: P4-ICP2(v2905)      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       | -.00047 | -.0030 | .00003  | F 4.3554 | F<.00000 |
| Stddev    | .00306  | .0010  | .00006  | .1069    | 3.8508   |
| %RSD      | 651.11  | 33.56  | 202.64  | 2.4550   | 323.83   |
| #1        | -.00236 | -.0040 | -.00003 | 4.2359   | 2.7971   |
| #2        | .00306  | -.0030 | .00003  | 4.3880   | -1.4762  |
| #3        | -.00212 | -.0020 | .00009  | 4.4422   | -4.8883  |
| Int. Std. | Y_2243  | Y_3600 | Y_3710  | In2306   | In2306   |
| Units     | Cts/S   | Cts/S  | Cts/S   | Cts/S    | Cts/S    |
| Avg       | 3457.1  | 40360. | 3763.2  | 17.742   | 3964.6   |
| Stddev    | 8.9     | 145.   | 7.7     | 1.279    | 8.4      |
| %RSD      | .25633  | .35805 | .20478  | 7.2090   | .21152   |
| #1        | 3447.5  | 40420. | 3757.0  | 19.208   | 3956.7   |
| #2        | 3458.7  | 40195. | 3771.8  | 17.158   | 3963.7   |
| #3        | 3465.0  | 40465. | 3760.9  | 16.858   | 3973.4   |

Sample Name: K1652-12      Acquired: 3/1/2019 18:13:42      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-DAY-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .09979 | -.02496 | 7.0372 | -.08425 | -.00711 | 121.83 | 2.9150 |
| Stddev | .00537 | .00190  | .0069  | .00216  | .00224  | .67    | .0138  |
| %RSD   | 5.3789 | 7.5976  | .09764 | 2.5675  | 31.523  | .55006 | .47161 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .10056 | -.02277 | 7.0328 | -.08178 | -.00501 | 122.21 | 2.9299 |
| #2 | .09408 | -.02606 | 7.0338 | -.08582 | -.00947 | 121.05 | 2.9029 |
| #3 | .10473 | -.02604 | 7.0451 | -.08514 | -.00686 | 122.22 | 2.9121 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00762 | .00682 | 65.355 | .21807 | .09045 | .54641 | 163.84 |
| Stddev | .00016 | .00013 | .253   | .00090 | .00055 | .00062 | .68    |
| %RSD   | 2.1440 | 1.9793 | .38713 | .41321 | .60881 | .11275 | .41274 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00744 | .00667 | 65.632 | .21890 | .08994 | .54625 | 164.45 |
| #2 | .00769 | .00684 | 65.295 | .21711 | .09036 | .54709 | 163.97 |
| #3 | .00774 | .00694 | 65.137 | .21820 | .09103 | .54589 | 163.11 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.2562 | 34.183 | .20075 | -.00461 | 1.3234 | .28323 | 2.6192 |
| Stddev | .0083  | .083   | .00007 | .00020  | .0234  | .00095 | .0012  |
| %RSD   | .15853 | .24377 | .03714 | 4.2675  | 1.7706 | .33455 | .04659 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.2647 | 34.220 | .20071 | -.00452 | 1.3300 | .28258 | 2.6206 |
| #2 | 5.2480 | 34.087 | .20083 | -.00447 | 1.2974 | .28279 | 2.6183 |
| #3 | 5.2559 | 34.240 | .20070 | -.00483 | 1.3429 | .28431 | 2.6186 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.2688 | .00511 | -.00025 | 3.3351 | 2.1437 | .09575 | 1.3923 |
| Stddev | .0469  | .00009 | .00693  | .0124  | .0169  | .00058 | .0028  |
| %RSD   | .50558 | 1.6956 | 2743.8  | .37043 | .78990 | .60458 | .20138 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 9.3066 | .00521 | -.00700 | 3.3233 | 2.1563 | .09547 | 1.3893 |
| #2 | 9.2163 | .00507 | -.00061 | 3.3340 | 2.1504 | .09536 | 1.3948 |
| #3 | 9.2834 | .00505 | .00685  | 3.3479 | 2.1245 | .09641 | 1.3927 |

Sample Name: K1652-12      Acquired: 3/1/2019 18:13:42      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-DAY-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .15986 | F 12.74 | .15639 | 2.4809 | F<.00000 |
| Stddev | .00292 | .03     | .00090 | .0150  | 13.567   |
| %RSD   | 1.8279 | .2565   | .57839 | .60657 | .40984   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .16139 | 12.76 | .15723 | 2.4929 | -3303.0 |
| #2 | .15649 | 12.76 | .15543 | 2.4858 | -3301.8 |
| #3 | .16169 | 12.71 | .15650 | 2.4640 | -3325.9 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3680.4 | 42674. | 4195.7 | 16.593 | 3566.8 |
| Stddev    | 3.2    | 143.   | 17.4   | .567   | 1.7    |
| %RSD      | .08646 | .33471 | .41388 | 3.4164 | .04734 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3680.6 | 42524. | 4176.5 | 17.246 | 3566.6 |
| #2 | 3683.4 | 42809. | 4200.2 | 16.231 | 3568.5 |
| #3 | 3677.1 | 42689. | 4210.4 | 16.301 | 3565.2 |

Sample Name: K1654-01      Acquired: 3/1/2019 18:18:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SOIL-PILE      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .20163 | -.10389 | .37481 | -.17877 | -.01754 | 181.03 | .82863 |
| Stddev | .00481 | .00266  | .00300 | .00145  | .00111  | 1.22   | .01255 |
| %RSD   | 2.3865 | 2.5652  | .79981 | .81358  | 6.3224  | .67470 | 1.5149 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .19628 | -.10293 | .37213 | -.18025 | -.01737 | 181.91 | .81441 |
| #2 | .20561 | -.10183 | .37426 | -.17872 | -.01873 | 181.55 | .83820 |
| #3 | .20301 | -.10690 | .37805 | -.17735 | -.01653 | 179.64 | .83327 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01353 | .00778 | 50.069 | .50197 | .17242 | .50040 | 278.78 |
| Stddev | .00012 | .00044 | .374   | .00209 | .00137 | .00172 | 3.29   |
| %RSD   | .90748 | 5.6268 | .74627 | .41617 | .79286 | .34335 | 1.1811 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01339 | .00826 | 49.727 | .49967 | .17098 | .49848 | 275.20 |
| #2 | .01361 | .00741 | 50.468 | .50247 | .17257 | .50093 | 281.68 |
| #3 | .01360 | .00766 | 50.013 | .50376 | .17370 | .50180 | 279.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 4.5100 | 52.634 | .25405 | -.02789 | 2.9084 | .46867 | 1.0947 |
| Stddev | .0097  | .356   | .00181 | .00102  | .0127  | .00105 | .0013  |
| %RSD   | .21545 | .67555 | .71412 | 3.6393  | .43711 | .22386 | .11376 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 4.5092 | 52.316 | .25207 | -.02793 | 2.9109 | .46818 | 1.0939 |
| #2 | 4.5201 | 53.018 | .25563 | -.02889 | 2.9197 | .46987 | 1.0961 |
| #3 | 4.5007 | 52.569 | .25444 | -.02686 | 2.8946 | .46795 | 1.0940 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 24.463 | .01007 | -.07120 | F 16.045 | 2.4272 | .03453 | 5.4384 |
| Stddev | .027   | .00020 | .01021  | .006     | .0305  | .00053 | .0054  |
| %RSD   | .11117 | 1.9442 | 14.340  | .03710   | 1.2566 | 1.5245 | .10010 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 24.438 | .00999 | -.08297 | 16.038 | 2.4019 | .03514 | 5.4324 |
| #2 | 24.460 | .01029 | -.06474 | 16.048 | 2.4611 | .03422 | 5.4399 |
| #3 | 24.492 | .00992 | -.06588 | 16.048 | 2.4187 | .03424 | 5.4430 |



Sample Name: K1654-01      Acquired: 3/1/2019 18:18:12      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SOIL-PILE      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |         |         |          |
|-----------|--------|---------|---------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077  | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm     | ppm     | ppm      |
| Avg       | .14135 | F 11.02 | -.17081 | <.00000 | F<.00000 |
| Stddev    | .00062 | .06     | .00365  | .03958  | 17.780   |
| %RSD      | .44183 | .5072   | 2.1367  | 4.2670  | .23609   |
| #1        | .14166 | 10.96   | -.16677 | -.92444 | -7548.5  |
| #2        | .14063 | 11.05   | -.17386 | -.88970 | -7530.9  |
| #3        | .14176 | 11.06   | -.17179 | -.96867 | -7513.0  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4092.5 | 47231.  | 4675.2  | 14.779  | 3398.8   |
| Stddev    | 2.0    | 143.    | 42.2    | .763    | 1.1      |
| %RSD      | .04786 | .30379  | .90213  | 5.1653  | .03127   |
| #1        | 4094.2 | 47194.  | 4722.3  | 15.079  | 3400.0   |
| #2        | 4090.4 | 47110.  | 4641.0  | 13.911  | 3398.6   |
| #3        | 4093.0 | 47389.  | 4662.3  | 15.347  | 3397.9   |

Sample Name: K1665-01      Acquired: 3/1/2019 18:22:39      Type: Unk  
Method: P4-ICP2(v2905)      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    | .02631 | -.03310 | .21796 | -.36723 | -.03334 | 185.62 | .72551 |
| Stddev | .00500 | .00202  | .00354 | .00392  | .00470  | .75    | .00951 |
| %RSD   | 18.985 | 6.1005  | 1.6250 | 1.0665  | 14.088  | .40465 | 1.3105 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .02535 | -.03370 | .21454 | -.36642 | -.03317 | 185.83 | .73071 |
| #2 | .03172 | -.03085 | .21771 | -.36379 | -.02873 | 186.25 | .73129 |
| #3 | .02186 | -.03476 | .22162 | -.37149 | -.03812 | 184.79 | .71454 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02695 | .01727 | 69.223 | .41374 | .05454 | .21932 | 444.93 |
| Stddev | .00025 | .00070 | .699   | .00088 | .00021 | .00195 | 3.75   |
| %RSD   | .93316 | 4.0252 | 1.0104 | .21264 | .39238 | .88844 | .84208 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02719 | .01785 | 69.462 | .41475 | .05430 | .21864 | 446.63 |
| #2 | .02669 | .01650 | 69.771 | .41336 | .05460 | .21779 | 447.52 |
| #3 | .02697 | .01746 | 68.435 | .41312 | .05471 | .22151 | 440.63 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.2221 | 22.185 | .10725 | -.05486 | 12.237 | .50442 | .68924 |
| Stddev | .0015  | .042   | .00009 | .00116  | .115   | .00185 | .00298 |
| %RSD   | .12185 | .18863 | .08668 | 2.1230  | .94015 | .36592 | .43252 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.2224 | 22.230 | .10718 | -.05521 | 12.259 | .50465 | .69129 |
| #2 | 1.2205 | 22.177 | .10736 | -.05356 | 12.339 | .50246 | .68582 |
| #3 | 1.2234 | 22.147 | .10722 | -.05580 | 12.112 | .50613 | .69062 |

|        |        |         |         |        |        |        |        |
|--------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 6.9276 | -.00309 | -.34175 | 4.9493 | 4.0394 | .01833 | .64241 |
| Stddev | .0433  | .00007  | .02152  | .0371  | .0194  | .00240 | .00587 |
| %RSD   | .62536 | 2.3356  | 6.2976  | .74986 | .47957 | 13.100 | .91418 |

|    |        |         |         |        |        |        |        |
|----|--------|---------|---------|--------|--------|--------|--------|
| #1 | 6.9192 | -.00302 | -.31842 | 4.9730 | 4.0475 | .02076 | .64460 |
| #2 | 6.9745 | -.00317 | -.34601 | 4.9065 | 4.0173 | .01827 | .63575 |
| #3 | 6.8890 | -.00308 | -.36083 | 4.9684 | 4.0534 | .01596 | .64687 |

Sample Name: K1665-01      Acquired: 3/1/2019 18:22:39      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .09892 | 9.615  | -.19910 | <.00000 | F<.00000 |
| Stddev    | .00046 | .030   | .00445  | .18214  | 62.968   |
| %RSD      | .46474 | .3077  | 2.2351  | 11.914  | .45305   |
| #1        | .09839 | 9.611  | -.20173 | -1.4621 | -13876.  |
| #2        | .09923 | 9.587  | -.20162 | -1.3894 | -13850.  |
| #3        | .09914 | 9.646  | -.19397 | -1.7349 | -13970.  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 3794.4 | 43899. | 4404.4  | 17.293  | 3331.1   |
| Stddev    | 10.0   | 196.   | 50.3    | .649    | 9.4      |
| %RSD      | .26274 | .44558 | 1.1427  | 3.7553  | .28268   |
| #1        | 3784.0 | 43771. | 4381.8  | 16.545  | 3322.2   |
| #2        | 3803.9 | 43802. | 4369.4  | 17.717  | 3341.0   |
| #3        | 3795.2 | 44124. | 4462.1  | 17.617  | 3330.2   |

Sample Name: K1665-03      Acquired: 3/1/2019 18:27:08      Type: Unk  
Method: P4-ICP2(v2905)      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    | .19516 | -.20289 | .84665 | -.39531 | -.02821 | 527.50 | 3.2973 |
| Stddev | .00539 | .00214  | .00927 | .00267  | .00410  | 1.67   | .0164  |
| %RSD   | 2.7616 | 1.0526  | 1.0953 | .67540  | 14.530  | .31655 | .49767 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .20099 | -.20470 | .84366 | -.39436 | -.03177 | 529.02 | 3.3159 |
| #2 | .19414 | -.20342 | .83923 | -.39324 | -.02373 | 525.71 | 3.2913 |
| #3 | .19036 | -.20053 | .85705 | -.39832 | -.02914 | 527.78 | 3.2848 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05084 | .05248 | 29.268 | .72536 | .55911 | .68145 | 394.27 |
| Stddev | .00028 | .00064 | .054   | .00217 | .00124 | .00181 | 1.92   |
| %RSD   | .56045 | 1.2215 | .18299 | .29954 | .22176 | .26591 | .48776 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05110 | .05299 | 29.330 | .72591 | .55870 | .68123 | 394.15 |
| #2 | .05053 | .05176 | 29.241 | .72721 | .55814 | .67976 | 396.25 |
| #3 | .05090 | .05269 | 29.233 | .72297 | .56051 | .68337 | 392.41 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 16.245 | 166.99 | .82321 | -.06416 | 21.191 | 1.2885 | 2.7530 |
| Stddev | .093   | 1.28   | .00313 | .00173  | .119   | .0011  | .0065  |
| %RSD   | .57354 | .76876 | .37993 | 2.6888  | .56257 | .08867 | .23604 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 16.156 | 168.28 | .82214 | -.06299 | 21.326 | 1.2873 | 2.7602 |
| #2 | 16.342 | 166.96 | .82075 | -.06614 | 21.147 | 1.2896 | 2.7477 |
| #3 | 16.238 | 165.72 | .82673 | -.06336 | 21.101 | 1.2886 | 2.7511 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 111.67 | .00395 | -.29867 | 1.6803 | 2.8282 | .06464 | 8.1936 |
| Stddev | .59    | .00048 | .00937  | .0132  | .0188  | .00105 | .0021  |
| %RSD   | .53167 | 12.079 | 3.1362  | .78355 | .66425 | 1.6191 | .02582 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 112.32 | .00450 | -.30942 | 1.6908 | 2.8066 | .06348 | 8.1960 |
| #2 | 111.50 | .00370 | -.29226 | 1.6845 | 2.8407 | .06492 | 8.1921 |
| #3 | 111.17 | .00365 | -.29432 | 1.6655 | 2.8372 | .06552 | 8.1926 |

Sample Name: K1665-03      Acquired: 3/1/2019 18:27:08      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .88296 | F 13.33 | .06895 | <.00000 | F<.00000 |
| Stddev    | .00015 | .00     | .00306 | .16363  | 34.312   |
| %RSD      | .01740 | .0315   | 4.4392 | 2.3626  | .19785   |
| #1        | .88290 | 13.33   | .07169 | -6.7467 | -17304.  |
| #2        | .88286 | 13.34   | .06565 | -7.0676 | -17355.  |
| #3        | .88314 | 13.33   | .06951 | -6.9628 | -17369.  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 4668.8 | 52938.  | 5460.3 | 15.896  | 3008.1   |
| Stddev    | 1.4    | 61.     | 27.2   | .891    | 4.5      |
| %RSD      | .02977 | .11430  | .49745 | 5.6042  | .14831   |
| #1        | 4668.3 | 52893.  | 5438.9 | 15.386  | 3002.9   |
| #2        | 4670.4 | 52913.  | 5451.2 | 15.378  | 3010.6   |
| #3        | 4667.7 | 53007.  | 5490.8 | 16.925  | 3010.7   |

Sample Name: K1665-05      Acquired: 3/1/2019 18:31:42      Type: Unk  
Method: P4-ICP2(v2905)      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    | .04351 | -.21535 | 1.0788 | -.30130 | -.02058 | 519.08 | 3.3535 |
| Stddev | .00351 | .00516  | .0024  | .00182  | .00230  | .38    | .0092  |
| %RSD   | 8.0700 | 2.3941  | .21812 | .60322  | 11.201  | .07230 | .27340 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03961 | -.21981 | 1.0777 | -.30036 | -.01945 | 519.48 | 3.3640 |
| #2 | .04642 | -.20970 | 1.0815 | -.30014 | -.02323 | 518.74 | 3.3495 |
| #3 | .04451 | -.21654 | 1.0773 | -.30339 | -.01905 | 519.02 | 3.3470 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04587 | .04780 | 21.983 | .61426 | .51156 | .60373 | 326.04 |
| Stddev | .00015 | .00005 | .148   | .00195 | .00173 | .00204 | 2.78   |
| %RSD   | .32293 | .09958 | .67320 | .31742 | .33751 | .33847 | .85416 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04598 | .04774 | 21.892 | .61230 | .51133 | .60348 | 325.51 |
| #2 | .04570 | .04783 | 21.904 | .61428 | .50997 | .60182 | 323.56 |
| #3 | .04593 | .04781 | 22.154 | .61620 | .51340 | .60588 | 329.06 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 13.629 | 131.46 | .82358 | -.04869 | 20.922 | .72640 | 4.1697 |
| Stddev | .105   | .35    | .00197 | .00056  | .050   | .00271 | .0030  |
| %RSD   | .77005 | .26777 | .23899 | 1.1556  | .23723 | .37328 | .07220 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 13.598 | 131.54 | .82167 | -.04882 | 20.942 | .72681 | 4.1663 |
| #2 | 13.542 | 131.08 | .82347 | -.04808 | 20.865 | .72350 | 4.1722 |
| #3 | 13.746 | 131.77 | .82560 | -.04918 | 20.958 | .72887 | 4.1705 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 94.313 | .00401 | -.11598 | 1.7665 | 1.4140 | .07839 | 8.5005 |
| Stddev | .233   | .00024 | .00847  | .0199  | .0173  | .00318 | .0111  |
| %RSD   | .24746 | 5.9180 | 7.3060  | 1.1259 | 1.2218 | 4.0594 | .13022 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 94.441 | .00405 | -.11449 | 1.7436 | 1.3944 | .08196 | 8.5011 |
| #2 | 94.044 | .00376 | -.12510 | 1.7792 | 1.4205 | .07737 | 8.4892 |
| #3 | 94.455 | .00423 | -.10835 | 1.7768 | 1.4272 | .07584 | 8.5113 |

Sample Name: K1665-05      Acquired: 3/1/2019 18:31:42      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .99814 | 9.319  | .07171 | <.00000 | F<.00000 |
| Stddev | .00037 | .040   | .00169 | .15740  | 77.609   |
| %RSD   | .03737 | .4238  | 2.3529 | 1.9248  | .53209   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .99821 | 9.275 | .07157 | -8.2978 | -14512. |
| #2 | .99848 | 9.333 | .07346 | -7.9995 | -14667. |
| #3 | .99774 | 9.351 | .07010 | -8.2358 | -14578. |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 5134.2 | 57764. | 5937.7 | 15.178 | 3038.8 |
| Stddev    | 4.6    | 73.    | 24.1   | .395   | 2.4    |
| %RSD      | .08892 | .12621 | .40532 | 2.5991 | .07903 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 5129.3 | 57768. | 5945.6 | 15.519 | 3036.1 |
| #2 | 5138.4 | 57834. | 5956.8 | 15.270 | 3040.3 |
| #3 | 5134.8 | 57689. | 5910.6 | 14.746 | 3040.2 |

Sample Name: K1665-07      Acquired: 3/1/2019 18:36:17      Type: Unk  
Method: P4-ICP2(v2905)      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    | .15611 | -.10112 | 1.0400 | -.30178 | -.02052 | 441.22 | 2.6871 |
| Stddev | .00243 | .00217  | .0064  | .00218  | .00089  | 20.07  | .0141  |
| %RSD   | 1.5545 | 2.1422  | .61894 | .72266  | 4.3570  | 4.5486 | .52304 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .15891 | -.10015 | 1.0341 | -.30110 | -.01956 | 418.05 | 2.6981 |
| #2 | .15470 | -.10361 | 1.0468 | -.30421 | -.02066 | 453.25 | 2.6712 |
| #3 | .15471 | -.09961 | 1.0390 | -.30001 | -.02134 | 452.36 | 2.6919 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03555 | .02947 | 20.579 | .56911 | .31498 | .52433 | 355.02 |
| Stddev | .00204 | .00037 | .082   | .03466 | .00029 | .00337 | 1.30   |
| %RSD   | 5.7439 | 1.2556 | .39924 | 6.0902 | .09243 | .64362 | .36538 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03321 | .02904 | 20.561 | .52910 | .31465 | .52043 | 355.38 |
| #2 | .03645 | .02972 | 20.507 | .58856 | .31511 | .52625 | 353.58 |
| #3 | .03698 | .02963 | 20.669 | .58968 | .31518 | .52630 | 356.10 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.0087 | 105.70 | .59777 | -.04015 | 21.181 | .98905 | 3.5199 |
| Stddev | .1412  | .61    | .00123 | .00497  | .077   | .05745 | .0031  |
| %RSD   | 1.7638 | .57598 | .20574 | 12.379  | .36310 | 5.8088 | .08920 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.8456 | 106.40 | .59811 | -.03441 | 21.262 | .92271 | 3.5234 |
| #2 | 8.0918 | 105.39 | .59879 | -.04313 | 21.109 | 1.0227 | 3.5173 |
| #3 | 8.0886 | 105.32 | .59640 | -.04289 | 21.172 | 1.0217 | 3.5191 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 58.415 | .02603 | -.19490 | 3.3361 | 2.6489 | .05568 | 4.3286 |
| Stddev | .225   | .00051 | .01398  | .0130  | .0334  | .00063 | .0228  |
| %RSD   | .38479 | 1.9499 | 7.1748  | .38851 | 1.2623 | 1.1293 | .52672 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 58.602 | .02560 | -.19881 | 3.3231 | 2.6717 | .05582 | 4.3101 |
| #2 | 58.166 | .02591 | -.20650 | 3.3362 | 2.6105 | .05500 | 4.3541 |
| #3 | 58.477 | .02659 | -.17937 | 3.3490 | 2.6644 | .05623 | 4.3216 |



Sample Name: K1665-07      Acquired: 3/1/2019 18:36:17      Type: Unk  
Method: P4-ICP2(v2905)      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       | .53718 | F 10.97 | -.08150 | <.00000 | F<.00000 |
| Stddev    | .00076 | .03     | .00076  | .98006  | 184.14   |
| %RSD      | .14219 | .2820   | .92678  | 18.452  | 1.4474   |
| #1        | .53741 | 10.94   | -.08121 | -6.3965 | -12513.  |
| #2        | .53633 | 10.97   | -.08236 | -4.4905 | -12856.  |
| #3        | .53781 | 11.00   | -.08094 | -5.0472 | -12800.  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710  | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S   | Cts/S   | Cts/S    |
| Avg       | 4495.0 | 52178.  | 5148.2  | 14.469  | 3158.7   |
| Stddev    | 8.2    | 2407.   | 28.1    | 1.653   | 4.5      |
| %RSD      | .18153 | 4.6139  | .54608  | 11.422  | .14352   |
| #1        | 4497.5 | 54958.  | 5129.8  | 15.160  | 3153.9   |
| #2        | 4485.8 | 50763.  | 5180.6  | 15.665  | 3159.4   |
| #3        | 4501.6 | 50813.  | 5134.3  | 12.583  | 3162.8   |

Sample Name: K1627-01      Acquired: 3/1/2019 18:40:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-01-(0-6)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .12086 | -.04048 | 1.0448 | -.10971 | -.01180 | 147.38 | .72587 |
| Stddev | .00351 | .00229  | .0027  | .00492  | .00109  | 1.24   | .00938 |
| %RSD   | 2.9066 | 5.6600  | .26214 | 4.4812  | 9.2349  | .84098 | 1.2917 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .12406 | -.03802 | 1.0423 | -.11179 | -.01054 | 145.95 | .73062 |
| #2 | .11710 | -.04087 | 1.0445 | -.11324 | -.01251 | 148.18 | .73193 |
| #3 | .12143 | -.04255 | 1.0477 | -.10409 | -.01234 | 147.99 | .71507 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00765 | .00207 | 73.106 | .24598 | .07787 | .50464 | 195.51 |
| Stddev | .00005 | .00042 | .471   | .00264 | .00015 | .00194 | 2.38   |
| %RSD   | .68688 | 20.237 | .64403 | 1.0724 | .18818 | .38446 | 1.2191 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00767 | .00159 | 73.501 | .24746 | .07775 | .50372 | 197.94 |
| #2 | .00769 | .00226 | 73.233 | .24755 | .07781 | .50334 | 195.39 |
| #3 | .00759 | .00237 | 72.585 | .24294 | .07803 | .50687 | 193.18 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.2600 | 31.644 | .17495 | -.01172 | .72664 | .30273 | 1.6026 |
| Stddev | .0037  | .313   | .00007 | .00020  | .02204 | .00193 | .0023  |
| %RSD   | .11289 | .98900 | .03993 | 1.6769  | 3.0329 | .63881 | .14202 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.2559 | 31.828 | .17501 | -.01160 | .71817 | .30214 | 1.6051 |
| #2 | 3.2610 | 31.822 | .17488 | -.01162 | .75166 | .30490 | 1.6005 |
| #3 | 3.2631 | 31.283 | .17497 | -.01195 | .71010 | .30117 | 1.6023 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.7987 | .00908 | -.00851 | 6.1769 | 8.1299 | .04224 | 2.6615 |
| Stddev | .1043  | .00036 | .00579  | .0307  | .0930  | .00176 | .0052  |
| %RSD   | 1.0648 | 3.9603 | 68.048  | .49752 | 1.1439 | 4.1679 | .19379 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 9.8627 | .00943 | -.00336 | 6.1474 | 8.2268 | .04420 | 2.6591 |
| #2 | 9.8551 | .00909 | -.00739 | 6.1745 | 8.1216 | .04079 | 2.6674 |
| #3 | 9.6783 | .00871 | -.01478 | 6.2088 | 8.0413 | .04173 | 2.6579 |

Sample Name: K1627-01      Acquired: 3/1/2019 18:40:50      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-01-(0-6)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .11771 | F 11.24 | .13980 | 2.4557 | F<.00000 |
| Stddev | .00044 | .04     | .00070 | .1596  | 47.767   |
| %RSD   | .37073 | .3657   | .49723 | 6.4978 | 1.1952   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .11742 | 11.19 | .13908 | 2.3118 | -4037.4 |
| #2 | .11821 | 11.26 | .13984 | 2.4278 | -3944.1 |
| #3 | .11749 | 11.26 | .14047 | 2.6273 | -4008.5 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3585.1 | 41851. | 4068.1 | 16.729 | 3516.4 |
| Stddev    | 5.3    | 168.   | 50.4   | .716   | 2.6    |
| %RSD      | .14922 | .40030 | 1.2382 | 4.2783 | .07402 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3582.3 | 41992. | 4018.6 | 17.024 | 3513.4 |
| #2 | 3591.2 | 41666. | 4066.4 | 17.250 | 3518.0 |
| #3 | 3581.6 | 41894. | 4119.3 | 15.913 | 3517.9 |

Sample Name: K1627-02      Acquired: 3/1/2019 18:45:19      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-01-(6-2)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .13880 | -.03239 | 1.0284 | -.08972 | -.00909 | 154.75 | .57384 |
| Stddev | .00566 | .00095  | .0051  | .00251  | .00366  | .73    | .00372 |
| %RSD   | 4.0813 | 2.9464  | .49284 | 2.7965  | 40.251  | .47366 | .64908 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .14439 | -.03138 | 1.0272 | -.09116 | -.01311 | 153.95 | .57634 |
| #2 | .13894 | -.03327 | 1.0339 | -.08682 | -.00818 | 155.39 | .56956 |
| #3 | .13306 | -.03252 | 1.0240 | -.09118 | -.00597 | 154.90 | .57563 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00723 | .00064 | 66.511 | .21433 | .06774 | .33303 | 174.59 |
| Stddev | .00012 | .00046 | .384   | .00225 | .00055 | .00285 | 1.93   |
| %RSD   | 1.6114 | 71.974 | .57684 | 1.0484 | .80953 | .85557 | 1.1042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00715 | .00094 | 66.142 | .21317 | .06754 | .33216 | 173.08 |
| #2 | .00717 | .00087 | 66.483 | .21289 | .06836 | .33621 | 173.92 |
| #3 | .00736 | .00011 | 66.908 | .21691 | .06731 | .33071 | 176.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.8361 | 29.657 | .15103 | -.01044 | .66590 | .29828 | .97706 |
| Stddev | .0051  | .276   | .00187 | .00062  | .00998 | .00199 | .00172 |
| %RSD   | .17893 | .92976 | 1.2394 | 5.9509  | 1.4980 | .66773 | .17592 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.8330 | 29.558 | .14983 | -.01072 | .66049 | .30006 | .97650 |
| #2 | 2.8333 | 29.444 | .15319 | -.00973 | .65979 | .29613 | .97899 |
| #3 | 2.8419 | 29.968 | .15008 | -.01087 | .67741 | .29867 | .97570 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.9433 | .00527 | -.01649 | 2.4019 | 2.0150 | .03010 | 2.0795 |
| Stddev | .0196  | .00042 | .00153  | .0293  | .0317  | .00122 | .0081  |
| %RSD   | .24642 | 7.9311 | 9.2988  | 1.2208 | 1.5723 | 4.0656 | .39042 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 7.9590 | .00575 | -.01742 | 2.3792 | 2.0136 | .02955 | 2.0743 |
| #2 | 7.9496 | .00508 | -.01733 | 2.3914 | 1.9841 | .03150 | 2.0753 |
| #3 | 7.9214 | .00498 | -.01472 | 2.4350 | 2.0474 | .02924 | 2.0888 |

Sample Name: K1627-02      Acquired: 3/1/2019 18:45:19      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-01-(6-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .11682 | 7.707  | .04174 | 2.6856 | F<.00000 |
| Stddev | .00242 | .045   | .00175 | .1568  | 25.610   |
| %RSD   | 2.0699 | .5882  | 4.1896 | 5.8377 | .73558   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .11811 | 7.693 | .04344 | 2.6357 | -3491.4 |
| #2 | .11832 | 7.758 | .04182 | 2.8613 | -3452.5 |
| #3 | .11403 | 7.670 | .03995 | 2.5599 | -3500.8 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3612.7 | 41701. | 4071.4 | 17.102 | 3544.4 |
| Stddev    | 2.7    | 86.    | 22.2   | 1.961  | 5.1    |
| %RSD      | .07395 | .20608 | .54433 | 11.468 | .14287 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3610.2 | 41785. | 4080.4 | 18.653 | 3546.3 |
| #2 | 3615.5 | 41614. | 4087.6 | 14.897 | 3538.6 |
| #3 | 3612.5 | 41705. | 4046.1 | 17.755 | 3548.2 |

Sample Name: K1627-03      Acquired: 3/1/2019 18:49:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-02-(2-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03636 | -.07947 | .54845 | -.14134 | -.01283 | 97.975 | .66325 |
| Stddev | .00404 | .00089  | .00290 | .00712  | .00322  | .680   | .00237 |
| %RSD   | 11.102 | 1.1234  | .52814 | 5.0367  | 25.090  | .69404 | .35695 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03259 | -.07872 | .54972 | -.14234 | -.01652 | 97.715 | .66155 |
| #2 | .04062 | -.07924 | .55049 | -.14790 | -.01058 | 98.746 | .66224 |
| #3 | .03588 | -.08046 | .54513 | -.13377 | -.01139 | 97.463 | .66595 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00701 | .00616 | 507.33 | .23415 | .10676 | .71834 | 209.75 |
| Stddev | .00018 | .00008 | 2.39   | .00131 | .00035 | .00230 | .46    |
| %RSD   | 2.5021 | 1.2795 | .47167 | .55968 | .33184 | .32057 | .21882 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00717 | .00618 | 505.31 | .23559 | .10638 | .71740 | 209.28 |
| #2 | .00704 | .00607 | 509.97 | .23304 | .10681 | .72096 | 209.79 |
| #3 | .00682 | .00622 | 506.71 | .23380 | .10708 | .71665 | 210.19 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.5604 | 231.91 | .19824 | -.02179 | 2.5210 | .37542 | 1.0803 |
| Stddev | .0006  | .36    | .00064 | .00038  | .0025  | .00285 | .0019  |
| %RSD   | .01835 | .15538 | .32375 | 1.7371  | .09986 | .75927 | .17494 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.5602 | 232.17 | .19889 | -.02138 | 2.5187 | .37866 | 1.0782 |
| #2 | 3.5611 | 231.49 | .19824 | -.02212 | 2.5206 | .37431 | 1.0819 |
| #3 | 3.5599 | 232.05 | .19761 | -.02186 | 2.5237 | .37330 | 1.0809 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.702 | .00630 | -.00158 | 7.5803 | 1.7928 | .02751 | 4.6646 |
| Stddev | .043   | .00051 | .00354  | .0343  | .0116  | .00204 | .0165  |
| %RSD   | .31497 | 8.0244 | 224.21  | .45314 | .64918 | 7.4110 | .35426 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 13.693 | .00612 | -.00427 | 7.5463 | 1.7942 | .02689 | 4.6577 |
| #2 | 13.750 | .00687 | .00243  | 7.5795 | 1.7805 | .02979 | 4.6527 |
| #3 | 13.665 | .00591 | -.00290 | 7.6150 | 1.8037 | .02586 | 4.6835 |

Sample Name: K1627-03      Acquired: 3/1/2019 18:49:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-02-(2-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .18205 | 8.383  | .31554 | 2.9040 | F<.00000 |
| Stddev | .00196 | .013   | .00234 | .1408  | 29.535   |
| %RSD   | 1.0775 | .1587  | .74119 | 4.8488 | .64222   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .18050 | 8.374 | .31424 | 2.7421 | -4579.4 |
| #2 | .18425 | 8.398 | .31824 | 2.9722 | -4584.3 |
| #3 | .18139 | 8.376 | .31413 | 2.9978 | -4632.8 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3430.2 | 40182. | 4058.7 | 15.696 | 3137.9 |
| Stddev    | 9.2    | 74.    | 8.5    | 1.021  | 2.2    |
| %RSD      | .26856 | .18398 | .21053 | 6.5067 | .06940 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3429.1 | 40156. | 4061.2 | 16.507 | 3140.4 |
| #2 | 3421.5 | 40125. | 4065.8 | 16.031 | 3136.5 |
| #3 | 3439.9 | 40266. | 4049.2 | 14.549 | 3136.7 |

Sample Name: K1627-04      Acquired: 3/1/2019 18:54:05      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-02-(5-10) Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .04199 | -.05096 | 8.9626 | -.07430 | -.01125 | 75.040 | .78407 |
| Stddev | .00180 | .00068  | .0168  | .00296  | .00383  | .265   | .00903 |
| %RSD   | 4.2791 | 1.3353  | .18691 | 3.9904  | 34.076  | .35269 | 1.1511 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04035 | -.05171 | 8.9775 | -.07291 | -.01236 | 74.736 | .77675 |
| #2 | .04172 | -.05039 | 8.9444 | -.07770 | -.00699 | 75.220 | .78131 |
| #3 | .04391 | -.05078 | 8.9659 | -.07228 | -.01441 | 75.163 | .79416 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00516 | .00452 | 1495.3 | .10793 | .04435 | .09067 | 106.27 |
| Stddev | .00007 | .00002 | 8.4    | .00126 | .00013 | .00056 | .95    |
| %RSD   | 1.2970 | .55011 | .56350 | 1.1679 | .29867 | .62207 | .89786 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00520 | .00451 | 1500.8 | .10648 | .04439 | .09124 | 107.35 |
| #2 | .00508 | .00455 | 1485.6 | .10880 | .04420 | .09011 | 105.56 |
| #3 | .00519 | .00450 | 1499.4 | .10851 | .04446 | .09065 | 105.90 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.5919 | 71.590 | .10863 | -.01676 | 3.3322 | .16405 | 1.9413 |
| Stddev | .0029  | .702   | .00019 | .00022  | .0444  | .00098 | .0037  |
| %RSD   | .11007 | .98100 | .17257 | 1.3294  | 1.3311 | .59884 | .19256 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.5886 | 72.054 | .10846 | -.01699 | 3.3542 | .16393 | 1.9455 |
| #2 | 2.5931 | 70.782 | .10859 | -.01675 | 3.2812 | .16313 | 1.9383 |
| #3 | 2.5939 | 71.935 | .10883 | -.01654 | 3.3613 | .16509 | 1.9400 |

|        |        |        |        |          |        |         |        |
|--------|--------|--------|--------|----------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm     | ppm    |
| Avg    | 11.672 | .00527 | .02966 | F 450.37 | 8.1331 | -.14803 | 3.2192 |
| Stddev | .132   | .00031 | .01517 | 1.66     | .0389  | .00198  | .0037  |
| %RSD   | 1.1325 | 5.8553 | 51.135 | .36805   | .47824 | 1.3388  | .11632 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 11.745 | .00563 | .01288 | 449.81 | 8.1672 | -.14588 | 3.2233 |
| #2 | 11.520 | .00513 | .04239 | 449.07 | 8.0907 | -.14842 | 3.2159 |
| #3 | 11.752 | .00506 | .03372 | 452.24 | 8.1412 | -.14979 | 3.2185 |



Sample Name: K1627-04      Acquired: 3/1/2019 18:54:05      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-02-(5-10) Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .28139 | F 16.01 | 3.2893 | 5.2843 | F<.00000 |
| Stddev | .00036 | .06     | .0225  | .1036  | 6.8857   |
| %RSD   | .12649 | .3702   | .68534 | 1.9601 | .39337   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .28177 | 15.99 | 3.2994 | 5.3163 | -1746.3 |
| #2 | .28107 | 15.96 | 3.2635 | 5.3681 | -1746.6 |
| #3 | .28132 | 16.08 | 3.3050 | 5.1685 | -1758.4 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3179.8 | 36422. | 3766.6 | 13.484 | 3003.2 |
| Stddev    | 8.8    | 88.    | 31.4   | .666   | 13.0   |
| %RSD      | .27695 | .24048 | .83383 | 4.9402 | .43336 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3169.7 | 36393. | 3733.5 | 13.207 | 2988.5 |
| #2 | 3186.2 | 36353. | 3796.0 | 13.001 | 3013.4 |
| #3 | 3183.5 | 36521. | 3770.2 | 14.244 | 3007.6 |

Sample Name: CCV08      Acquired: 3/1/2019 18:58:17      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.2102 | 4.9165 | 5.0402 | 5.1668 | 5.2583 | 10.037 | 9.6979 |
| Stddev | .0172  | .0145  | .0087  | .0149  | .0088  | .100   | .0509  |
| %RSD   | .32957 | .29437 | .17286 | .28870 | .16799 | .99414 | .52471 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.2285 | 4.9292 | 5.0490 | 5.1840 | 5.2684 | 9.9765 | 9.7091 |
| #2 | 5.1945 | 4.9196 | 5.0400 | 5.1587 | 5.2545 | 9.9834 | 9.7422 |
| #3 | 5.2076 | 4.9008 | 5.0316 | 5.1576 | 5.2520 | 10.153 | 9.6423 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25113 | 2.4248 | 23.896 | .98918 | 2.5116 | 1.2610 | 5.0650 |
| Stddev | .00064 | .0020  | .109   | .00226 | .0031  | .0044  | .0603  |
| %RSD   | .25394 | .08339 | .45794 | .22797 | .12338 | .34791 | 1.1901 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25185 | 2.4252 | 23.787 | .98935 | 2.5117 | 1.2661 | 5.0797 |
| #2 | .25090 | 2.4265 | 23.896 | .98685 | 2.5146 | 1.2580 | 5.1166 |
| #3 | .25063 | 2.4226 | 24.006 | .99135 | 2.5084 | 1.2590 | 4.9988 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5133 | 25.738 | 2.5791 | 1.3052 | 24.186 | 2.4427 | 2.5257 |
| Stddev | .0060  | .288   | .0018  | .0009  | .129   | .0075  | .0031  |
| %RSD   | .23900 | 1.1189 | .07010 | .07186 | .53294 | .30694 | .12404 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.5202 | 25.712 | 2.5806 | 1.3056 | 24.184 | 2.4514 | 2.5280 |
| #2 | 2.5093 | 26.038 | 2.5771 | 1.3059 | 24.315 | 2.4384 | 2.5269 |
| #3 | 2.5104 | 25.464 | 2.5796 | 1.3041 | 24.058 | 2.4385 | 2.5221 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 23.988 | 5.1851 | 4.5594 | 5.0079 | 4.8373 | 4.8928 | 4.9744 |
| Stddev | .122   | .0179  | .0347  | .0207  | .0378  | .0011  | .0081  |
| %RSD   | .51054 | .34474 | .76034 | .41379 | .78230 | .02261 | .16384 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 24.010 | 5.2038 | 4.5663 | 5.0205 | 4.8563 | 4.8916 | 4.9708 |
| #2 | 24.098 | 5.1832 | 4.5901 | 5.0193 | 4.8619 | 4.8931 | 4.9837 |
| #3 | 23.856 | 5.1682 | 4.5218 | 4.9840 | 4.7937 | 4.8937 | 4.9686 |

Sample Name: CCV08      Acquired: 3/1/2019 18:58:17      Type: Unk  
 Method: P4-ICP2(v2905)      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       | 4.8306 | 4.881  | 4.9428 | 5.1886 | F<.00000 |
| Stddev    | .0258  | .004   | .0217  | .0243  | 3.9848   |
| %RSD      | .53470 | .0725  | .43936 | .46750 | 108.20   |
| #1        | 4.8271 | 4.880  | 4.9511 | 5.2123 | -4.7693  |
| #2        | 4.8580 | 4.878  | 4.9592 | 5.1638 | .73242   |
| #3        | 4.8067 | 4.885  | 4.9182 | 5.1897 | -7.0118  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3400.8 | 39484. | 3787.4 | 17.163 | 3620.9   |
| Stddev    | 13.2   | 76.    | 39.9   | .449   | 8.9      |
| %RSD      | .38929 | .19328 | 1.0543 | 2.6188 | .24623   |
| #1        | 3386.9 | 39402. | 3767.5 | 17.496 | 3613.1   |
| #2        | 3402.3 | 39552. | 3761.3 | 16.652 | 3618.9   |
| #3        | 3413.3 | 39499. | 3833.4 | 17.342 | 3630.6   |

Sample Name: CCB08      Acquired: 3/1/2019 19:02:16      Type: Unk  
Method: P4-ICP2(v2905)      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   | .00029  | -.00008 | .00254  | -.00089 | -.00308 | -.01087 | .00010   |
| Stddev | .00031   | .00178  | .00038  | .00103  | .00224  | .00096  | .00080  | .00004   |
| %RSD   | 11.979   | 609.23  | 470.13  | 40.513  | 251.88  | 31.181  | 7.3445  | 37.061   |
| #1     | .00296   | -.00171 | -.00033 | .00146  | .00105  | -.00330 | -.01099 | .00010   |
| #2     | .00253   | .00168  | .00035  | .00267  | -.00038 | -.00203 | -.01160 | .00014   |
| #3     | .00235   | .00091  | -.00027 | .00351  | -.00334 | -.00391 | -.01002 | .00007   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00001   | -.00554 | .00044  | -.00014 | .00014  | -.00174 | .00002  | .05805   |
| Stddev | .00008   | .02240  | .00035  | .00006  | .00045  | .00117  | .00004  | .04858   |
| %RSD   | 1474.6   | 404.72  | 79.287  | 41.808  | 314.99  | 67.624  | 157.00  | 83.685   |
| #1     | -.00002  | -.03073 | .00082  | -.00016 | .00017  | -.00155 | .00006  | .09854   |
| #2     | .00010   | .00199  | .00037  | -.00007 | .00057  | -.00067 | -.00002 | .00419   |
| #3     | -.00006  | .01213  | .00013  | -.00018 | -.00032 | -.00299 | .00003  | .07142   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00011   | .00038  | -.02933 | -.00002 | -.00037 | .14293  | .00026  | .01496   |
| Stddev | .00055   | .00042  | .00380  | .00013  | .00011  | .04711  | .00043  | .00198   |
| %RSD   | 497.29   | 110.45  | 12.960  | 640.72  | 29.732  | 32.960  | 164.88  | 13.263   |
| #1     | .00072   | -.00010 | -.02888 | .00009  | -.00045 | .13515  | .00023  | .01515   |
| #2     | -.00035  | .00059  | -.03333 | -.00016 | -.00043 | .19344  | .00071  | .01684   |
| #3     | -.00003  | .00065  | -.02577 | .00001  | -.00024 | .10019  | -.00015 | .01288   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04170 | .00623  | .00028  | .00116  | -.00459 | -.0037  | .00013  | F 4.0886 |
| Stddev | .00151   | .00060  | .00073  | .00046  | .00103  | .0010   | .00013  | .2757    |
| %RSD   | 3.6119   | 9.6955  | 260.55  | 39.597  | 22.428  | 26.95   | 95.776  | 6.7418   |
| #1     | .04336   | .00565  | -.00055 | .00076  | -.00512 | -.0027  | .00027  | 4.1202   |
| #2     | .04042   | .00619  | .00056  | .00166  | -.00341 | -.0037  | .00004  | 3.7986   |
| #3     | .04132   | .00686  | .00084  | .00105  | -.00525 | -.0047  | .00008  | 4.3471   |

Sample Name: CCB08      Acquired: 3/1/2019 19:02:16      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 6.7475 |
| Stddev | 1.9572   |
| %RSD   | 29.007   |

|    |        |
|----|--------|
| #1 | 7.3140 |
| #2 | 8.3591 |
| #3 | 4.5696 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3506.6 | 40832. | 3827.6 | 16.914 | 4028.7 |
| Stddev    | 7.2    | 147.   | 29.8   | 1.175  | 9.0    |
| %RSD      | .20487 | .35981 | .77765 | 6.9493 | .22331 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3498.6 | 40678. | 3805.6 | 15.683 | 4019.2 |
| #2 | 3512.3 | 40970. | 3861.5 | 18.025 | 4029.8 |
| #3 | 3509.0 | 40847. | 3815.6 | 17.033 | 4037.1 |

Sample Name: K1627-05      Acquired: 3/1/2019 19:06:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-03-(0-2)      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |         |         |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | -.01223 | -.83229 | .59211 | -.34413 | -.01587 | 383.56 | 10.815 |
| Stddev | .00405  | .00164  | .00174 | .00378  | .00332  | .61    | .039   |
| %RSD   | 33.103  | .19654  | .29348 | 1.0993  | 20.933  | .15901 | .36350 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.01562 | -.83332 | .59060 | -.34045 | -.01708 | 383.53 | 10.847 |
| #2 | -.00775 | -.83040 | .59172 | -.34801 | -.01841 | 384.19 | 10.771 |
| #3 | -.01334 | -.83314 | .59400 | -.34392 | -.01211 | 382.97 | 10.828 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .01559 | .02597 | 161.89 | F 2.3208 | .39427 | 1.4921 | 408.69 |
| Stddev | .00034 | .00057 | 1.18   | .0045    | .00084 | .0056  | 3.12   |
| %RSD   | 2.1645 | 2.1889 | .72786 | .19368   | .21245 | .37267 | .76452 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01598 | .02662 | 162.29 | 2.3161 | .39419 | 1.4864 | 408.17 |
| #2 | .01537 | .02556 | 160.57 | 2.3212 | .39515 | 1.4975 | 405.86 |
| #3 | .01543 | .02573 | 162.82 | 2.3250 | .39348 | 1.4924 | 412.05 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4905 | 315.31 | 1.3500 | -.08179 | 3.6885 | 1.3192 | 2.8784 |
| Stddev | .0179  | .66    | .0007  | .00021  | .0145  | .0095  | .0187  |
| %RSD   | .27570 | .21036 | .05217 | .25574  | .39353 | .72262 | .64800 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.5088 | 314.82 | 1.3498 | -.08203 | 3.6756 | 1.3244 | 2.8999 |
| #2 | 6.4731 | 315.05 | 1.3495 | -.08166 | 3.7042 | 1.3082 | 2.8671 |
| #3 | 6.4895 | 316.07 | 1.3508 | -.08168 | 3.6858 | 1.3250 | 2.8681 |

|        |        |        |         |        |        |        |          |
|--------|--------|--------|---------|--------|--------|--------|----------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg    | 242.55 | .02944 | -.27498 | 6.8128 | 1.4803 | .11026 | F 52.362 |
| Stddev | .43    | .00057 | .01521  | .0163  | .0130  | .00221 | .357     |
| %RSD   | .17851 | 1.9232 | 5.5306  | .23898 | .87532 | 2.0001 | .68163   |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 242.69 | .02922 | -.25743 | 6.8143 | 1.4818 | .11240 | 52.512 |
| #2 | 242.07 | .02901 | -.28349 | 6.8282 | 1.4666 | .11040 | 51.955 |
| #3 | 242.90 | .03008 | -.28403 | 6.7958 | 1.4924 | .10799 | 52.620 |

Sample Name: K1627-05      Acquired: 3/1/2019 19:06:44      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-03-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .42592 | F 43.81 | .36454 | .79250 | F<.00000 |
| Stddev    | .00080 | .20     | .00234 | .07222 | 32.360   |
| %RSD      | .18731 | .4469   | .64084 | 9.1128 | .27474   |
| #1        | .42557 | 44.02   | .36723 | .83713 | -11742.  |
| #2        | .42683 | 43.75   | .36328 | .70918 | -11802.  |
| #3        | .42535 | 43.64   | .36310 | .83119 | -11791.  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3519.9 | 40707.  | 4122.8 | 15.651 | 2978.5   |
| Stddev    | 2.5    | 47.     | 27.4   | .485   | 14.1     |
| %RSD      | .07127 | .11489  | .66470 | 3.0956 | .47252   |
| #1        | 3517.2 | 40657.  | 4111.6 | 15.158 | 2962.2   |
| #2        | 3520.5 | 40750.  | 4154.0 | 16.127 | 2986.8   |
| #3        | 3522.1 | 40715.  | 4102.8 | 15.669 | 2986.4   |

Sample Name: K1627-06      Acquired: 3/1/2019 19:11:20      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-03-(2-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .09146 | -.05131 | 2.0430 | -.11622 | -.01264 | 151.66 | 1.1462 |
| Stddev | .00294 | .00215  | .0130  | .00415  | .00131  | .59    | .0074  |
| %RSD   | 3.2126 | 4.1905  | .63818 | 3.5697  | 10.365  | .38703 | .64645 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .09035 | -.04943 | 2.0279 | -.11979 | -.01130 | 151.15 | 1.1514 |
| #2 | .08923 | -.05084 | 2.0509 | -.11721 | -.01391 | 152.31 | 1.1494 |
| #3 | .09479 | -.05366 | 2.0501 | -.11167 | -.01271 | 151.53 | 1.1377 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01221 | .00087 | 23.439 | .29678 | .12154 | .65895 | 231.77 |
| Stddev | .00022 | .00036 | .263   | .00082 | .00106 | .00376 | .96    |
| %RSD   | 1.8010 | 41.520 | 1.1230 | .27503 | .87519 | .57075 | .41340 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01202 | .00046 | 23.504 | .29633 | .12033 | .65514 | 232.43 |
| #2 | .01245 | .00113 | 23.664 | .29773 | .12233 | .66266 | 232.20 |
| #3 | .01215 | .00103 | 23.150 | .29629 | .12195 | .65904 | 230.67 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.4265 | 31.432 | .28681 | -.01706 | 1.1417 | .42928 | 1.1408 |
| Stddev | .0050  | .354   | .00112 | .00070  | .0204  | .00153 | .0013  |
| %RSD   | .20597 | 1.1259 | .39042 | 4.1024  | 1.7872 | .35583 | .11350 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.4234 | 31.171 | .28587 | -.01786 | 1.1184 | .43102 | 1.1403 |
| #2 | 2.4322 | 31.835 | .28805 | -.01677 | 1.1506 | .42814 | 1.1422 |
| #3 | 2.4238 | 31.290 | .28652 | -.01655 | 1.1562 | .42869 | 1.1398 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 9.1736 | .02989 | -.05428 | 6.3998 | 1.5039 | .10716 | 3.1238 |
| Stddev | .1035  | .00006 | .00535  | .0533  | .0235  | .00082 | .0237  |
| %RSD   | 1.1282 | .20063 | 9.8477  | .83227 | 1.5603 | .76308 | .75844 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 9.1118 | .02987 | -.05808 | 6.3640 | 1.5296 | .10665 | 3.0978 |
| #2 | 9.2930 | .02984 | -.04817 | 6.4610 | 1.4982 | .10810 | 3.1442 |
| #3 | 9.1158 | .02996 | -.05660 | 6.3744 | 1.4837 | .10672 | 3.1293 |



Sample Name: K1627-06      Acquired: 3/1/2019 19:11:20      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-03-(2-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .17334 | 9.747  | .01375 | .66909 | F<.00000 |
| Stddev | .00338 | .068   | .00145 | .22621 | 29.116   |
| %RSD   | 1.9505 | .6980  | 10.538 | 33.809 | .56086   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .17372 | 9.671 | .01208 | .47339 | -5224.6 |
| #2 | .16979 | 9.803 | .01450 | .91677 | -5170.9 |
| #3 | .17652 | 9.766 | .01466 | .61711 | -5178.3 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3927.2 | 45068. | 4359.8 | 16.637 | 3557.7 |
| Stddev    | 4.3    | 122.   | 38.2   | .582   | 8.7    |
| %RSD      | .10955 | .26964 | .87699 | 3.4982 | .24391 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3931.2 | 45115. | 4339.9 | 16.849 | 3567.5 |
| #2 | 3927.7 | 44930. | 4335.6 | 17.084 | 3554.4 |
| #3 | 3922.6 | 45158. | 4403.9 | 15.979 | 3551.1 |

Sample Name: K1627-07      Acquired: 3/1/2019 19:15:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-(0-2)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .14832 | -.03767 | 1.1613 | -.09030 | -.00837 | 155.28 | .73251 |
| Stddev | .00302 | .00106  | .0039  | .00102  | .00107  | .34    | .00374 |
| %RSD   | 2.0367 | 2.8136  | .33227 | 1.1269  | 12.783  | .21920 | .51073 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .14676 | -.03755 | 1.1610 | -.08918 | -.00942 | 154.93 | .73599 |
| #2 | .15180 | -.03879 | 1.1577 | -.09052 | -.00840 | 155.61 | .72855 |
| #3 | .14640 | -.03668 | 1.1653 | -.09118 | -.00728 | 155.31 | .73298 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00841 | .00211 | 32.390 | .28067 | .08727 | .58503 | 193.21 |
| Stddev | .00017 | .00010 | .145   | .00215 | .00030 | .00154 | .37    |
| %RSD   | 2.0360 | 4.8969 | .44727 | .76612 | .34445 | .26254 | .18941 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00861 | .00222 | 32.223 | .28178 | .08702 | .58461 | 193.49 |
| #2 | .00833 | .00202 | 32.463 | .28204 | .08760 | .58376 | 192.80 |
| #3 | .00829 | .00207 | 32.485 | .27819 | .08717 | .58674 | 193.34 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.2428 | 28.906 | .22320 | -.01115 | .86592 | .34549 | 3.0834 |
| Stddev | .0022  | .060   | .00071 | .00102  | .01002 | .00066 | .0034  |
| %RSD   | .06710 | .20631 | .31720 | 9.1840  | 1.1577 | .19014 | .10870 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.2445 | 28.874 | .22377 | -.01127 | .85819 | .34602 | 3.0847 |
| #2 | 3.2437 | 28.869 | .22341 | -.01211 | .86231 | .34476 | 3.0797 |
| #3 | 3.2404 | 28.974 | .22240 | -.01007 | .87724 | .34570 | 3.0860 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2634 | .00976 | -.01139 | 4.4204 | 1.5885 | .04069 | 2.2545 |
| Stddev | .0517  | .00037 | .00670  | .0413  | .0021  | .00171 | .0146  |
| %RSD   | .62533 | 3.7732 | 58.765  | .93519 | .13446 | 4.2008 | .64949 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 8.2039 | .01018 | -.01654 | 4.3994 | 1.5909 | .04028 | 2.2394 |
| #2 | 8.2893 | .00963 | -.01381 | 4.3938 | 1.5868 | .03922 | 2.2554 |
| #3 | 8.2970 | .00948 | -.00383 | 4.4681 | 1.5877 | .04257 | 2.2687 |

Sample Name: K1627-07      Acquired: 3/1/2019 19:15:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-(0-2)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .13231 | 8.446  | -.10088 | 2.2446 | F<.00000 |
| Stddev | .00160 | .025   | .00088  | .1094  | 49.981   |
| %RSD   | 1.2058 | .2959  | .87679  | 4.8729 | 1.3033   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .13074 | 8.445 | -.10176 | 2.1276 | -3891.9 |
| #2 | .13226 | 8.421 | -.09999 | 2.3442 | -3798.6 |
| #3 | .13393 | 8.471 | -.10087 | 2.2619 | -3814.2 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3725.9 | 42735. | 4108.7 | 16.724 | 3582.7 |
| Stddev    | 8.1    | 158.   | 7.6    | .485   | 5.2    |
| %RSD      | .21707 | .36992 | .18511 | 2.8982 | .14579 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3719.8 | 42616. | 4104.0 | 17.213 | 3582.1 |
| #2 | 3735.0 | 42673. | 4104.5 | 16.243 | 3588.3 |
| #3 | 3722.8 | 42914. | 4117.4 | 16.716 | 3577.9 |

Sample Name: K1627-08      Acquired: 3/1/2019 19:20:16      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SB-04-(2-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .02437 | -.16590 | 7.9170 | -.38041 | -.00029 | 226.60 | 2.6244 |
| Stddev | .00829 | .00159  | .0039  | .00145  | .00317  | 2.12   | .0228  |
| %RSD   | 34.040 | .95588  | .04948 | .38014  | 1076.9  | .93644 | .86987 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .03133 | -.16407 | 7.9179 | -.38200 | -.00212 | 225.84 | 2.6447 |
| #2 | .02658 | -.16686 | 7.9204 | -.37918 | .00337  | 224.96 | 2.5997 |
| #3 | .01519 | -.16676 | 7.9127 | -.38005 | -.00213 | 229.00 | 2.6288 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286   | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .02669 | .03259 | 207.40 | 1.2173 | F 6.0968 | 10.587 | 470.43 |
| Stddev | .00041 | .00045 | 1.05   | .0043  | .0045    | .009   | 5.12   |
| %RSD   | 1.5518 | 1.3860 | .50761 | .35201 | .07407   | .08043 | 1.0886 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02710 | .03229 | 208.13 | 1.2163 | 6.1020 | 10.580 | 476.24 |
| #2 | .02627 | .03311 | 206.19 | 1.2135 | 6.0944 | 10.586 | 468.48 |
| #3 | .02671 | .03238 | 207.87 | 1.2220 | 6.0940 | 10.597 | 466.57 |

|        |        |        |        |         |        |        |          |
|--------|--------|--------|--------|---------|--------|--------|----------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138   |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | 7.4583 | 98.169 | .46606 | -.06434 | 6.4827 | .63048 | F 60.568 |
| Stddev | .0884  | 1.012  | .00097 | .00086  | .0452  | .00444 | .522     |
| %RSD   | 1.1854 | 1.0308 | .20919 | 1.3307  | .69652 | .70397 | .86215   |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.4064 | 99.121 | .46625 | -.06337 | 6.5332 | .62746 | 60.590 |
| #2 | 7.4082 | 97.106 | .46693 | -.06501 | 6.4461 | .63558 | 61.079 |
| #3 | 7.5604 | 98.281 | .46501 | -.06463 | 6.4689 | .62841 | 60.036 |

|        |        |        |         |          |        |        |        |
|--------|--------|--------|---------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm      | ppm    | ppm    | ppm    |
| Avg    | 21.845 | .64518 | -.30917 | F 14.116 | 1.8059 | 3.6058 | 7.0395 |
| Stddev | .110   | .00053 | .00669  | .049     | .0133  | .0025  | .0241  |
| %RSD   | .50405 | .08138 | 2.1635  | .34683   | .73643 | .06885 | .34190 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 21.947 | .64546 | -.30483 | 14.148 | 1.8174 | 3.6029 | 7.0629 |
| #2 | 21.729 | .64458 | -.31688 | 14.141 | 1.8090 | 3.6070 | 7.0148 |
| #3 | 21.860 | .64551 | -.30581 | 14.060 | 1.7914 | 3.6074 | 7.0407 |

Sample Name: K1627-08      Acquired: 3/1/2019 19:20:16      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SB-04-(2-5)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |         |          |
|-----------|--------|---------|--------|---------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670  | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg       | .21179 | F 10.61 | .20030 | <.00000 | F<.00000 |
| Stddev    | .00467 | .02     | .00558 | .21966  | 7.9488   |
| %RSD      | 2.2034 | .1559   | 2.7859 | 15.814  | .05338   |
| #1        | .21457 | 10.62   | .19736 | -1.2378 | -14900.  |
| #2        | .20640 | 10.62   | .19680 | -1.6410 | -14888.  |
| #3        | .21440 | 10.59   | .20673 | -1.2883 | -14885.  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306  | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S   | Cts/S    |
| Avg       | 3771.2 | 43549.  | 4305.7 | 15.190  | 3126.9   |
| Stddev    | 2.9    | 202.    | 36.8   | 1.936   | 1.4      |
| %RSD      | .07691 | .46270  | .85518 | 12.744  | .04542   |
| #1        | 3774.2 | 43584.  | 4265.6 | 17.301  | 3125.6   |
| #2        | 3771.0 | 43731.  | 4337.9 | 14.771  | 3126.7   |
| #3        | 3768.4 | 43333.  | 4313.5 | 13.498  | 3128.4   |

Sample Name: K1650-01      Acquired: 3/1/2019 19:24:57      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(1.5-2.5) Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .03654 | -.05356 | 2.2535 | -.10936 | -.01204 | 161.38 | 1.4969 |
| Stddev | .00399 | .00021  | .0100  | .00564  | .00239  | 1.18   | .0086  |
| %RSD   | 10.920 | .38483  | .44328 | 5.1559  | 19.852  | .73144 | .57263 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .04088 | -.05357 | 2.2649 | -.11116 | -.00930 | 161.07 | 1.5007 |
| #2 | .03303 | -.05376 | 2.2486 | -.10304 | -.01312 | 162.69 | 1.5029 |
| #3 | .03571 | -.05335 | 2.2469 | -.11387 | -.01370 | 160.39 | 1.4871 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01149 | .00213 | 77.126 | .28049 | .12663 | .44095 | 215.65 |
| Stddev | .00013 | .00022 | .445   | .00169 | .00027 | .00041 | 1.07   |
| %RSD   | 1.1467 | 10.428 | .57665 | .60262 | .21250 | .09269 | .49525 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01135 | .00230 | 77.524 | .28084 | .12688 | .44101 | 216.74 |
| #2 | .01150 | .00188 | 77.207 | .27865 | .12634 | .44132 | 215.61 |
| #3 | .01161 | .00221 | 76.646 | .28198 | .12668 | .44051 | 214.60 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.3090 | 53.242 | .29012 | -.01567 | 1.9032 | .33450 | 1.7482 |
| Stddev | .0321  | .330   | .00090 | .00040  | .0219  | .00085 | .0015  |
| %RSD   | .50952 | .62022 | .31120 | 2.5567  | 1.1511 | .25559 | .08779 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.3194 | 53.614 | .29114 | -.01521 | 1.8832 | .33353 | 1.7484 |
| #2 | 6.3347 | 53.129 | .28984 | -.01588 | 1.9266 | .33483 | 1.7465 |
| #3 | 6.2730 | 52.983 | .28940 | -.01592 | 1.8999 | .33514 | 1.7496 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.922 | .01548 | .03223 | F 14.864 | 2.2007 | .04685 | 2.9553 |
| Stddev | .080   | .00046 | .01523 | .027     | .0107  | .00055 | .0079  |
| %RSD   | .53664 | 2.9919 | 47.254 | .18260   | .48539 | 1.1837 | .26738 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.968 | .01601 | .04980 | 14.895 | 2.2082 | .04623 | 2.9487 |
| #2 | 14.969 | .01517 | .02266 | 14.845 | 2.1885 | .04699 | 2.9531 |
| #3 | 14.830 | .01525 | .02425 | 14.852 | 2.2055 | .04731 | 2.9640 |

Sample Name: K1650-01      Acquired: 3/1/2019 19:24:57      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(1.5-2.5) Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .25412 | 7.946  | .15782 | 1.3191 | F<.00000 |
| Stddev    | .00199 | .020   | .00158 | .2835  | 5.3139   |
| %RSD      | .78262 | .2568  | 1.0029 | 21.491 | .11421   |
| #1        | .25288 | 7.966  | .15753 | 1.4608 | -4646.8  |
| #2        | .25308 | 7.926  | .15952 | 1.5038 | -4657.3  |
| #3        | .25642 | 7.947  | .15639 | .99271 | -4653.6  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3842.6 | 43671. | 4271.0 | 16.637 | 3469.2   |
| Stddev    | 5.5    | 189.   | 27.3   | 1.493  | 4.3      |
| %RSD      | .14197 | .43171 | .63912 | 8.9746 | .12426   |
| #1        | 3848.9 | 43587. | 4240.8 | 16.643 | 3474.0   |
| #2        | 3838.8 | 43538. | 4278.4 | 18.127 | 3468.1   |
| #3        | 3840.2 | 43886. | 4293.9 | 15.141 | 3465.5   |

Sample Name: K1650-02      Acquired: 3/1/2019 19:29:32      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-1(17-18)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00792 | -.04083 | .09710 | -.09959 | -.01126 | 118.65 | 1.0891 |
| Stddev | .00454 | .00389  | .00142 | .00395  | .00138  | .31    | .0138  |
| %RSD   | 57.356 | 9.5244  | 1.4633 | 3.9635  | 12.221  | .26299 | 1.2643 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00335 | -.04168 | .09716 | -.09940 | -.01074 | 119.01 | 1.1015 |
| #2 | .01244 | -.04422 | .09565 | -.09574 | -.01022 | 118.53 | 1.0915 |
| #3 | .00797 | -.03658 | .09849 | -.10362 | -.01282 | 118.42 | 1.0743 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01103 | -.00232 | 17.795 | .18988 | .13160 | .29437 | 216.21 |
| Stddev | .00017 | .00007  | .134   | .00249 | .00035 | .00069 | .70    |
| %RSD   | 1.5110 | 3.1297  | .75273 | 1.3112 | .26570 | .23518 | .32407 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01119 | -.00237 | 17.871 | .19269 | .13152 | .29402 | 216.36 |
| #2 | .01104 | -.00235 | 17.873 | .18797 | .13198 | .29393 | 216.83 |
| #3 | .01086 | -.00224 | 17.640 | .18897 | .13130 | .29517 | 215.45 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.4426 | 60.699 | .26352 | -.01520 | 1.4121 | .24494 | .69065 |
| Stddev | .0439  | .650   | .00099 | .00037  | .0231  | .00298 | .00178 |
| %RSD   | .59043 | 1.0702 | .37715 | 2.4310  | 1.6351 | 1.2168 | .25819 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.4738 | 61.428 | .26375 | -.01562 | 1.4309 | .24833 | .69049 |
| #2 | 7.3924 | 60.488 | .26244 | -.01507 | 1.4190 | .24273 | .69250 |
| #3 | 7.4618 | 60.182 | .26439 | -.01492 | 1.3863 | .24378 | .68895 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.928 | .00511 | .03000 | .21912 | 1.3495 | .01357 | 2.2005 |
| Stddev | .255   | .00028 | .01090 | .02084 | .0245  | .00065 | .0108  |
| %RSD   | 1.4200 | 5.4132 | 36.342 | 9.5132 | 1.8182 | 4.7889 | .49016 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.138 | .00532 | .02591 | .20769 | 1.3766 | .01429 | 2.2008 |
| #2 | 18.001 | .00520 | .04236 | .24318 | 1.3432 | .01340 | 2.1896 |
| #3 | 17.645 | .00479 | .02173 | .20648 | 1.3288 | .01302 | 2.2112 |



Sample Name: K1650-02      Acquired: 3/1/2019 19:29:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(17-18)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .29996 | 5.197  | -.11945 | 1.1691 | F<.00000 |
| Stddev    | .00221 | .015   | .00078  | .0455  | 1.3797   |
| %RSD      | .73514 | .2953  | .64924  | 3.8900 | .03085   |
| #1        | .30238 | 5.197  | -.11950 | 1.2184 | -4470.3  |
| #2        | .29806 | 5.213  | -.12019 | 1.1603 | -4471.4  |
| #3        | .29945 | 5.182  | -.11865 | 1.1288 | -4473.0  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3885.0 | 44215. | 4221.6  | 15.185 | 3551.6   |
| Stddev    | 3.3    | 174.   | 33.1    | 1.919  | 8.3      |
| %RSD      | .08373 | .39246 | .78443  | 12.637 | .23273   |
| #1        | 3886.6 | 44025. | 4190.4  | 13.421 | 3553.2   |
| #2        | 3881.2 | 44366. | 4218.0  | 17.228 | 3542.7   |
| #3        | 3887.0 | 44252. | 4256.3  | 14.905 | 3559.0   |

Sample Name: K1650-02DUP      Acquired: 3/1/2019 19:34:10      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-1(17-18)DU      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .01202 | -.03897 | .09777 | -.09953 | -.01344 | 118.00 | 1.0882 |
| Stddev | .00099 | .00314  | .00323 | .00733  | .00135  | .22    | .0083  |
| %RSD   | 8.2249 | 8.0681  | 3.3042 | 7.3622  | 10.068  | .18364 | .76033 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .01300 | -.04222 | .09540 | -.09409 | -.01322 | 117.92 | 1.0895 |
| #2 | .01202 | -.03872 | .10145 | -.10786 | -.01489 | 118.25 | 1.0793 |
| #3 | .01102 | -.03595 | .09645 | -.09663 | -.01221 | 117.84 | 1.0957 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01093 | -.00225 | 17.713 | .18804 | .13201 | .29442 | 215.72 |
| Stddev | .00015 | .00048  | .140   | .00226 | .00193 | .00472 | 2.28   |
| %RSD   | 1.3746 | 21.490  | .79160 | 1.2010 | 1.4654 | 1.6040 | 1.0581 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01100 | -.00252 | 17.829 | .18897 | .13082 | .29293 | 216.19 |
| #2 | .01075 | -.00169 | 17.557 | .18546 | .13424 | .29970 | 213.23 |
| #3 | .01103 | -.00253 | 17.752 | .18968 | .13097 | .29061 | 217.73 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.4080 | 60.662 | .26413 | -.01458 | 1.4048 | .24403 | .69252 |
| Stddev | .0434  | .534   | .00381 | .00042  | .0102  | .00191 | .01041 |
| %RSD   | .58527 | .88002 | 1.4412 | 2.9009  | .72845 | .78110 | 1.5026 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.3869 | 60.806 | .26067 | -.01435 | 1.4067 | .24504 | .68520 |
| #2 | 7.3792 | 60.071 | .26821 | -.01507 | 1.3937 | .24183 | .70443 |
| #3 | 7.4579 | 61.109 | .26352 | -.01433 | 1.4139 | .24522 | .68793 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.028 | .00502 | .01579 | .21802 | 1.3422 | .01332 | 2.1894 |
| Stddev | .217   | .00048 | .00420 | .01034 | .0095  | .00105 | .0054  |
| %RSD   | 1.2023 | 9.4929 | 26.567 | 4.7418 | .70578 | 7.9072 | .24498 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.200 | .00472 | .02017 | .20609 | 1.3430 | .01405 | 2.1953 |
| #2 | 17.785 | .00557 | .01181 | .22393 | 1.3324 | .01379 | 2.1848 |
| #3 | 18.100 | .00478 | .01540 | .22406 | 1.3513 | .01211 | 2.1881 |

Sample Name: K1650-02DUP      Acquired: 3/1/2019 19:34:10      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(17-18)DU      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .29710 | 5.223  | -.11952 | 1.1244 | F<.00000 |
| Stddev    | .00195 | .062   | .00241  | .0587  | 16.249   |
| %RSD      | .65653 | 1.183  | 2.0187  | 5.2224 | .36753   |
| #1        | .29624 | 5.190  | -.12006 | 1.1597 | -4407.8  |
| #2        | .29933 | 5.295  | -.11688 | 1.1570 | -4416.5  |
| #3        | .29573 | 5.185  | -.12161 | 1.0567 | -4439.3  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3870.0 | 44235. | 4202.9  | 16.491 | 3533.3   |
| Stddev    | 41.7   | 66.    | 36.6    | 1.072  | 38.0     |
| %RSD      | 1.0768 | .14929 | .87050  | 6.5023 | 1.0743   |
| #1        | 3885.7 | 44206. | 4175.5  | 15.378 | 3559.2   |
| #2        | 3822.8 | 44188. | 4244.5  | 17.518 | 3489.7   |
| #3        | 3901.6 | 44310. | 4188.8  | 16.575 | 3550.9   |

Sample Name: K1650-02LX5      Acquired: 3/1/2019 19:38:46      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00445 | -.00671 | .01715 | -.01885 | -.00475 | 26.457 | .24601 |
| Stddev | .00307 | .00299  | .00112 | .00300  | .00144  | .059   | .00361 |
| %RSD   | 68.894 | 44.580  | 6.5484 | 15.901  | 30.340  | .22335 | 1.4669 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00276 | -.00327 | .01589 | -.02151 | -.00531 | 26.444 | .24233 |
| #2 | .00261 | -.00869 | .01748 | -.01944 | -.00311 | 26.521 | .24614 |
| #3 | .00799 | -.00817 | .01806 | -.01560 | -.00582 | 26.405 | .24955 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00221 | -.00232 | 4.1174 | .04320 | .02661 | .06936 | 58.285 |
| Stddev | .00009 | .00008  | .0212  | .00023 | .00028 | .00020 | .055   |
| %RSD   | 4.1125 | 3.4023  | .51444 | .53215 | 1.0643 | .28208 | .09421 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00224 | -.00234 | 4.1400 | .04336 | .02672 | .06939 | 58.338 |
| #2 | .00229 | -.00240 | 4.0981 | .04294 | .02681 | .06954 | 58.228 |
| #3 | .00211 | -.00224 | 4.1140 | .04331 | .02628 | .06915 | 58.290 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.7766 | 14.195 | .05285 | -.00255 | .29408 | .05575 | .13446 |
| Stddev | .0026  | .115   | .00042 | .00079  | .00852 | .00053 | .00028 |
| %RSD   | .14838 | .81095 | .80193 | 30.918  | 2.8960 | .95595 | .20605 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.7775 | 14.145 | .05274 | -.00346 | .30375 | .05521 | .13420 |
| #2 | 1.7787 | 14.327 | .05331 | -.00199 | .28772 | .05627 | .13475 |
| #3 | 1.7736 | 14.113 | .05249 | -.00222 | .29076 | .05578 | .13443 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.2189 | .00105 | .02971 | .08441 | .32947 | .00275 | .51064 |
| Stddev | .0266  | .00033 | .00636 | .02452 | .00209 | .00064 | .00349 |
| %RSD   | .63093 | 31.032 | 21.420 | 29.051 | .63431 | 23.229 | .68297 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.2480 | .00138 | .02982 | .07570 | .33079 | .00329 | .51010 |
| #2 | 4.1958 | .00105 | .03601 | .11209 | .32706 | .00204 | .50745 |
| #3 | 4.2129 | .00072 | .02329 | .06543 | .33056 | .00291 | .51436 |

Sample Name: K1650-02LX5      Acquired: 3/1/2019 19:38:46      Type: Unk  
Method: P4-ICP2(v2905)      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       | .06418 | 1.050  | -.03673 | 3.9411 | F<.00000 |
| Stddev    | .00150 | .002   | .00019  | .1966  | 2.6577   |
| %RSD      | 2.3401 | .2065  | .52264  | 4.9892 | .30092   |
| #1        | .06336 | 1.048  | -.03692 | 4.0551 | -885.03  |
| #2        | .06591 | 1.049  | -.03654 | 4.0541 | -880.13  |
| #3        | .06326 | 1.052  | -.03672 | 3.7140 | -884.36  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3573.8 | 40807. | 3762.4  | 15.603 | 3786.1   |
| Stddev    | 4.5    | 193.   | 14.3    | 1.151  | 5.6      |
| %RSD      | .12563 | .47279 | .37903  | 7.3775 | .14670   |
| #1        | 3569.3 | 40666. | 3746.6  | 15.300 | 3792.3   |
| #2        | 3578.3 | 40729. | 3774.3  | 16.875 | 3781.5   |
| #3        | 3573.7 | 41027. | 3766.4  | 14.633 | 3784.4   |

Sample Name: K1650-02MS      Acquired: 3/1/2019 19:43:09      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-1(17-18)MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76243 | 2.1026 | 1.1634 | 1.6916 | .23268 | 126.01 | 1.3766 |
| Stddev | .00760 | .0076  | .0070  | .0093  | .00175 | .43    | .0068  |
| %RSD   | .99659 | .36399 | .60471 | .55010 | .75321 | .33955 | .49680 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .77031 | 2.0940 | 1.1556 | 1.7015 | .23191 | 125.80 | 1.3843 |
| #2 | .76181 | 2.1086 | 1.1693 | 1.6830 | .23468 | 125.73 | 1.3740 |
| #3 | .75516 | 2.1051 | 1.1653 | 1.6904 | .23144 | 126.50 | 1.3714 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20672 | .20877 | 18.687 | .57924 | .34776 | .58141 | 209.29 |
| Stddev | .00067 | .00115 | .137   | .00246 | .00159 | .00283 | 1.86   |
| %RSD   | .32637 | .55033 | .73575 | .42418 | .45811 | .48592 | .88848 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20735 | .20745 | 18.843 | .58182 | .34598 | .58456 | 211.41 |
| #2 | .20601 | .20959 | 18.585 | .57693 | .34823 | .57909 | 207.94 |
| #3 | .20682 | .20925 | 18.631 | .57896 | .34905 | .58059 | 208.53 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.8154 | 64.580 | .79175 | .05914 | 4.0729 | .49796 | .90617 |
| Stddev | .0328  | .516   | .00201 | .00054 | .0268  | .00299 | .00837 |
| %RSD   | .37216 | .79924 | .25365 | .91619 | .65743 | .60011 | .92376 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.7914 | 65.147 | .78952 | .05973 | 4.1009 | .49851 | .89683 |
| #2 | 8.8021 | 64.137 | .79340 | .05867 | 4.0704 | .49474 | .91298 |
| #3 | 8.8528 | 64.456 | .79234 | .05904 | 4.0475 | .50064 | .90871 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.457 | .35489 | .24930 | .18802 | 1.8104 | .71177 | 2.1850 |
| Stddev | .261   | .00196 | .01112 | .02763 | .0217  | .00400 | .0165  |
| %RSD   | .95007 | .55202 | 4.4593 | 14.696 | 1.1985 | .56130 | .75599 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.751 | .35712 | .26188 | .17339 | 1.8325 | .70962 | 2.2038 |
| #2 | 27.365 | .35407 | .24518 | .17077 | 1.8096 | .70931 | 2.1727 |
| #3 | 27.254 | .35347 | .24082 | .21989 | 1.7892 | .71638 | 2.1785 |

Sample Name: K1650-02MS      Acquired: 3/1/2019 19:43:09      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(17-18)MS      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .50885 | F 11.34 | .08097 | 1.8030 | F<.00000 |
| Stddev    | .00288 | .06     | .00089 | .0701  | 30.088   |
| %RSD      | .56618 | .5251   | 1.1025 | 3.8887 | .72752   |
| #1        | .51200 | 11.27   | .07994 | 1.8794 | -4169.1  |
| #2        | .50635 | 11.38   | .08141 | 1.7880 | -4127.3  |
| #3        | .50820 | 11.37   | .08155 | 1.7416 | -4110.7  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3892.0 | 43898.  | 4139.0 | 16.179 | 3558.1   |
| Stddev    | 2.3    | 42.     | 44.9   | .664   | 30.8     |
| %RSD      | .05874 | .09524  | 1.0840 | 4.1031 | .86487   |
| #1        | 3892.4 | 43872.  | 4089.5 | 15.647 | 3593.2   |
| #2        | 3889.5 | 43946.  | 4150.3 | 15.967 | 3535.7   |
| #3        | 3894.1 | 43876.  | 4177.1 | 16.923 | 3545.4   |

Sample Name: K1650-02MSD      Acquired: 3/1/2019 19:47:39      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-1(17-18)MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75201 | 2.0968 | 1.1567 | 1.6782 | .22659 | 123.69 | 1.3030 |
| Stddev | .00455 | .0096  | .0102  | .0133  | .00389 | .96    | .0138  |
| %RSD   | .60498 | .45775 | .88519 | .79065 | 1.7184 | .77730 | 1.0562 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .75519 | 2.0945 | 1.1547 | 1.6801 | .22515 | 122.64 | 1.3181 |
| #2 | .75403 | 2.1073 | 1.1679 | 1.6903 | .22363 | 124.53 | 1.2996 |
| #3 | .74680 | 2.0886 | 1.1477 | 1.6640 | .23100 | 123.91 | 1.2912 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20477 | .20772 | 18.491 | .57575 | .34594 | .57321 | 205.73 |
| Stddev | .00097 | .00084 | .177   | .00211 | .00163 | .00411 | 1.95   |
| %RSD   | .47214 | .40315 | .95617 | .36573 | .47211 | .71766 | .95018 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20562 | .20731 | 18.679 | .57496 | .34620 | .57348 | 207.88 |
| #2 | .20499 | .20868 | 18.467 | .57813 | .34742 | .57718 | 205.22 |
| #3 | .20372 | .20716 | 18.328 | .57415 | .34419 | .56897 | 204.08 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.2155 | 62.838 | .78543 | .05861 | 3.9943 | .49796 | .89363 |
| Stddev | .0570  | .438   | .00444 | .00144 | .0262  | .00159 | .00208 |
| %RSD   | .69447 | .69703 | .56525 | 2.4558 | .65503 | .31840 | .23223 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.1520 | 63.326 | .78561 | .06011 | 4.0244 | .49823 | .89390 |
| #2 | 8.2625 | 62.707 | .78977 | .05724 | 3.9812 | .49939 | .89144 |
| #3 | 8.2320 | 62.480 | .78090 | .05847 | 3.9773 | .49625 | .89556 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.832 | .35064 | .23182 | .20425 | 1.8173 | .70758 | 2.1908 |
| Stddev | .134   | .00147 | .00698 | .00601 | .0214  | .00534 | .0038  |
| %RSD   | .50089 | .42058 | 3.0115 | 2.9423 | 1.1763 | .75405 | .17469 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 26.987 | .35054 | .23386 | .20791 | 1.8409 | .70473 | 2.1933 |
| #2 | 26.758 | .35216 | .23755 | .19732 | 1.8115 | .71373 | 2.1927 |
| #3 | 26.752 | .34921 | .22404 | .20753 | 1.7994 | .70427 | 2.1864 |



Sample Name: K1650-02MSD      Acquired: 3/1/2019 19:47:39      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-1(17-18)MS      Custom ID2:      Custom ID3:  
Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .50042 | F 11.37 | .08190 | 1.7057 | F<.00000 |
| Stddev    | .00134 | .07     | .00169 | .1584  | 19.529   |
| %RSD      | .26692 | .5798   | 2.0614 | 9.2887 | .47516   |
| #1        | .50044 | 11.35   | .07999 | 1.6700 | -4122.6  |
| #2        | .50175 | 11.44   | .08321 | 1.8789 | -4087.5  |
| #3        | .49908 | 11.31   | .08251 | 1.5681 | -4119.9  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3922.9 | 44196.  | 4192.0 | 16.281 | 3567.0   |
| Stddev    | 7.1    | 256.    | 43.9   | 1.717  | 4.7      |
| %RSD      | .18152 | .57866  | 1.0484 | 10.544 | .13192   |
| #1        | 3915.0 | 44362.  | 4143.8 | 14.398 | 3565.1   |
| #2        | 3928.7 | 43902.  | 4202.5 | 17.760 | 3572.3   |
| #3        | 3925.2 | 44325.  | 4229.8 | 16.685 | 3563.5   |

Sample Name: CCV09      Acquired: 3/1/2019 19:52:08      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14622      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.0424 | 4.9348 | 4.9705 | 5.0690 | 5.0695 | 9.9884 | 9.7079 | .25115 |
| Stddev | .0029  | .0010  | .0106  | .0118  | .0053  | .0721  | .0737  | .00069 |
| %RSD   | .05815 | .01962 | .21325 | .23212 | .10537 | .72202 | .75904 | .27297 |
| #1     | 5.0392 | 4.9359 | 4.9762 | 5.0817 | 5.0688 | 9.9056 | 9.7849 | .25051 |
| #2     | 5.0430 | 4.9340 | 4.9769 | 5.0585 | 5.0645 | 10.022 | 9.6381 | .25187 |
| #3     | 5.0449 | 4.9345 | 4.9582 | 5.0669 | 5.0751 | 10.038 | 9.7008 | .25107 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4208 | 24.361 | 1.0088 | 2.4801 | 1.2473 | 5.2111 | 2.5102 | 25.786 |
| Stddev | .0023  | .086   | .0005  | .0057  | .0021  | .0341  | .0064  | .082   |
| %RSD   | .09512 | .35225 | .05077 | .22945 | .16395 | .65495 | .25405 | .31747 |
| #1     | 2.4217 | 24.291 | 1.0091 | 2.4845 | 1.2493 | 5.2502 | 2.5047 | 25.880 |
| #2     | 2.4225 | 24.335 | 1.0090 | 2.4822 | 1.2452 | 5.1960 | 2.5172 | 25.742 |
| #3     | 2.4182 | 24.457 | 1.0082 | 2.4737 | 1.2474 | 5.1871 | 2.5087 | 25.735 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5956 | 1.2997 | 24.606 | 2.5150 | 2.4661 | 24.847 | 5.0269 | 4.6773 |
| Stddev | .0050  | .0052  | .180   | .0032  | .0042  | .159   | .0100  | .0405  |
| %RSD   | .19320 | .39847 | .73012 | .12794 | .17190 | .64001 | .19876 | .86630 |
| #1     | 2.6002 | 1.2957 | 24.789 | 2.5128 | 2.4682 | 25.030 | 5.0154 | 4.6609 |
| #2     | 2.5965 | 1.3055 | 24.430 | 2.5187 | 2.4689 | 24.749 | 5.0337 | 4.6475 |
| #3     | 2.5903 | 1.2977 | 24.599 | 2.5135 | 2.4612 | 24.761 | 5.0316 | 4.7234 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.9472 | 4.9080 | 4.8653 | 4.9236 | 4.8190 | 4.888  | 4.9209 | 5.3215 |
| Stddev | .0035  | .0426  | .0096  | .0188  | .0351  | .023   | .0272  | .1186  |
| %RSD   | .07079 | .86781 | .19648 | .38103 | .72752 | .4632  | .55280 | 2.2295 |
| #1     | 4.9471 | 4.9566 | 4.8691 | 4.9183 | 4.8560 | 4.914  | 4.9497 | 5.1910 |
| #2     | 4.9438 | 4.8900 | 4.8723 | 4.9081 | 4.7863 | 4.881  | 4.8956 | 5.4228 |
| #3     | 4.9508 | 4.8773 | 4.8544 | 4.9445 | 4.8148 | 4.871  | 4.9176 | 5.3507 |

Sample Name: CCV09      Acquired: 3/1/2019 19:52:08      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14622      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 5.5290 |
| Stddev | 3.6102   |
| %RSD   | 65.295   |

|    |        |
|----|--------|
| #1 | 4.4251 |
| #2 | 9.5622 |
| #3 | 2.5996 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3479.5 | 39058. | 3662.7 | 15.397 | 3641.7 |
| Stddev    | 8.5    | 136.   | 21.2   | .967   | 13.6   |
| %RSD      | .24499 | .34865 | .57763 | 6.2772 | .37275 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3482.1 | 39203. | 3639.2 | 15.194 | 3633.8 |
| #2 | 3470.0 | 38932. | 3680.3 | 16.449 | 3634.0 |
| #3 | 3486.5 | 39040. | 3668.5 | 14.548 | 3657.4 |

Sample Name: CCB09      Acquired: 3/1/2019 19:56:08      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14622      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |         |        |
|--------|--------|---------|--------|--------|---------|--------|---------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00295 | -.00085 | .00060 | .00076 | -.00162 | .00845 | -.00443 | .00005 |
| Stddev | .00254 | .00145  | .00038 | .00227 | .00208  | .01029 | .00141  | .00004 |
| %RSD   | 86.239 | 171.43  | 62.984 | 297.96 | 128.43  | 121.85 | 31.807  | 90.379 |

|    |        |         |        |         |         |        |         |         |
|----|--------|---------|--------|---------|---------|--------|---------|---------|
| #1 | .00586 | -.00233 | .00096 | -.00149 | -.00038 | .00421 | -.00282 | .00007  |
| #2 | .00119 | .00057  | .00021 | .00305  | -.00046 | .00094 | -.00543 | .00007  |
| #3 | .00179 | -.00077 | .00063 | .00072  | -.00402 | .02018 | -.00505 | -.00000 |

|        |        |         |        |         |         |         |        |        |
|--------|--------|---------|--------|---------|---------|---------|--------|--------|
| Elem   | Cd2265 | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00005 | -.01848 | .00013 | -.00020 | -.00009 | -.00051 | .00008 | .06784 |
| Stddev | .00005 | .01044  | .00015 | .00014  | .00026  | .00070  | .00004 | .03860 |
| %RSD   | 97.600 | 56.494  | 111.88 | 68.072  | 284.82  | 135.58  | 48.062 | 56.889 |

|    |         |         |        |         |         |         |        |        |
|----|---------|---------|--------|---------|---------|---------|--------|--------|
| #1 | -.00001 | -.02784 | .00009 | -.00022 | .00020  | .00027  | .00012 | .02964 |
| #2 | .00009  | -.00722 | .00030 | -.00033 | -.00019 | -.00105 | .00007 | .10682 |
| #3 | .00008  | -.02037 | .00001 | -.00006 | -.00029 | -.00076 | .00005 | .06707 |

|        |         |        |         |         |         |        |        |        |
|--------|---------|--------|---------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280 | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00039 | .00041 | -.03164 | -.00019 | -.00029 | .12734 | .00046 | .01406 |
| Stddev | .00020  | .00039 | .00811  | .00008  | .00006  | .01712 | .00020 | .00693 |
| %RSD   | 51.429  | 95.330 | 25.631  | 40.156  | 22.477  | 13.447 | 43.721 | 49.244 |

|    |         |         |         |         |         |        |        |        |
|----|---------|---------|---------|---------|---------|--------|--------|--------|
| #1 | -.00042 | .00063  | -.03082 | -.00028 | -.00026 | .13002 | .00063 | .00607 |
| #2 | -.00058 | .00063  | -.04013 | -.00016 | -.00036 | .14297 | .00052 | .01791 |
| #3 | -.00018 | -.00004 | -.02397 | -.00014 | -.00024 | .10904 | .00024 | .01821 |

|        |          |        |         |        |         |        |         |          |
|--------|----------|--------|---------|--------|---------|--------|---------|----------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361 | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm      | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     | ppm      |
| Avg    | F .03213 | .00607 | -.00043 | .00153 | -.00261 | -.0031 | -.00005 | F 3.9165 |
| Stddev | .01078   | .00391 | .00081  | .00047 | .00242  | .0009  | .00004  | .3579    |
| %RSD   | 33.551   | 64.405 | 189.41  | 30.393 | 92.704  | 27.46  | 78.441  | 9.1392   |

|    |        |        |         |        |         |        |         |        |
|----|--------|--------|---------|--------|---------|--------|---------|--------|
| #1 | .02485 | .01004 | .00039  | .00126 | -.00181 | -.0024 | -.00004 | 3.5083 |
| #2 | .02702 | .00222 | -.00123 | .00207 | -.00533 | -.0040 | -.00002 | 4.0643 |
| #3 | .04451 | .00595 | -.00044 | .00126 | -.00069 | -.0029 | -.00010 | 4.1769 |

Sample Name: CCB09      Acquired: 3/1/2019 19:56:08      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14622      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 4.2125 |
| Stddev | 2.2619   |
| %RSD   | 53.695   |

|    |        |
|----|--------|
| #1 | 6.0079 |
| #2 | 1.6721 |
| #3 | 4.9574 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3557.3 | 40593. | 3686.3 | 16.936 | 4038.5 |
| Stddev    | 8.9    | 204.   | 15.9   | 1.572  | 11.2   |
| %RSD      | .25007 | .50339 | .43211 | 9.2846 | .27656 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3547.8 | 40565. | 3669.8 | 17.092 | 4026.1 |
| #2 | 3565.4 | 40810. | 3701.6 | 18.425 | 4041.4 |
| #3 | 3558.6 | 40404. | 3687.5 | 15.292 | 4047.9 |

Sample Name: K1650-02A      Acquired: 3/1/2019 20:00:36      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7984      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .74443 | 2.0719 | 1.1402 | 1.6672 | .22425 | 123.57 | 1.3329 |
| Stddev | .00472 | .0053  | .0021  | .0100  | .00283 | .52    | .0034  |
| %RSD   | .63379 | .25545 | .18449 | .60120 | 1.2599 | .42231 | .25525 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .73993 | 2.0743 | 1.1423 | 1.6679 | .22623 | 123.42 | 1.3290 |
| #2 | .74934 | 2.0755 | 1.1381 | 1.6768 | .22101 | 123.14 | 1.3342 |
| #3 | .74401 | 2.0658 | 1.1402 | 1.6568 | .22550 | 124.15 | 1.3355 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20344 | .20479 | 18.588 | .56907 | .34130 | .56903 | 205.83 |
| Stddev | .00037 | .00048 | .044   | .00196 | .00056 | .00088 | 1.31   |
| %RSD   | .18316 | .23293 | .23652 | .34478 | .16370 | .15423 | .63860 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20382 | .20530 | 18.543 | .56849 | .34126 | .56810 | 204.44 |
| #2 | .20342 | .20435 | 18.588 | .56745 | .34188 | .56984 | 205.99 |
| #3 | .20307 | .20474 | 18.631 | .57125 | .34076 | .56915 | 207.06 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.3666 | 63.470 | .77752 | .05772 | 4.0376 | .49625 | .88387 |
| Stddev | .0323  | .432   | .00144 | .00010 | .0121  | .00222 | .00121 |
| %RSD   | .38662 | .68115 | .18486 | .17452 | .30083 | .44711 | .13669 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.3843 | 63.714 | .77668 | .05772 | 4.0359 | .49800 | .88526 |
| #2 | 8.3292 | 62.971 | .77670 | .05762 | 4.0264 | .49375 | .88311 |
| #3 | 8.3862 | 63.726 | .77918 | .05782 | 4.0505 | .49698 | .88324 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 27.110 | .34583 | .23632 | .17920 | 1.8228 | .69936 | 2.1678 |
| Stddev | .115   | .00145 | .01297 | .00594 | .0105  | .00155 | .0049  |
| %RSD   | .42278 | .41812 | 5.4865 | 3.3157 | .57840 | .22218 | .22744 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 27.067 | .34427 | .22160 | .17287 | 1.8159 | .70055 | 2.1652 |
| #2 | 27.022 | .34712 | .24134 | .18466 | 1.8176 | .69992 | 2.1735 |
| #3 | 27.239 | .34610 | .24603 | .18008 | 1.8349 | .69760 | 2.1648 |

Sample Name: K1650-02A      Acquired: 3/1/2019 20:00:36      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7984      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .49819 | F 11.21 | .08049 | 1.2918 | F<.00000 |
| Stddev | .00024 | .05     | .00103 | .1457  | 62.606   |
| %RSD   | .04856 | .4670   | 1.2739 | 11.283 | 1.5294   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .49844 | 11.15 | .08156 | 1.1649 | -4089.4 |
| #2 | .49819 | 11.25 | .08039 | 1.2595 | -4033.2 |
| #3 | .49795 | 11.24 | .07952 | 1.4509 | -4158.2 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3973.5 | 44869. | 4204.1 | 16.089 | 3616.1 |
| Stddev    | 4.6    | 211.   | 21.7   | .810   | 2.1    |
| %RSD      | .11554 | .46960 | .51637 | 5.0352 | .05842 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3978.0 | 44941. | 4222.5 | 17.024 | 3614.0 |
| #2 | 3968.9 | 45034. | 4209.8 | 15.625 | 3618.2 |
| #3 | 3973.7 | 44632. | 4180.2 | 15.617 | 3616.2 |

Sample Name: K1650-03      Acquired: 3/1/2019 20:05:06      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(24-25)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00837 | -.04730 | .10602 | -.08270 | -.01084 | 96.545 | 1.3171 |
| Stddev | .00450 | .00123  | .00111 | .00496  | .00251  | .117   | .0060  |
| %RSD   | 53.713 | 2.6002  | 1.0479 | 5.9960  | 23.129  | .12159 | .45594 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00841 | -.04867 | .10474 | -.07817 | -.00805 | 96.438 | 1.3241 |
| #2 | .01285 | -.04693 | .10659 | -.08193 | -.01290 | 96.528 | 1.3134 |
| #3 | .00386 | -.04630 | .10673 | -.08799 | -.01158 | 96.670 | 1.3139 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01007 | -.00172 | 328.21 | .17490 | .11888 | .31798 | 190.48 |
| Stddev | .00018 | .00006  | .52    | .00088 | .00084 | .00166 | .75    |
| %RSD   | 1.8121 | 3.5080  | .15740 | .50384 | .70628 | .52184 | .39619 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01026 | -.00165 | 327.62 | .17531 | .11956 | .31611 | 190.99 |
| #2 | .00990 | -.00173 | 328.45 | .17388 | .11915 | .31855 | 189.62 |
| #3 | .01006 | -.00176 | 328.56 | .17550 | .11794 | .31927 | 190.84 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.1318 | 60.155 | .22898 | -.01781 | 2.1985 | .24780 | .62338 |
| Stddev | .0233  | .274   | .00094 | .00086  | .0092  | .00153 | .00442 |
| %RSD   | .32605 | .45519 | .40922 | 4.8310  | .42012 | .61940 | .70905 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.1583 | 60.030 | .22839 | -.01695 | 2.2030 | .24605 | .62488 |
| #2 | 7.1224 | 59.965 | .23006 | -.01780 | 2.1878 | .24845 | .62685 |
| #3 | 7.1147 | 60.469 | .22849 | -.01867 | 2.2045 | .24890 | .61840 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.185 | .00679 | .03180 | .79238 | 2.9973 | .01418 | 2.4784 |
| Stddev | .050   | .00038 | .01491 | .05505 | .0163  | .00102 | .0054  |
| %RSD   | .27727 | 5.5375 | 46.875 | 6.9470 | .54481 | 7.1855 | .21937 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.157 | .00656 | .04252 | .73037 | 2.9886 | .01375 | 2.4748 |
| #2 | 18.154 | .00722 | .01478 | .81131 | 2.9872 | .01345 | 2.4758 |
| #3 | 18.243 | .00659 | .03810 | .83546 | 3.0162 | .01535 | 2.4847 |



Sample Name: K1650-03      Acquired: 3/1/2019 20:05:06      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-1(24-25)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .30373 | F 10.47 | .25172 | 1.7951 | F<.00000 |
| Stddev    | .00433 | .04     | .00100 | .0456  | 8.3827   |
| %RSD      | 1.4247 | .3963   | .39540 | 2.5411 | .22175   |
| #1        | .30246 | 10.46   | .25062 | 1.8215 | -3786.6  |
| #2        | .30017 | 10.52   | .25198 | 1.7424 | -3770.8  |
| #3        | .30855 | 10.43   | .25256 | 1.8214 | -3783.5  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3830.8 | 43511.  | 4184.0 | 15.003 | 3388.7   |
| Stddev    | .6     | 52.     | 3.4    | 1.197  | 25.6     |
| %RSD      | .01668 | .11883  | .08209 | 7.9803 | .75479   |
| #1        | 3831.4 | 43469.  | 4180.1 | 15.261 | 3376.9   |
| #2        | 3830.1 | 43496.  | 4186.7 | 13.698 | 3371.2   |
| #3        | 3830.9 | 43569.  | 4185.1 | 16.051 | 3418.1   |

Sample Name: K1650-05      Acquired: 3/1/2019 20:09:35      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-2(9-10)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00943 | -.03303 | .06129 | -.06185 | -.01153 | 93.196 | .38042 |
| Stddev | .00160 | .00179  | .00052 | .00186  | .00089  | .435   | .00134 |
| %RSD   | 16.972 | 5.4233  | .85048 | 3.0072  | 7.6827  | .46694 | .35119 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00770 | -.03167 | .06147 | -.06192 | -.01174 | 93.629 | .38067 |
| #2 | .01086 | -.03506 | .06070 | -.06368 | -.01056 | 93.201 | .37897 |
| #3 | .00971 | -.03236 | .06170 | -.05996 | -.01230 | 92.758 | .38160 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00799 | -.00471 | 11.322 | .14947 | .07461 | .20537 | 170.68 |
| Stddev | .00014 | .00027  | .098   | .00090 | .00043 | .00123 | 1.20   |
| %RSD   | 1.7534 | 5.7683  | .86350 | .60515 | .58137 | .59673 | .70568 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00813 | -.00471 | 11.341 | .15045 | .07456 | .20553 | 171.08 |
| #2 | .00800 | -.00444 | 11.217 | .14867 | .07507 | .20407 | 169.33 |
| #3 | .00785 | -.00498 | 11.409 | .14930 | .07421 | .20651 | 171.63 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.5526 | 27.915 | .14445 | -.01106 | 1.0225 | .19571 | .42874 |
| Stddev | .0144  | .185   | .00018 | .00038  | .0073  | .00197 | .00140 |
| %RSD   | .26008 | .66339 | .12182 | 3.4689  | .71301 | 1.0050 | .32606 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.5691 | 27.784 | .14449 | -.01109 | 1.0159 | .19781 | .42975 |
| #2 | 5.5465 | 27.833 | .14426 | -.01066 | 1.0303 | .19541 | .42933 |
| #3 | 5.5422 | 28.127 | .14460 | -.01143 | 1.0212 | .19391 | .42715 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 8.4165 | .00920 | .01618 | .14551 | 2.0079 | .00984 | 1.9279 |
| Stddev | .0144  | .00014 | .01123 | .00415 | .0120  | .00108 | .0022  |
| %RSD   | .17107 | 1.4867 | 69.410 | 2.8530 | .59957 | 10.987 | .11136 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 8.4123 | .00913 | .02912 | .14353 | 2.0037 | .01095 | 1.9295 |
| #2 | 8.4325 | .00911 | .00901 | .14272 | 1.9986 | .00880 | 1.9287 |
| #3 | 8.4046 | .00936 | .01040 | .15028 | 2.0215 | .00976 | 1.9254 |

Sample Name: K1650-05      Acquired: 3/1/2019 20:09:35      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-2(9-10)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .14234 | 4.201  | -.09036 | 2.0280 | F<.00000 |
| Stddev    | .00291 | .018   | .00180  | .0532  | 17.395   |
| %RSD      | 2.0442 | .4190  | 1.9952  | 2.6212 | .56705   |
| #1        | .13968 | 4.221  | -.09103 | 2.0783 | -3079.4  |
| #2        | .14545 | 4.191  | -.08831 | 2.0332 | -3047.6  |
| #3        | .14188 | 4.191  | -.09172 | 1.9724 | -3075.7  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3884.9 | 43829. | 4077.8  | 15.571 | 3736.1   |
| Stddev    | 11.9   | 202.   | 34.2    | 1.187  | 1.1      |
| %RSD      | .30553 | .46010 | .83919  | 7.6240 | .03058   |
| #1        | 3876.1 | 43600. | 4062.3  | 16.770 | 3734.9   |
| #2        | 3898.4 | 43980. | 4117.0  | 14.396 | 3736.3   |
| #3        | 3880.3 | 43907. | 4054.0  | 15.546 | 3737.2   |

Sample Name: K1650-06      Acquired: 3/1/2019 20:14:00      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-3(2.5-3.5) Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .15367 | -.02668 | 13.924 | -.07976 | .00215 | 161.27 | 5.0986 |
| Stddev | .00225 | .00174  | .019   | .00068  | .00179 | .32    | .0278  |
| %RSD   | 1.4661 | 6.5214  | .13372 | .85366  | 83.111 | .19629 | .54591 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .15574 | -.02666 | 13.924 | -.07929 | .00248 | 161.06 | 5.1164 |
| #2 | .15127 | -.02495 | 13.943 | -.08054 | .00022 | 161.11 | 5.1129 |
| #3 | .15399 | -.02843 | 13.906 | -.07945 | .00376 | 161.63 | 5.0665 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01285 | .00954 | 54.072 | .29275 | .08896 | 1.2852 | 232.05 |
| Stddev | .00003 | .00042 | .237   | .00232 | .00057 | .0078  | 1.38   |
| %RSD   | .24616 | 4.3843 | .43902 | .79383 | .63878 | .61012 | .59556 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01281 | .00944 | 54.257 | .29146 | .08850 | 1.2829 | 232.68 |
| #2 | .01287 | .00919 | 54.155 | .29544 | .08879 | 1.2788 | 233.02 |
| #3 | .01286 | .01001 | 53.804 | .29137 | .08960 | 1.2940 | 230.47 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 3.3401 | 32.868 | .24136 | -.00087 | .86959 | .49726 | 2.2404 |
| Stddev | .0050  | .110   | .00115 | .00008  | .02062 | .00197 | .0006  |
| %RSD   | .14932 | .33420 | .47645 | 8.8872  | 2.3711 | .39674 | .02842 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 3.3457 | 32.868 | .24014 | -.00085 | .87811 | .49752 | 2.2401 |
| #2 | 3.3363 | 32.978 | .24242 | -.00080 | .88458 | .49909 | 2.2411 |
| #3 | 3.3382 | 32.758 | .24153 | -.00095 | .84607 | .49517 | 2.2400 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 11.235 | .00786 | -.01347 | 3.7720 | 1.5786 | .49674 | 1.5317 |
| Stddev | .082   | .00051 | .01179  | .0503  | .0088  | .00194 | .0072  |
| %RSD   | .73356 | 6.5493 | 87.513  | 1.3335 | .55771 | .39059 | .47151 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 11.236 | .00845 | -.00962 | 3.7704 | 1.5776 | .49489 | 1.5383 |
| #2 | 11.316 | .00751 | -.00409 | 3.7226 | 1.5879 | .49658 | 1.5326 |
| #3 | 11.151 | .00762 | -.02671 | 3.8231 | 1.5704 | .49876 | 1.5240 |

Sample Name: K1650-06      Acquired: 3/1/2019 20:14:00      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-3(2.5-3.5) Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .21591 | F 29.72 | .32874 | 1.1142 | F<.00000 |
| Stddev | .00117 | .08     | .00144 | .0492  | 20.859   |
| %RSD   | .54295 | .2682   | .43851 | 4.4117 | .43164   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21641 | 29.79 | .32935 | 1.1243 | -4808.5 |
| #2 | .21675 | 29.73 | .32978 | 1.0608 | -4847.0 |
| #3 | .21457 | 29.63 | .32709 | 1.1576 | -4841.7 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3973.4 | 44604. | 4250.7 | 15.208 | 3607.6 |
| Stddev    | 4.9    | 45.    | 28.0   | .947   | 4.7    |
| %RSD      | .12336 | .10078 | .65916 | 6.2252 | .13082 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3969.0 | 44559. | 4235.1 | 14.218 | 3606.4 |
| #2 | 3978.6 | 44605. | 4233.9 | 16.105 | 3603.5 |
| #3 | 3972.4 | 44649. | 4283.0 | 15.301 | 3612.7 |

Sample Name: K1650-07      Acquired: 3/1/2019 20:18:29      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-3(9-10)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00140 | -.06083 | .13015 | -.10590 | -.01466 | 158.46 | 1.0418 |
| Stddev | .00259 | .00223  | .00107 | .00490  | .00101  | 1.31   | .0097  |
| %RSD   | 184.53 | 3.6650  | .82226 | 4.6315  | 6.8620  | .82371 | .93461 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00236  | -.05837 | .12934 | -.10058 | -.01543 | 157.33 | 1.0523 |
| #2 | .00337  | -.06140 | .12974 | -.10688 | -.01352 | 158.16 | 1.0399 |
| #3 | -.00153 | -.06272 | .13136 | -.11024 | -.01504 | 159.89 | 1.0331 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01412 | -.00291 | 17.559 | .23060 | .16018 | .61904 | 262.87 |
| Stddev | .00007 | .00037  | .098   | .00089 | .00076 | .00072 | 3.42   |
| %RSD   | .46343 | 12.646  | .55922 | .38517 | .47250 | .11692 | 1.2999 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01417 | -.00321 | 17.534 | .22959 | .15991 | .61838 | 265.99 |
| #2 | .01404 | -.00302 | 17.667 | .23096 | .16103 | .61894 | 263.39 |
| #3 | .01414 | -.00250 | 17.475 | .23126 | .15959 | .61982 | 259.22 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.5212 | 63.261 | .32635 | -.02100 | 1.6271 | .33217 | 1.2086 |
| Stddev | .0386  | .379   | .00100 | .00035  | .0334  | .00225 | .0032  |
| %RSD   | .40545 | .59872 | .30690 | 1.6850  | 2.0511 | .67663 | .26531 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.5008 | 63.638 | .32524 | -.02140 | 1.6408 | .33423 | 1.2088 |
| #2 | 9.5657 | 62.881 | .32664 | -.02075 | 1.5890 | .32978 | 1.2117 |
| #3 | 9.4971 | 63.264 | .32718 | -.02085 | 1.6514 | .33251 | 1.2053 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.978 | .00489 | .00504 | .22516 | 1.5687 | .01658 | 3.2839 |
| Stddev | .078   | .00005 | .01229 | .00387 | .0251  | .00045 | .0240  |
| %RSD   | .43477 | .96121 | 243.86 | 1.7201 | 1.6035 | 2.6974 | .72983 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 18.057 | .00484 | .01880  | .22874 | 1.5960 | .01710 | 3.2866 |
| #2 | 17.976 | .00492 | .00117  | .22569 | 1.5635 | .01637 | 3.2588 |
| #3 | 17.900 | .00491 | -.00485 | .22105 | 1.5465 | .01629 | 3.3065 |

Sample Name: K1650-07      Acquired: 3/1/2019 20:18:29      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-3(9-10)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .33474 | 2.707  | -.14889 | .34091 | F<.00000 |
| Stddev    | .00309 | .007   | .00416  | .28832 | 14.141   |
| %RSD      | .92261 | .2759  | 2.7914  | 84.574 | .25926   |
| #1        | .33597 | 2.707  | -.15223 | .01562 | -5460.5  |
| #2        | .33122 | 2.714  | -.15021 | .44218 | -5437.9  |
| #3        | .33702 | 2.699  | -.14424 | .56493 | -5464.0  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 4042.5 | 45211. | 4233.7  | 16.434 | 3532.2   |
| Stddev    | 4.0    | 46.    | 39.2    | 1.379  | 10.4     |
| %RSD      | .09924 | .10084 | .92687  | 8.3941 | .29461   |
| #1        | 4038.1 | 45257. | 4195.6  | 16.583 | 3528.9   |
| #2        | 4043.5 | 45166. | 4231.6  | 17.732 | 3523.8   |
| #3        | 4046.0 | 45208. | 4274.0  | 14.986 | 3543.8   |

Sample Name: K1650-08      Acquired: 3/1/2019 20:23:05      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-4(4-5)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .10836 | -.05424 | 11.848 | -.09531 | .00395 | 134.74 | 4.8562 |
| Stddev | .00294 | .00275  | .038   | .00270  | .00127 | .55    | .0226  |
| %RSD   | 2.7171 | 5.0743  | .32032 | 2.8362  | 32.248 | .40993 | .46544 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .11174 | -.05591 | 11.841 | -.09301 | .00531 | 134.42 | 4.8746 |
| #2 | .10701 | -.05575 | 11.889 | -.09828 | .00278 | 134.42 | 4.8310 |
| #3 | .10634 | -.05106 | 11.814 | -.09462 | .00377 | 135.38 | 4.8631 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01135 | .01592 | 444.69 | .37383 | .10602 | 1.6758 | 222.24 |
| Stddev | .00017 | .00013 | 1.39   | .00219 | .00047 | .0083  | 1.29   |
| %RSD   | 1.4991 | .84187 | .31181 | .58543 | .44376 | .49341 | .58014 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01149 | .01590 | 444.79 | .37190 | .10596 | 1.6786 | 222.23 |
| #2 | .01139 | .01606 | 443.26 | .37338 | .10651 | 1.6824 | 220.95 |
| #3 | .01116 | .01580 | 446.03 | .37621 | .10557 | 1.6665 | 223.53 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.7809 | 59.868 | .34746 | -.00133 | 2.3839 | .42027 | 4.9875 |
| Stddev | .0234  | .092   | .00070 | .00089  | .0173  | .00056 | .0175  |
| %RSD   | .40427 | .15449 | .20098 | 67.142  | .72547 | .13233 | .35028 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.7587 | 59.859 | .34706 | -.00056 | 2.3774 | .41971 | 4.9876 |
| #2 | 5.7789 | 59.964 | .34826 | -.00230 | 2.3709 | .42027 | 5.0050 |
| #3 | 5.8053 | 59.780 | .34704 | -.00111 | 2.4036 | .42082 | 4.9700 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 12.109 | .01231 | .02057 | F 15.315 | 1.9009 | 4.4920 | 2.9452 |
| Stddev | .064   | .00030 | .01143 | .043     | .0117  | .0075  | .0180  |
| %RSD   | .52719 | 2.4570 | 55.577 | .28227   | .61263 | .16680 | .61233 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.154 | .01209 | .02503 | 15.334 | 1.9015 | 4.4847 | 2.9384 |
| #2 | 12.036 | .01219 | .02910 | 15.346 | 1.8890 | 4.4997 | 2.9316 |
| #3 | 12.138 | .01265 | .00758 | 15.266 | 1.9123 | 4.4917 | 2.9657 |



Sample Name: K1650-08      Acquired: 3/1/2019 20:23:05      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-4(4-5)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |         |        |        |          |
|-----------|--------|---------|--------|--------|----------|
| Elem      | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg       | .21016 | F 13.77 | 2.1302 | 2.5989 | F<.00000 |
| Stddev    | .00129 | .07     | .0076  | .0320  | 16.788   |
| %RSD      | .61388 | .4934   | .35668 | 1.2305 | .37865   |
| #1        | .20894 | 13.77   | 2.1358 | 2.5676 | -4416.2  |
| #2        | .21002 | 13.84   | 2.1215 | 2.5977 | -4435.3  |
| #3        | .21151 | 13.70   | 2.1333 | 2.6315 | -4449.7  |
| Int. Std. | Y_2243 | Y_3600  | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S   | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3697.0 | 41301.  | 4055.8 | 15.245 | 3309.4   |
| Stddev    | 2.2    | 115.    | 11.3   | .537   | 6.8      |
| %RSD      | .05886 | .27800  | .27917 | 3.5203 | .20470   |
| #1        | 3698.0 | 41383.  | 4051.0 | 14.625 | 3307.0   |
| #2        | 3694.5 | 41350.  | 4068.7 | 15.537 | 3304.0   |
| #3        | 3698.6 | 41169.  | 4047.6 | 15.572 | 3317.0   |

Sample Name: K1650-11      Acquired: 3/1/2019 20:27:31      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-5(9-10)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00627 | -.04289 | .09075 | -.07013 | -.01194 | 139.39 | .45493 |
| Stddev | .00213 | .00096  | .00245 | .00161  | .00092  | 1.48   | .00717 |
| %RSD   | 34.011 | 2.2299  | 2.6973 | 2.3028  | 7.7227  | 1.0626 | 1.5753 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00874 | -.04366 | .09355 | -.06905 | -.01204 | 140.72 | .45871 |
| #2 | .00512 | -.04319 | .08899 | -.07198 | -.01281 | 139.66 | .45941 |
| #3 | .00497 | -.04182 | .08972 | -.06935 | -.01097 | 137.79 | .44666 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00943 | -.00532 | 12.841 | .21538 | .11133 | .22687 | 209.62 |
| Stddev | .00013 | .00025  | .058   | .00147 | .00030 | .00110 | .89    |
| %RSD   | 1.3517 | 4.6259  | .45500 | .68136 | .27337 | .48424 | .42664 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00930 | -.00516 | 12.885 | .21691 | .11100 | .22573 | 209.33 |
| #2 | .00955 | -.00560 | 12.863 | .21524 | .11139 | .22694 | 210.62 |
| #3 | .00946 | -.00519 | 12.775 | .21399 | .11160 | .22793 | 208.91 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 6.4127 | 50.957 | .22735 | -.01479 | 1.1254 | .24730 | .51564 |
| Stddev | .0586  | .547   | .00103 | .00042  | .0203  | .00066 | .00210 |
| %RSD   | .91427 | 1.0742 | .45233 | 2.8122  | 1.8043 | .26805 | .40642 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 6.4627 | 51.328 | .22695 | -.01439 | 1.1478 | .24790 | .51360 |
| #2 | 6.4271 | 51.215 | .22852 | -.01522 | 1.1081 | .24742 | .51779 |
| #3 | 6.3482 | 50.329 | .22658 | -.01476 | 1.1203 | .24659 | .51555 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 15.739 | .01442 | .03048 | .53870 | 2.2733 | .02054 | 2.4810 |
| Stddev | .104   | .00020 | .01165 | .01125 | .0137  | .00055 | .0042  |
| %RSD   | .66384 | 1.4205 | 38.209 | 2.0888 | .60225 | 2.6849 | .16744 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.792 | .01465 | .02639 | .54570 | 2.2598 | .02069 | 2.4835 |
| #2 | 15.807 | .01427 | .04362 | .52572 | 2.2872 | .02100 | 2.4833 |
| #3 | 15.619 | .01434 | .02143 | .54467 | 2.2730 | .01993 | 2.4762 |

Sample Name: K1650-11      Acquired: 3/1/2019 20:27:31      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-5(9-10)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .25273 | 2.864  | -.09901 | 1.9785 | F<.00000 |
| Stddev    | .00165 | .003   | .00129  | .1057  | 25.038   |
| %RSD      | .65240 | .0991  | 1.2999  | 5.3428 | .65132   |
| #1        | .25463 | 2.866  | -.09889 | 2.0930 | -3849.7  |
| #2        | .25181 | 2.861  | -.10035 | 1.8846 | -3866.0  |
| #3        | .25174 | 2.865  | -.09778 | 1.9579 | -3816.8  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3825.0 | 42708. | 4008.7  | 16.727 | 3651.0   |
| Stddev    | 11.3   | 203.   | 12.3    | .757   | 4.4      |
| %RSD      | .29456 | .47531 | .30576  | 4.5263 | .12150   |
| #1        | 3821.9 | 42518. | 4004.7  | 16.976 | 3656.1   |
| #2        | 3837.5 | 42684. | 3998.9  | 17.329 | 3648.6   |
| #3        | 3815.6 | 42922. | 4022.4  | 15.877 | 3648.3   |

Sample Name: K1650-12      Acquired: 3/1/2019 20:32:09      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-6(4-5)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .10955 | -.10292 | 7.9243 | -.10643 | -.01125 | 163.75 | 3.2148 |
| Stddev | .00123 | .00202  | .0159  | .00567  | .00282  | 1.19   | .0389  |
| %RSD   | 1.1195 | 1.9627  | .20003 | 5.3304  | 25.054  | .72740 | 1.2112 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .10819 | -.10062 | 7.9424 | -.11294 | -.01333 | 162.88 | 3.1888 |
| #2 | .11057 | -.10368 | 7.9131 | -.10380 | -.01238 | 163.27 | 3.2596 |
| #3 | .10990 | -.10444 | 7.9173 | -.10256 | -.00804 | 165.11 | 3.1962 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01684 | .01260 | 152.79 | .31828 | .13814 | 1.3071 | 248.24 |
| Stddev | .00014 | .00047 | 1.84   | .00335 | .00026 | .0020  | 3.37   |
| %RSD   | .81244 | 3.7492 | 1.2067 | 1.0536 | .19129 | .15400 | 1.3581 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01692 | .01303 | 151.02 | .31749 | .13796 | 1.3079 | 246.58 |
| #2 | .01668 | .01210 | 154.70 | .31540 | .13801 | 1.3086 | 252.12 |
| #3 | .01691 | .01269 | 152.63 | .32196 | .13844 | 1.3048 | 246.02 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 7.3073 | 69.800 | .28816 | -.02394 | 7.4826 | .51517 | 5.4751 |
| Stddev | .0300  | .511   | .00181 | .00028  | .0628  | .00448 | .0149  |
| %RSD   | .41033 | .73152 | .62932 | 1.1713  | .83931 | .86957 | .27193 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 7.2757 | 69.419 | .28677 | -.02420 | 7.4602 | .52034 | 5.4922 |
| #2 | 7.3110 | 70.380 | .29021 | -.02364 | 7.5536 | .51272 | 5.4680 |
| #3 | 7.3353 | 69.602 | .28751 | -.02399 | 7.4341 | .51245 | 5.4650 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496  | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 26.314 | .01133 | -.02373 | 7.1390 | 1.2272 | .47683 | 5.6407 |
| Stddev | .411   | .00036 | .00168  | .0240  | .0187  | .00070 | .0344  |
| %RSD   | 1.5627 | 3.1533 | 7.0805  | .33662 | 1.5247 | .14581 | .60918 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 26.135 | .01141 | -.02298 | 7.1162 | 1.2362 | .47627 | 5.6067 |
| #2 | 26.785 | .01164 | -.02255 | 7.1641 | 1.2396 | .47761 | 5.6754 |
| #3 | 26.023 | .01094 | -.02565 | 7.1369 | 1.2057 | .47660 | 5.6402 |

Sample Name: K1650-12      Acquired: 3/1/2019 20:32:09      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-6(4-5)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |          |
|--------|--------|---------|--------|--------|----------|
| Elem   | Li6707 | P_1774  | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      |
| Avg    | .24564 | F 13.05 | .41862 | .14082 | F<.00000 |
| Stddev | .00374 | .03     | .00462 | .17209 | 49.355   |
| %RSD   | 1.5233 | .2507   | 1.1027 | 122.20 | .87775   |

|    |        |       |        |         |         |
|----|--------|-------|--------|---------|---------|
| #1 | .24132 | 13.07 | .41344 | -.05655 | -5579.5 |
| #2 | .24760 | 13.02 | .42230 | .25944  | -5676.6 |
| #3 | .24799 | 13.08 | .42012 | .21958  | -5612.6 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4054.8 | 45642. | 4388.7 | 15.041 | 3402.5 |
| Stddev    | 10.0   | 72.    | 53.2   | 1.145  | 8.3    |
| %RSD      | .24735 | .15706 | 1.2118 | 7.6125 | .24423 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4044.4 | 45691. | 4404.9 | 13.736 | 3392.9 |
| #2 | 4055.4 | 45676. | 4329.3 | 15.879 | 3406.6 |
| #3 | 4064.5 | 45560. | 4431.9 | 15.507 | 3407.9 |

Sample Name: K1650-13      Acquired: 3/1/2019 20:36:45      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-6(9-10)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00432 | -.04088 | .09251 | -.08276 | -.01262 | 168.08 | .63413 |
| Stddev | .00201 | .00064  | .00230 | .00328  | .00098  | .28    | .00731 |
| %RSD   | 46.541 | 1.5652  | 2.4881 | 3.9650  | 7.7493  | .16364 | 1.1523 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00302 | -.04100 | .09362 | -.08479 | -.01348 | 167.78 | .62896 |
| #2 | .00663 | -.04019 | .09404 | -.07898 | -.01156 | 168.32 | .63093 |
| #3 | .00330 | -.04145 | .08986 | -.08452 | -.01282 | 168.14 | .64249 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01087 | -.00595 | 13.175 | .20795 | .12839 | .35320 | 227.51 |
| Stddev | .00010 | .00034  | .078   | .00020 | .00045 | .00057 | 1.79   |
| %RSD   | .87598 | 5.7917  | .59267 | .09788 | .34915 | .16088 | .78820 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01076 | -.00557 | 13.175 | .20785 | .12889 | .35289 | 228.32 |
| #2 | .01089 | -.00601 | 13.097 | .20819 | .12803 | .35385 | 225.46 |
| #3 | .01095 | -.00625 | 13.253 | .20782 | .12825 | .35285 | 228.76 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 8.0477 | 58.769 | .26071 | -.01665 | 1.2429 | .25629 | .65399 |
| Stddev | .0337  | .354   | .00185 | .00023  | .0045  | .00157 | .00121 |
| %RSD   | .41830 | .60257 | .71111 | 1.3726  | .36225 | .61087 | .18494 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 8.0104 | 58.383 | .26209 | -.01640 | 1.2400 | .25478 | .65380 |
| #2 | 8.0758 | 58.846 | .25860 | -.01685 | 1.2407 | .25617 | .65529 |
| #3 | 8.0569 | 59.078 | .26144 | -.01669 | 1.2481 | .25791 | .65289 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 18.687 | .00686 | .02171 | .30740 | 2.6370 | .01329 | 2.4423 |
| Stddev | .132   | .00007 | .00284 | .01665 | .0214  | .00020 | .0216  |
| %RSD   | .70842 | .96573 | 13.082 | 5.4171 | .81096 | 1.4675 | .88384 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 18.618 | .00693 | .01979 | .31622 | 2.6382 | .01350 | 2.4190 |
| #2 | 18.603 | .00680 | .02497 | .28819 | 2.6150 | .01312 | 2.4460 |
| #3 | 18.839 | .00684 | .02037 | .31779 | 2.6577 | .01325 | 2.4617 |

Sample Name: K1650-13      Acquired: 3/1/2019 20:36:45      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-6(9-10)      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |         |        |          |
|-----------|--------|--------|---------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg       | .28924 | 4.352  | -.11664 | 2.5492 | F<.00000 |
| Stddev    | .00230 | .010   | .00165  | .0887  | 24.742   |
| %RSD      | .79438 | .2341  | 1.4154  | 3.4799 | .60620   |
| #1        | .28660 | 4.364  | -.11797 | 2.6498 | -4105.4  |
| #2        | .29031 | 4.348  | -.11479 | 2.4821 | -4082.9  |
| #3        | .29080 | 4.345  | -.11717 | 2.5157 | -4055.9  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710  | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S   | Cts/S  | Cts/S    |
| Avg       | 3727.5 | 41580. | 3885.8  | 16.138 | 3631.7   |
| Stddev    | 6.1    | 90.    | 30.7    | .643   | 2.7      |
| %RSD      | .16272 | .21716 | .78881  | 3.9873 | .07476   |
| #1        | 3722.8 | 41477. | 3872.7  | 15.808 | 3632.4   |
| #2        | 3725.3 | 41642. | 3920.8  | 16.880 | 3628.7   |
| #3        | 3734.3 | 41622. | 3863.9  | 15.727 | 3634.0   |

Sample Name: K1650-14      Acquired: 3/1/2019 20:41:22      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-7(3.5-4.5) Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .09800 | -.08259 | 3.7996 | -.08753 | -.00998 | 126.96 | 1.5829 |
| Stddev | .00291 | .00263  | .0096  | .00258  | .00365  | .40    | .0212  |
| %RSD   | 2.9722 | 3.1831  | .25268 | 2.9494  | 36.581  | .31897 | 1.3394 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .09690 | -.08247 | 3.7943 | -.08461 | -.00916 | 126.56 | 1.5957 |
| #2 | .09579 | -.08528 | 3.7938 | -.08951 | -.01397 | 126.95 | 1.5945 |
| #3 | .10130 | -.08003 | 3.8106 | -.08847 | -.00681 | 127.37 | 1.5584 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01157 | .01065 | 552.24 | .21564 | .12406 | .93336 | 210.37 |
| Stddev | .00025 | .00038 | 4.97   | .00023 | .00038 | .00241 | 2.50   |
| %RSD   | 2.2031 | 3.5762 | .90011 | .10464 | .30623 | .25870 | 1.1885 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01152 | .01055 | 554.92 | .21538 | .12382 | .93564 | 212.09 |
| #2 | .01134 | .01032 | 555.30 | .21581 | .12449 | .93360 | 211.52 |
| #3 | .01184 | .01107 | 546.51 | .21571 | .12385 | .93083 | 207.50 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.0341 | 59.020 | .30284 | -.02099 | 3.0712 | .47517 | 3.9984 |
| Stddev | .0116  | .935   | .00080 | .00015  | .0295  | .00157 | .0121  |
| %RSD   | .23022 | 1.5836 | .26305 | .72833  | .95897 | .33024 | .30175 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.0419 | 59.274 | .30302 | -.02102 | 3.0848 | .47361 | 3.9923 |
| #2 | 5.0208 | 59.802 | .30353 | -.02082 | 3.0914 | .47675 | 3.9905 |
| #3 | 5.0396 | 57.985 | .30197 | -.02112 | 3.0374 | .47514 | 4.0122 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 15.556 | .01967 | .02219 | F 12.587 | 2.0139 | .27131 | 4.7947 |
| Stddev | .153   | .00051 | .00146 | .011     | .0143  | .00170 | .0221  |
| %RSD   | .98465 | 2.6085 | 6.5603 | .08824   | .70805 | .62532 | .46042 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.588 | .01939 | .02062 | 12.578 | 2.0180 | .27087 | 4.7714 |
| #2 | 15.690 | .02026 | .02350 | 12.600 | 2.0257 | .27319 | 4.8153 |
| #3 | 15.389 | .01936 | .02245 | 12.584 | 1.9981 | .26988 | 4.7973 |



Sample Name: K1650-14      Acquired: 3/1/2019 20:41:22      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-7(3.5-4.5) Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .26354 | 7.362  | 1.8483 | 2.9427 | F<.00000 |
| Stddev    | .00035 | .008   | .0178  | .2037  | 30.398   |
| %RSD      | .13404 | .1108  | .96281 | 6.9219 | .75979   |
| #1        | .26373 | 7.361  | 1.8564 | 3.1760 | -3998.2  |
| #2        | .26375 | 7.355  | 1.8606 | 2.7999 | -3971.9  |
| #3        | .26313 | 7.371  | 1.8279 | 2.8523 | -4032.5  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3661.1 | 40739. | 4013.6 | 16.719 | 3277.1   |
| Stddev    | 7.5    | 159.   | 47.4   | 1.327  | 10.1     |
| %RSD      | .20363 | .39052 | 1.1819 | 7.9379 | .30857   |
| #1        | 3659.5 | 40569. | 3971.7 | 18.088 | 3282.6   |
| #2        | 3669.2 | 40885. | 4004.0 | 15.438 | 3283.4   |
| #3        | 3654.5 | 40763. | 4065.1 | 16.630 | 3265.5   |

Sample Name: CCV10      Acquired: 3/1/2019 20:45:49      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14623      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8885 | 4.8557 | 4.8328 | 4.9869 | 4.9436 | 9.7961 | 9.4954 | .24776 |
| Stddev | .0845  | .0812  | .0923  | .0725  | .0821  | .1106  | .2550  | .00015 |
| %RSD   | 1.7280 | 1.6723 | 1.9091 | 1.4538 | 1.6610 | 1.1292 | 2.6850 | .06187 |
| #1     | 4.7912 | 4.7622 | 4.7274 | 4.9037 | 4.8494 | 9.7015 | 9.6357 | .24786 |
| #2     | 4.9437 | 4.8965 | 4.8721 | 5.0209 | 4.9813 | 9.7690 | 9.2011 | .24784 |
| #3     | 4.9305 | 4.9085 | 4.8989 | 5.0362 | 5.0001 | 9.9177 | 9.6494 | .24758 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.3800 | 23.831 | .99716 | 2.4241 | 1.2282 | 5.0820 | 2.4701 | 25.165 |
| Stddev | .0467  | .686   | .00030 | .0467  | .0220  | .1336  | .0028  | .620   |
| %RSD   | 1.9639 | 2.8789 | .03043 | 1.9281 | 1.7886 | 2.6280 | .11411 | 2.4624 |
| #1     | 2.3266 | 24.114 | .99706 | 2.3709 | 1.2030 | 5.1881 | 2.4689 | 25.375 |
| #2     | 2.3997 | 23.049 | .99750 | 2.4429 | 1.2387 | 4.9320 | 2.4734 | 24.467 |
| #3     | 2.4136 | 24.331 | .99692 | 2.4585 | 1.2430 | 5.1259 | 2.4681 | 25.652 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.5715 | 1.2759 | 24.216 | 2.5222 | 2.3951 | 24.635 | 4.8871 | 4.6233 |
| Stddev | .0542  | .0044  | .628   | .0037  | .0470  | .664   | .0871  | .1134  |
| %RSD   | 2.1079 | .34307 | 2.5937 | .14544 | 1.9620 | 2.6963 | 1.7812 | 2.4526 |
| #1     | 2.5095 | 1.2805 | 24.524 | 2.5261 | 2.3410 | 25.022 | 4.7871 | 4.6488 |
| #2     | 2.5950 | 1.2755 | 23.493 | 2.5216 | 2.4179 | 23.868 | 4.9287 | 4.4993 |
| #3     | 2.6100 | 1.2718 | 24.630 | 2.5188 | 2.4263 | 25.015 | 4.9455 | 4.7217 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.8762 | 4.8437 | 4.7882 | 4.7453 | 4.6897 | 4.824  | 4.7665 | 4.9827 |
| Stddev | .0974  | .1234  | .0705  | .1422  | .1255  | .072   | .1248  | .1597  |
| %RSD   | 1.9978 | 2.5471 | 1.4732 | 2.9971 | 2.6751 | 1.489  | 2.6175 | 3.2054 |
| #1     | 4.7671 | 4.9342 | 4.7082 | 4.7901 | 4.7707 | 4.744  | 4.8396 | 5.0137 |
| #2     | 4.9069 | 4.7031 | 4.8146 | 4.5861 | 4.5452 | 4.846  | 4.6224 | 5.1247 |
| #3     | 4.9546 | 4.8937 | 4.8417 | 4.8597 | 4.7533 | 4.882  | 4.8374 | 4.8098 |

Sample Name: CCV10      Acquired: 3/1/2019 20:45:49      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14623      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.8552 |
| Stddev | 8.5138   |
| %RSD   | 458.92   |

|    |         |
|----|---------|
| #1 | -4.5470 |
| #2 | -1.4047 |
| #3 | 11.517  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3553.5 | 39451. | 3714.3 | 16.420 | 3694.7 |
| Stddev    | 49.5   | 117.   | 94.4   | 1.710  | 58.8   |
| %RSD      | 1.3928 | .29706 | 2.5427 | 10.415 | 1.5922 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3610.6 | 39474. | 3639.5 | 15.845 | 3762.6 |
| #2 | 3523.2 | 39325. | 3820.4 | 18.344 | 3661.7 |
| #3 | 3526.6 | 39556. | 3683.0 | 15.071 | 3659.8 |

Sample Name: CCB10      Acquired: 3/1/2019 20:49:48      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14623      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00110  | -.00043 | .00031  | .00435  | -.00114 | .00464  | -.00613 | .00005   |
| Stddev | .00372   | .00161  | .00088  | .00117  | .00099  | .02376  | .00565  | .00009   |
| %RSD   | 339.23   | 371.26  | 283.58  | 27.011  | 86.728  | 511.57  | 92.120  | 182.65   |
| #1     | .00185   | .00041  | -.00050 | .00507  | -.00162 | -.01267 | -.01231 | .00015   |
| #2     | .00013   | .00058  | .00124  | .00498  | -.00000 | -.00512 | -.00122 | .00000   |
| #3     | -.00528  | -.00229 | .00019  | .00299  | -.00181 | .03173  | -.00487 | -.00001  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00010   | -.01340 | .00022  | -.00008 | -.00011 | .00068  | .00006  | .07064   |
| Stddev | .00006   | .00905  | .00007  | .00010  | .00037  | .00157  | .00001  | .02403   |
| %RSD   | 64.823   | 67.547  | 31.978  | 125.77  | 353.08  | 230.77  | 22.405  | 34.024   |
| #1     | .00007   | -.01328 | .00026  | -.00003 | -.00029 | .00203  | .00004  | .09789   |
| #2     | .00017   | -.00441 | .00026  | -.00020 | .00032  | .00105  | .00006  | .06156   |
| #3     | .00005   | -.02250 | .00014  | -.00002 | -.00036 | -.00104 | .00007  | .05247   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00008  | -.00012 | -.03173 | -.00021 | -.00017 | .08038  | .00037  | .01664   |
| Stddev | .00117   | .00014  | .01485  | .00043  | .00011  | .03512  | .00003  | .01347   |
| %RSD   | 1429.1   | 121.77  | 46.815  | 204.23  | 67.246  | 43.689  | 7.3178  | 80.969   |
| #1     | -.00088  | .00005  | -.04887 | .00012  | -.00011 | .08012  | .00035  | .02296   |
| #2     | -.00062  | -.00019 | -.02360 | -.00006 | -.00029 | .04539  | .00036  | .00117   |
| #3     | .00126   | -.00020 | -.02271 | -.00070 | -.00009 | .11562  | .00040  | .02578   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04318 | .00555  | .00129  | .00015  | -.00125 | -.0006  | .00001  | F 3.8845 |
| Stddev | .01586   | .00140  | .00073  | .00262  | .00162  | .0006   | .00004  | .1059    |
| %RSD   | 36.731   | 25.260  | 56.739  | 1698.4  | 129.49  | 101.3   | 289.37  | 2.7270   |
| #1     | .06145   | .00616  | .00118  | -.00104 | -.00301 | -.0000  | .00002  | 3.9722   |
| #2     | .03502   | .00654  | .00207  | -.00166 | .00017  | -.0013  | .00005  | 3.7668   |
| #3     | .03305   | .00395  | .00062  | .00316  | -.00091 | -.0006  | -.00003 | 3.9146   |

Sample Name: CCB10      Acquired: 3/1/2019 20:49:48      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14623      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 7.3052 |
| Stddev | 4.9497   |
| %RSD   | 67.756   |

|    |        |
|----|--------|
| #1 | 12.999 |
| #2 | 4.8864 |
| #3 | 4.0300 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3610.4 | 40963. | 3642.8 | 16.786 | 4068.0 |
| Stddev    | 7.1    | 68.    | 16.6   | 1.908  | 9.0    |
| %RSD      | .19762 | .16674 | .45466 | 11.366 | .22195 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3603.3 | 40910. | 3643.1 | 18.367 | 4057.9 |
| #2 | 3617.6 | 40940. | 3626.2 | 14.667 | 4075.2 |
| #3 | 3610.5 | 41040. | 3659.3 | 17.325 | 4071.1 |

Sample Name: K1650-15      Acquired: 3/1/2019 20:54:17      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-7(9-10)      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00208 | -.05912 | .12625 | -.09235 | -.01482 | 166.55 | .63953 |
| Stddev | .00103 | .00354  | .00164 | .00374  | .00106  | .41    | .00642 |
| %RSD   | 49.275 | 5.9857  | 1.2990 | 4.0498  | 7.1613  | .24331 | 1.0046 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00092 | -.05703 | .12532 | -.09663 | -.01471 | 166.94 | .63212 |
| #2 | .00288 | -.05713 | .12814 | -.09071 | -.01382 | 166.57 | .64327 |
| #3 | .00245 | -.06321 | .12528 | -.08972 | -.01593 | 166.13 | .64321 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01411 | -.00198 | 14.055 | .24740 | .14972 | .45718 | 251.81 |
| Stddev | .00010 | .00036  | .091   | .00240 | .00073 | .00193 | 2.11   |
| %RSD   | .68921 | 18.156  | .65087 | .97150 | .48932 | .42208 | .83790 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .01422 | -.00171 | 13.951 | .24849 | .14999 | .45641 | 249.90 |
| #2 | .01404 | -.00184 | 14.091 | .24465 | .15027 | .45575 | 251.46 |
| #3 | .01406 | -.00239 | 14.123 | .24907 | .14889 | .45937 | 254.07 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 9.0826 | 59.007 | .32074 | -.02155 | 1.9283 | .31495 | .73042 |
| Stddev | .0318  | .784   | .00136 | .00047  | .0313  | .00110 | .00188 |
| %RSD   | .34953 | 1.3293 | .42283 | 2.1812  | 1.6217 | .34900 | .25722 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 9.0922 | 58.244 | .32045 | -.02126 | 1.8948 | .31431 | .73259 |
| #2 | 9.0471 | 58.967 | .32221 | -.02129 | 1.9332 | .31433 | .72931 |
| #3 | 9.1084 | 59.811 | .31954 | -.02209 | 1.9567 | .31622 | .72936 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 17.168 | .01000 | .00363 | .14682 | 1.7543 | .01656 | 3.1187 |
| Stddev | .149   | .00009 | .01024 | .02640 | .0274  | .00192 | .0149  |
| %RSD   | .86801 | .91677 | 282.40 | 17.978 | 1.5618 | 11.577 | .47870 |

|    |        |        |         |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|
| #1 | 17.021 | .00993 | .01433  | .12983 | 1.7270 | .01834 | 3.1027 |
| #2 | 17.164 | .01010 | -.00607 | .17723 | 1.7540 | .01453 | 3.1214 |
| #3 | 17.319 | .00996 | .00262  | .13340 | 1.7818 | .01682 | 3.1322 |

Sample Name: K1650-15      Acquired: 3/1/2019 20:54:17      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-7(9-10)      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |         |        |          |
|--------|--------|--------|---------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077  | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm      |
| Avg    | .29430 | 3.908  | -.16119 | .45138 | F<.00000 |
| Stddev | .00147 | .009   | .00165  | .09914 | 7.0036   |
| %RSD   | .49894 | .2338  | 1.0227  | 21.964 | .13509   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .29274 | 3.912 | -.15979 | .56470 | -5183.3 |
| #2 | .29449 | 3.897 | -.16076 | .38067 | -5177.8 |
| #3 | .29566 | 3.914 | -.16301 | .40877 | -5191.7 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 4077.0 | 45430. | 4267.4 | 16.808 | 3557.0 |
| Stddev    | 11.5   | 111.   | 34.8   | .291   | 9.8    |
| %RSD      | .28307 | .24395 | .81636 | 1.7319 | .27481 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 4077.0 | 45305. | 4305.8 | 16.500 | 3555.5 |
| #2 | 4088.5 | 45469. | 4258.3 | 17.079 | 3567.4 |
| #3 | 4065.4 | 45516. | 4237.9 | 16.845 | 3548.0 |

Sample Name: K1650-16      Acquired: 3/1/2019 20:58:52      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: B-8(3.5-4.5) Custom ID2:      Custom ID3:  
Comment:

|        |          |           |          |           |           |          |        |
|--------|----------|-----------|----------|-----------|-----------|----------|--------|
| Elem   | As1890   | Tl1908    | Pb2203   | Se1960    | Sb2068    | Al3961   | Ba4934 |
| Units  | ppm      | ppm       | ppm      | ppm       | ppm       | ppm      | ppm    |
| Avg    | k .02496 | k -.06482 | k 4.3347 | k -.19540 | k -.02206 | s 191.95 | 1.0440 |
| Stddev | .00154   | .01210    | .0683    | .06055    | .00127    | 44.95    | .0040  |
| %RSD   | 6.1868   | 18.661    | 1.5760   | 30.988    | 5.7406    | 23.418   | .38475 |

|    |          |           |          |           |           |          |        |
|----|----------|-----------|----------|-----------|-----------|----------|--------|
| #1 | k .02321 | k -.07866 | k 4.4134 | k -.26486 | k -.02250 | s 243.85 | 1.0477 |
| #2 | .02550   | -.05627   | 4.2997   | -.15376   | -.02304   | 166.70   | 1.0397 |
| #3 | .02615   | -.05954   | 4.2910   | -.16758   | -.02063   | 165.30   | 1.0444 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2265   | Ca3736   | Cr2677   | Co2286   | Cu2247   | Fe2404   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | s .02128 | k .01451 | k 136.07 | s .25823 | k .15543 | k .79334 | k 350.93 |
| Stddev | .00473   | .02343   | .70      | .09461   | .00334   | .05005   | 3.16     |
| %RSD   | 22.242   | 161.52   | .51772   | 36.639   | 2.1464   | 6.3087   | .90073   |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | s .02675 | k .04156 | k 136.24 | s .36748 | k .15928 | k .85113 | k 347.60 |
| #2 | .01856   | .00143   | 136.67   | .20419   | .15337   | .76406   | 351.30   |
| #3 | .01854   | .00053   | 135.29   | .20303   | .15364   | .76482   | 353.89   |

|        |          |        |          |           |        |          |          |
|--------|----------|--------|----------|-----------|--------|----------|----------|
| Elem   | Mn2576   | Mg2790 | Ni2316   | Ag3280    | Na5895 | V_2924   | Zn2138   |
| Units  | ppm      | ppm    | ppm      | ppm       | ppm    | ppm      | ppm      |
| Avg    | s 9.9813 | 54.233 | k .25655 | s -.05329 | 4.5383 | s .41224 | k 1.3937 |
| Stddev | 2.3263   | .217   | .00192   | .04672    | .0369  | .09530   | .0617    |
| %RSD   | 23.306   | .40021 | .74747   | 87.682    | .81231 | 23.118   | 4.4262   |

|    |          |        |          |           |        |          |          |
|----|----------|--------|----------|-----------|--------|----------|----------|
| #1 | s 12.667 | 54.360 | k .25875 | s -.10724 | 4.5800 | s .52222 | k 1.4649 |
| #2 | 8.6084   | 53.982 | .25526   | -.02655   | 4.5245 | .35402   | 1.3580   |
| #3 | 8.6683   | 54.356 | .25563   | -.02608   | 4.5103 | .36048   | 1.3582   |

|        |        |        |           |          |          |          |          |
|--------|--------|--------|-----------|----------|----------|----------|----------|
| Elem   | K_7664 | Mo2020 | B_2496    | S_1820   | Si2881   | Sn1899   | Ti3361   |
| Units  | ppm    | ppm    | ppm       | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.856 | .00661 | k -.29085 | k 2.3267 | k 2.3105 | k .29868 | k 2.7359 |
| Stddev | .157   | .00034 | .32761    | .0187    | .0277    | .00267   | .0173    |
| %RSD   | .88180 | 5.0934 | 112.64    | .80375   | 1.1974   | .89435   | .63312   |

|    |        |        |           |          |          |          |          |
|----|--------|--------|-----------|----------|----------|----------|----------|
| #1 | 18.037 | .00684 | k -.66914 | k 2.3339 | k 2.3424 | k .30005 | k 2.7201 |
| #2 | 17.757 | .00676 | -.10370   | 2.3408   | 2.2971   | .29560   | 2.7332   |
| #3 | 17.773 | .00622 | -.09972   | 2.3055   | 2.2922   | .30039   | 2.7544   |



Sample Name: K1650-16      Acquired: 3/1/2019 20:58:52      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: B-8(3.5-4.5) Custom ID2:      Custom ID3:  
 Comment:

|           |        |          |          |         |          |
|-----------|--------|----------|----------|---------|----------|
| Elem      | Li6707 | P_1774   | Sr4077   | U_3670  | U_3859   |
| Units     | ppm    | ppm      | ppm      | ppm     | ppm      |
| Avg       | .29830 | kF 11.57 | k .16868 | .28951  | F<.00000 |
| Stddev    | .00344 | .03      | .22378   | .43813  | 45.377   |
| %RSD      | 1.1520 | .2726    | 132.67   | 151.34  | .55393   |
| #1        | .30224 | k 11.60  | k .42707 | -.15051 | -8223.8  |
| #2        | .29587 | 11.56    | .04113   | .72573  | -8211.8  |
| #3        | .29680 | 11.54    | .03784   | .29330  | -8139.9  |
| Int. Std. | Y_2243 | Y_3600   | Y_3710   | In2306  | In2306   |
| Units     | Cts/S  | Cts/S    | Cts/S    | Cts/S   | Cts/S    |
| Avg       | 3881.4 | ^ *****  | 4148.2   | 15.454  | 3388.1   |
| Stddev    | 6.7    | -----    | 16.7     | .735    | 12.6     |
| %RSD      | .17255 | -----    | .40342   | 4.7550  | .37248   |
| #1        | 3873.8 | ^ -----  | 4129.8   | 16.301  | 3374.3   |
| #2        | 3883.7 | 43381.   | 4162.7   | 14.995  | 3391.1   |
| #3        | 3886.6 | 43595.   | 4152.0   | 15.065  | 3399.0   |

Sample Name: K1650-18      Acquired: 3/1/2019 21:03:28      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00101 | -.00691 | .02188 | .00050 | -.00377 | 10.721 | .37751 |
| Stddev | .00232 | .00018  | .00096 | .00171 | .00161  | .125   | .00403 |
| %RSD   | 230.89 | 2.5918  | 4.3929 | 342.99 | 42.775  | 1.1615 | 1.0666 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00124 | -.00694 | .02178 | .00194  | -.00228 | 10.590 | .38168 |
| #2 | .00087  | -.00707 | .02289 | .00095  | -.00354 | 10.837 | .37720 |
| #3 | .00339  | -.00671 | .02097 | -.00139 | -.00549 | 10.737 | .37364 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00118 | -.00079 | 45.686 | .02270 | .01070 | .05109 | 16.123 |
| Stddev | .00007 | .00006  | .467   | .00074 | .00016 | .00033 | .021   |
| %RSD   | 5.8478 | 7.0118  | 1.0225 | 3.2438 | 1.4581 | .65148 | .12811 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00126 | -.00078 | 45.176 | .02355 | .01067 | .05142 | 16.143 |
| #2 | .00115 | -.00074 | 45.790 | .02234 | .01056 | .05075 | 16.102 |
| #3 | .00113 | -.00085 | 46.092 | .02221 | .01086 | .05109 | 16.126 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6836 | 12.406 | .01962 | -.00134 | 58.156 | .02447 | .05968 |
| Stddev | .0030  | .224   | .00018 | .00005  | .319   | .00049 | .00022 |
| %RSD   | .18016 | 1.8051 | .89672 | 3.9473  | .54912 | 2.0149 | .37081 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.6802 | 12.154 | .01959 | -.00139 | 58.396 | .02504 | .05991 |
| #2 | 1.6843 | 12.483 | .01947 | -.00136 | 57.794 | .02421 | .05947 |
| #3 | 1.6862 | 12.582 | .01981 | -.00128 | 58.280 | .02417 | .05966 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 5.8109 | .00693 | .03422 | 5.7007 | F 22.171 | .00132 | .33847 |
| Stddev | .0280  | .00038 | .00891 | .0019  | .091     | .00065 | .00256 |
| %RSD   | .48146 | 5.5275 | 26.053 | .03387 | .40900   | 48.983 | .75770 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.7852 | .00661 | .02880 | 5.7011 | 22.273 | .00126 | .33551 |
| #2 | 5.8407 | .00682 | .02934 | 5.6986 | 22.139 | .00199 | .33986 |
| #3 | 5.8068 | .00735 | .04450 | 5.7024 | 22.100 | .00070 | .34004 |

Sample Name: K1650-18      Acquired: 3/1/2019 21:03:28      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .02088 | 1.003  | .19020 | 4.2521 | F<.00000 |
| Stddev | .00092 | .001   | .00079 | .2818  | 5.7674   |
| %RSD   | 4.4096 | .1121  | .41767 | 6.6269 | 2.8867   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01986 | 1.001 | .18966 | 3.9731 | -195.01 |
| #2 | .02164 | 1.003 | .19111 | 4.2465 | -206.20 |
| #3 | .02113 | 1.003 | .18982 | 4.5366 | -198.17 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3546.9 | 39780. | 3675.7 | 15.062 | 3715.6 |
| Stddev    | 35.7   | 43.    | 24.5   | .419   | 16.0   |
| %RSD      | 1.0056 | .10707 | .66647 | 2.7842 | .43023 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3518.3 | 39804. | 3647.5 | 15.528 | 3700.3 |
| #2 | 3535.5 | 39731. | 3692.1 | 14.716 | 3714.3 |
| #3 | 3586.9 | 39805. | 3687.4 | 14.942 | 3732.2 |

Sample Name: K1650-18DUP      Acquired: 3/1/2019 21:07:51      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00140 | -.00690 | .02353 | -.00090 | -.00486 | 10.771 | .37363 |
| Stddev | .00249 | .00333  | .00046 | .00134  | .00262  | .192   | .00881 |
| %RSD   | 178.64 | 48.227  | 1.9502 | 149.11  | 53.954  | 1.7850 | 2.3582 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00114 | -.01071 | .02399 | -.00180 | -.00515 | 10.551 | .36354 |
| #2 | .00148  | -.00537 | .02351 | .00064  | -.00211 | 10.907 | .37750 |
| #3 | .00385  | -.00460 | .02308 | -.00154 | -.00733 | 10.854 | .37984 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00125 | -.00089 | 46.308 | .02213 | .01071 | .05142 | 16.289 |
| Stddev | .00006 | .00016  | .155   | .00045 | .00014 | .00082 | .193   |
| %RSD   | 5.1371 | 18.040  | .33469 | 2.0484 | 1.3248 | 1.5863 | 1.1821 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00132 | -.00074 | 46.314 | .02165 | .01083 | .05051 | 16.499 |
| #2 | .00122 | -.00106 | 46.459 | .02220 | .01055 | .05163 | 16.247 |
| #3 | .00120 | -.00086 | 46.150 | .02254 | .01074 | .05210 | 16.121 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.6974 | 12.738 | .01973 | -.00135 | 58.894 | .02439 | .06000 |
| Stddev | .0027  | .211   | .00029 | .00049  | .347   | .00034 | .00013 |
| %RSD   | .15687 | 1.6592 | 1.4842 | 35.953  | .58984 | 1.3787 | .21784 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.6956 | 12.666 | .01980 | -.00176 | 59.215 | .02451 | .05993 |
| #2 | 1.6961 | 12.975 | .01941 | -.00081 | 58.942 | .02401 | .05993 |
| #3 | 1.7005 | 12.571 | .01998 | -.00148 | 58.525 | .02465 | .06015 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 5.8674 | .00703 | .04358 | 5.7472 | F 22.236 | .00038 | .33921 |
| Stddev | .0640  | .00027 | .00607 | .0376  | .302     | .00050 | .00296 |
| %RSD   | 1.0910 | 3.8962 | 13.928 | .65350 | 1.3602   | 132.16 | .87365 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 5.8125 | .00702 | .04859 | 5.7112 | 22.573 | .00036  | .33844 |
| #2 | 5.9377 | .00676 | .03683 | 5.7443 | 22.147 | -.00011 | .33670 |
| #3 | 5.8519 | .00731 | .04531 | 5.7861 | 21.987 | .00088  | .34248 |

Sample Name: K1650-18DUP      Acquired: 3/1/2019 21:07:51      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02408 | 1.012  | .19252 | 4.5890 | F<.00000 |
| Stddev | .00347 | .004   | .00122 | .1769  | 5.2095   |
| %RSD   | 14.420 | .4201  | .63181 | 3.8550 | 2.6044   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02059 | 1.015 | .19186 | 4.3898 | -194.62 |
| #2 | .02753 | 1.013 | .19393 | 4.7278 | -205.01 |
| #3 | .02413 | 1.007 | .19179 | 4.6494 | -200.46 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3520.0 | 39712. | 3655.8 | 16.664 | 3698.1 |
| Stddev    | 7.3    | 110.   | 37.5   | 1.404  | 7.2    |
| %RSD      | .20758 | .27687 | 1.0263 | 8.4248 | .19367 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3513.9 | 39824. | 3612.7 | 15.075 | 3690.8 |
| #2 | 3518.1 | 39709. | 3673.8 | 17.177 | 3698.3 |
| #3 | 3528.1 | 39604. | 3681.0 | 17.738 | 3705.1 |

Sample Name: K1650-18LX5      Acquired: 3/1/2019 21:12:15      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00155 | -.00109 | .00501 | .00028 | -.00337 | 2.3766 | .06928 |
| Stddev | .00318 | .00374  | .00174 | .00292 | .00045  | .0227  | .00287 |
| %RSD   | 205.26 | 343.39  | 34.767 | 1038.9 | 13.496  | .95307 | 4.1379 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | .00028  | .00107  | .00664 | .00025  | -.00312 | 2.3704 | .06633 |
| #2 | .00517  | -.00541 | .00318 | -.00263 | -.00389 | 2.3577 | .07205 |
| #3 | -.00080 | .00107  | .00522 | .00322  | -.00310 | 2.4017 | .06946 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00035 | -.00020 | 9.8183 | .00508 | .00229 | .01125 | 3.8471 |
| Stddev | .00004 | .00004  | .0352  | .00030 | .00021 | .00015 | .0041  |
| %RSD   | 11.450 | 20.667  | .35854 | 5.8471 | 9.2423 | 1.3053 | .10554 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00034 | -.00025 | 9.8587 | .00506 | .00207 | .01112 | 3.8452 |
| #2 | .00040 | -.00019 | 9.7941 | .00479 | .00249 | .01123 | 3.8518 |
| #3 | .00032 | -.00017 | 9.8022 | .00538 | .00230 | .01141 | 3.8444 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .36965 | 2.8283 | .00379 | -.00044 | 12.180 | .00531 | .01341 |
| Stddev | .00078 | .0743  | .00058 | .00092  | .100   | .00042 | .00006 |
| %RSD   | .21012 | 2.6283 | 15.364 | 209.94  | .82203 | 7.8212 | .41083 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .36957 | 2.8049 | .00312 | -.00057 | 12.226 | .00551 | .01347 |
| #2 | .36891 | 2.7685 | .00419 | -.00128 | 12.249 | .00484 | .01336 |
| #3 | .37046 | 2.9115 | .00404 | .00054  | 12.065 | .00560 | .01341 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.3699 | .00145 | .01374 | 1.2010 | 5.3345 | .00110 | .08059 |
| Stddev | .0519  | .00021 | .01153 | .0208  | .0126  | .00068 | .00461 |
| %RSD   | 3.7904 | 14.325 | 83.916 | 1.7299 | .23561 | 61.417 | 5.7198 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4280 | .00169 | .00065 | 1.1948 | 5.3346 | .00148 | .08069 |
| #2 | 1.3536 | .00133 | .02238 | 1.1840 | 5.3471 | .00151 | .08515 |
| #3 | 1.3281 | .00134 | .01821 | 1.2242 | 5.3220 | .00032 | .07593 |

Sample Name: K1650-18LX5      Acquired: 3/1/2019 21:12:15      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .00426 | .2081  | .04036 | 4.0659 | F<.00000 |
| Stddev    | .00170 | .0026  | .00022 | .0714  | 9.7775   |
| %RSD      | 39.777 | 1.261  | .53737 | 1.7556 | 26.565   |
| #1        | .00400 | .2081  | .04011 | 4.1405 | -40.572  |
| #2        | .00608 | .2055  | .04050 | 4.0589 | -44.142  |
| #3        | .00272 | .2108  | .04048 | 3.9983 | -25.706  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3581.1 | 40278. | 3618.5 | 15.373 | 3909.8   |
| Stddev    | 14.8   | 4.     | 23.7   | .781   | 4.6      |
| %RSD      | .41438 | .00964 | .65629 | 5.0772 | .11709   |
| #1        | 3598.2 | 40282. | 3611.9 | 16.267 | 3909.8   |
| #2        | 3573.6 | 40274. | 3598.8 | 14.826 | 3914.3   |
| #3        | 3571.6 | 40278. | 3644.9 | 15.026 | 3905.2   |

Sample Name: K1650-18MS      Acquired: 3/1/2019 21:16:40      Type: Unk  
Method: P4-ICP2(v2905)      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    | .83017 | 2.0699 | 1.0342 | 2.0850 | .83534 | 13.353 | .60578 |
| Stddev | .00367 | .0088  | .0025  | .0191  | .00719 | .128   | .00547 |
| %RSD   | .44181 | .42417 | .24185 | .91405 | .86117 | .95691 | .90224 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .83414 | 2.0625 | 1.0314 | 2.1044 | .84356 | 13.218 | .60029 |
| #2 | .82691 | 2.0675 | 1.0352 | 2.0842 | .83017 | 13.471 | .60582 |
| #3 | .82947 | 2.0796 | 1.0361 | 2.0663 | .83230 | 13.371 | .61122 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21311 | .20111 | 48.713 | .46042 | .22246 | .37343 | 18.376 |
| Stddev | .00112 | .00112 | .076   | .00319 | .00013 | .00374 | .105   |
| %RSD   | .52540 | .55799 | .15507 | .69218 | .05619 | 1.0028 | .56970 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21362 | .19981 | 48.630 | .45687 | .22249 | .37754 | 18.415 |
| #2 | .21183 | .20168 | 48.733 | .46303 | .22256 | .37254 | 18.258 |
| #3 | .21389 | .20183 | 48.777 | .46136 | .22232 | .37021 | 18.456 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.9296 | 15.026 | .53746 | .07779 | 63.739 | .34685 | .28507 |
| Stddev | .0018  | .204   | .00241 | .00100 | .579   | .00488 | .00116 |
| %RSD   | .09466 | 1.3560 | .44819 | 1.2916 | .90763 | 1.4068 | .40786 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9285 | 14.856 | .53478 | .07748 | 64.022 | .34437 | .28377 |
| #2 | 1.9285 | 15.252 | .53945 | .07699 | 63.073 | .34371 | .28544 |
| #3 | 1.9317 | 14.969 | .53815 | .07892 | 64.122 | .35247 | .28601 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 15.806 | .43233 | .34797 | 5.8394 | F 24.826 | .70696 | .51961 |
| Stddev | .104   | .00198 | .00951 | .0121  | .149     | .00188 | .00280 |
| %RSD   | .65761 | .45818 | 2.7325 | .20789 | .59875   | .26643 | .53967 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.804 | .43449 | .33782 | 5.8311 | 24.954 | .70495 | .51742 |
| #2 | 15.703 | .43059 | .35667 | 5.8533 | 24.663 | .70724 | .51863 |
| #3 | 15.911 | .43191 | .34942 | 5.8337 | 24.861 | .70868 | .52277 |



Sample Name: K1650-18MS      Acquired: 3/1/2019 21:16:40      Type: Unk  
Method: P4-ICP2(v2905)      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       | .24907 | 7.097  | .40424 | 4.9266 | F<.00000 |
| Stddev    | .00073 | .024   | .00307 | .0871  | 5.1319   |
| %RSD      | .29447 | .3411  | .76051 | 1.7678 | 1.9361   |
| #1        | .24889 | 7.071  | .40531 | 4.8278 | -270.48  |
| #2        | .24845 | 7.102  | .40077 | 4.9596 | -264.43  |
| #3        | .24988 | 7.119  | .40663 | 4.9923 | -260.27  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3492.1 | 39444. | 3594.1 | 14.342 | 3666.8   |
| Stddev    | 15.0   | 94.    | 23.3   | .761   | 16.4     |
| %RSD      | .42839 | .23915 | .64848 | 5.3049 | .44667   |
| #1        | 3475.3 | 39530. | 3578.3 | 13.481 | 3684.1   |
| #2        | 3497.2 | 39459. | 3620.9 | 14.924 | 3651.6   |
| #3        | 3503.9 | 39343. | 3583.2 | 14.622 | 3664.9   |

Sample Name: K1650-18MSD      Acquired: 3/1/2019 21:20:48      Type: Unk  
Method: P4-ICP2(v2905)      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    | .82206 | 2.0719 | 1.0346 | 2.0707 | .82810 | 13.324 | .60808 |
| Stddev | .00291 | .0028  | .0021  | .0132  | .00155 | .099   | .00212 |
| %RSD   | .35436 | .13704 | .20585 | .63688 | .18729 | .74497 | .34921 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82104 | 2.0752 | 1.0326 | 2.0566 | .82641 | 13.433 | .61036 |
| #2 | .82535 | 2.0705 | 1.0343 | 2.0727 | .82842 | 13.302 | .60616 |
| #3 | .81979 | 2.0701 | 1.0369 | 2.0827 | .82947 | 13.238 | .60770 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21097 | .20135 | 48.404 | .45674 | .22240 | .37215 | 18.252 |
| Stddev | .00024 | .00085 | .373   | .00150 | .00075 | .00117 | .255   |
| %RSD   | .11543 | .42421 | .77134 | .32947 | .33593 | .31509 | 1.3975 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21089 | .20055 | 48.145 | .45664 | .22178 | .37093 | 17.978 |
| #2 | .21125 | .20225 | 48.234 | .45830 | .22219 | .37224 | 18.296 |
| #3 | .21078 | .20125 | 48.832 | .45529 | .22323 | .37327 | 18.482 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.9170 | 15.074 | .53805 | .07658 | 63.611 | .34407 | .28473 |
| Stddev | .0039  | .092   | .00075 | .00037 | .828   | .00214 | .00094 |
| %RSD   | .20231 | .61081 | .13881 | .48964 | 1.3022 | .62199 | .33115 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9197 | 14.990 | .53761 | .07654 | 62.708 | .34425 | .28365 |
| #2 | 1.9188 | 15.059 | .53891 | .07698 | 63.788 | .34611 | .28536 |
| #3 | 1.9126 | 15.172 | .53763 | .07623 | 64.336 | .34184 | .28519 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 15.877 | .43099 | .33921 | 5.8187 | F 24.734 | .70990 | .51584 |
| Stddev | .030   | .00157 | .01139 | .0308  | .370     | .00095 | .00157 |
| %RSD   | .18866 | .36508 | 3.3575 | .52855 | 1.4959   | .13385 | .30451 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 15.862 | .42987 | .32682 | 5.8177 | 24.349 | .70924 | .51699 |
| #2 | 15.858 | .43279 | .34922 | 5.7885 | 24.765 | .71099 | .51648 |
| #3 | 15.912 | .43032 | .34160 | 5.8500 | 25.087 | .70947 | .51405 |

Sample Name: K1650-18MSD      Acquired: 3/1/2019 21:20:48      Type: Unk  
Method: P4-ICP2(v2905)      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       | .25004 | 7.109  | .40166 | 4.5218 | F<.00000 |
| Stddev    | .00083 | .005   | .00476 | .0062  | 2.2541   |
| %RSD      | .33335 | .0721  | 1.1846 | .13778 | .83528   |
| #1        | .24925 | 7.104  | .39623 | 4.5164 | -267.25  |
| #2        | .25091 | 7.114  | .40368 | 4.5204 | -271.10  |
| #3        | .24996 | 7.109  | .40507 | 4.5286 | -271.22  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3520.8 | 39868. | 3621.7 | 16.312 | 3675.2   |
| Stddev    | 3.6    | 122.   | 41.5   | .855   | 6.8      |
| %RSD      | .10121 | .30662 | 1.1465 | 5.2418 | .18569   |
| #1        | 3517.0 | 39850. | 3665.3 | 16.901 | 3668.8   |
| #2        | 3521.2 | 39756. | 3617.2 | 15.332 | 3674.6   |
| #3        | 3524.0 | 39999. | 3582.6 | 16.705 | 3682.4   |

Sample Name: K1650-18A      Acquired: 3/1/2019 21:24:55      Type: Unk  
Method: P4-ICP2(v2905)      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    | .82754 | 2.0868 | 1.0456 | 2.0857 | .83527 | 13.542 | .60400 |
| Stddev | .00744 | .0131  | .0049  | .0072  | .00218 | .061   | .00487 |
| %RSD   | .89862 | .62847 | .46986 | .34422 | .26065 | .44858 | .80576 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82018 | 2.0717 | 1.0399 | 2.0827 | .83281 | 13.611 | .60083 |
| #2 | .83505 | 2.0951 | 1.0483 | 2.0939 | .83693 | 13.512 | .60961 |
| #3 | .82740 | 2.0935 | 1.0486 | 2.0805 | .83608 | 13.501 | .60157 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21327 | .20293 | 48.938 | .46256 | .22391 | .37524 | 18.484 |
| Stddev | .00031 | .00054 | .037   | .00064 | .00069 | .00105 | .044   |
| %RSD   | .14478 | .26828 | .07481 | .13802 | .30999 | .28082 | .23713 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21331 | .20232 | 48.958 | .46184 | .22342 | .37411 | 18.454 |
| #2 | .21294 | .20312 | 48.961 | .46278 | .22470 | .37541 | 18.535 |
| #3 | .21356 | .20336 | 48.896 | .46307 | .22359 | .37620 | 18.464 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.9337 | 15.152 | .54294 | .07801 | 64.139 | .34660 | .28628 |
| Stddev | .0036  | .057   | .00157 | .00023 | .164   | .00025 | .00071 |
| %RSD   | .18436 | .37371 | .28887 | .29160 | .25544 | .07128 | .24755 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9321 | 15.110 | .54165 | .07791 | 64.068 | .34644 | .28552 |
| #2 | 1.9377 | 15.130 | .54468 | .07784 | 64.022 | .34688 | .28693 |
| #3 | 1.9311 | 15.216 | .54249 | .07827 | 64.326 | .34647 | .28638 |

|        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 16.018 | .43334 | .34340 | 5.9045 | F 25.064 | .71224 | .52904 |
| Stddev | .008   | .00153 | .00403 | .0070  | .029     | .00254 | .00517 |
| %RSD   | .04953 | .35227 | 1.1744 | .11894 | .11766   | .35682 | .97649 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 16.009 | .43168 | .34140 | 5.8973 | 25.066 | .71052 | .53495 |
| #2 | 16.024 | .43364 | .34075 | 5.9113 | 25.092 | .71104 | .52539 |
| #3 | 16.021 | .43469 | .34804 | 5.9048 | 25.033 | .71515 | .52678 |

Sample Name: K1650-18A      Acquired: 3/1/2019 21:24:55      Type: Unk  
Method: P4-ICP2(v2905)      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    | .25054 | 7.153  | .40852 | 4.8231 | F<.00000 |
| Stddev | .00091 | .026   | .00298 | .0669  | 3.4784   |
| %RSD   | .36521 | .3675  | .72950 | 1.3862 | 1.2885   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .25015 | 7.122 | .41194 | 4.9003 | -266.30 |
| #2 | .25158 | 7.168 | .40712 | 4.7840 | -273.22 |
| #3 | .24988 | 7.168 | .40649 | 4.7850 | -270.32 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3503.0 | 39566. | 3603.2 | 15.965 | 3653.5 |
| Stddev    | 4.6    | 95.    | 2.9    | .950   | 2.5    |
| %RSD      | .13195 | .23893 | .08074 | 5.9497 | .06881 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3497.7 | 39477. | 3601.5 | 17.043 | 3650.6 |
| #2 | 3504.8 | 39555. | 3601.6 | 15.605 | 3655.1 |
| #3 | 3506.4 | 39665. | 3606.6 | 15.248 | 3654.7 |

Sample Name: K1650-19      Acquired: 3/1/2019 21:29:02      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00037 | -.01464 | .04974 | -.00929 | -.00545 | 28.766 | .69559 |
| Stddev | .00468 | .00139  | .00116 | .00274  | .00248  | .090   | .00420 |
| %RSD   | 1276.3 | 9.5103  | 2.3296 | 29.435  | 45.459  | .31415 | .60400 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00141 | -.01487 | .04908 | -.01144 | -.00804 | 28.671 | .69150 |
| #2 | -.00317 | -.01314 | .05108 | -.00621 | -.00520 | 28.850 | .69537 |
| #3 | .00568  | -.01590 | .04906 | -.01023 | -.00311 | 28.779 | .69990 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00246 | -.00173 | 118.92 | .04164 | .02502 | .08850 | 41.249 |
| Stddev | .00002 | .00014  | .02    | .00066 | .00029 | .00090 | .091   |
| %RSD   | .86620 | 8.0519  | .01401 | 1.5751 | 1.1519 | 1.0224 | .22166 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00244 | -.00182 | 118.94 | .04183 | .02527 | .08917 | 41.308 |
| #2 | .00246 | -.00157 | 118.91 | .04217 | .02510 | .08885 | 41.144 |
| #3 | .00249 | -.00180 | 118.91 | .04090 | .02471 | .08747 | 41.295 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 2.6520 | 23.164 | .05069 | -.00365 | 104.13 | .05833 | .14605 |
| Stddev | .0017  | .103   | .00057 | .00007  | .44    | .00022 | .00151 |
| %RSD   | .06211 | .44603 | 1.1150 | 2.0175  | .42511 | .37903 | 1.0336 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 2.6502 | 23.073 | .05107 | -.00363 | 104.39 | .05828 | .14538 |
| #2 | 2.6535 | 23.143 | .05096 | -.00358 | 104.37 | .05857 | .14778 |
| #3 | 2.6523 | 23.276 | .05004 | -.00373 | 103.61 | .05813 | .14500 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 13.731 | .00926 | .08780 | F 17.006 | F 47.688 | -.00100 | .85477 |
| Stddev | .042   | .00043 | .01434 | .161     | .078     | .00022  | .00122 |
| %RSD   | .30344 | 4.6633 | 16.328 | .94383   | .16381   | 22.511  | .14316 |

|    |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|---------|--------|
| #1 | 13.771 | .00951 | .08827 | 17.005 | 47.778 | -.00117 | .85601 |
| #2 | 13.733 | .00876 | .10189 | 17.167 | 47.633 | -.00074 | .85473 |
| #3 | 13.688 | .00952 | .07323 | 16.846 | 47.653 | -.00107 | .85357 |

Sample Name: K1650-19      Acquired: 3/1/2019 21:29:02      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .07209 | 2.675  | .35774 | 4.4102 | F<.00000 |
| Stddev    | .00136 | .024   | .00171 | .2504  | 7.1576   |
| %RSD      | 1.8853 | .8865  | .47668 | 5.6766 | 1.2796   |
| #1        | .07234 | 2.674  | .35577 | 4.2926 | -563.50  |
| #2        | .07062 | 2.700  | .35864 | 4.2403 | -551.11  |
| #3        | .07330 | 2.653  | .35880 | 4.6977 | -563.52  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3550.1 | 39799. | 3698.3 | 15.908 | 3547.3   |
| Stddev    | 15.0   | 23.    | 15.9   | .640   | 19.3     |
| %RSD      | .42160 | .05846 | .42918 | 4.0228 | .54377   |
| #1        | 3535.2 | 39774. | 3680.5 | 15.885 | 3562.3   |
| #2        | 3550.2 | 39820. | 3703.6 | 16.558 | 3525.5   |
| #3        | 3565.1 | 39802. | 3710.9 | 15.279 | 3554.2   |

Sample Name: K1629-02      Acquired: 3/1/2019 21:33:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | -.00229 | .04838 | .00018 | -.00335 | 1.0363 | .05426 |
| Stddev | .00472  | .00174  | .00213 | .00101 | .00071  | .0061  | .00083 |
| %RSD   | 15181.  | 75.979  | 4.3980 | 558.05 | 21.107  | .58755 | 1.5212 |

|    |         |         |        |         |         |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|
| #1 | -.00304 | -.00421 | .04871 | .00079  | -.00384 | 1.0301 | .05330 |
| #2 | -.00246 | -.00081 | .04610 | -.00098 | -.00367 | 1.0423 | .05478 |
| #3 | .00541  | -.00186 | .05032 | .00074  | -.00254 | 1.0366 | .05468 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00028 | -.00057 | 87.256 | .00335 | .00170 | .02602 | 12.412 |
| Stddev | .00001 | .00001  | .496   | .00022 | .00016 | .00043 | .049   |
| %RSD   | 4.2613 | 2.5950  | .56871 | 6.5538 | 9.5199 | 1.6516 | .39708 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00026 | -.00058 | 87.828 | .00348 | .00189 | .02633 | 12.433 |
| #2 | .00028 | -.00055 | 86.946 | .00347 | .00161 | .02619 | 12.447 |
| #3 | .00029 | -.00057 | 86.994 | .00309 | .00161 | .02553 | 12.356 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .38617 | 6.0536 | .00406 | -.00132 | 339.53 | .00366 | .53413 |
| Stddev | .00083 | .0957  | .00069 | .00033  | 4.29   | .00011 | .00127 |
| %RSD   | .21445 | 1.5802 | 16.901 | 24.988  | 1.2644 | 2.9055 | .23738 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .38535 | 5.9458 | .00328 | -.00152 | 343.64 | .00355 | .53350 |
| #2 | .38701 | 6.1283 | .00454 | -.00094 | 339.87 | .00367 | .53329 |
| #3 | .38614 | 6.0867 | .00438 | -.00150 | 335.08 | .00376 | .53559 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 7.4177 | .00263 | .03192 | 4.0039 | 7.3311 | .00256 | .03479 |
| Stddev | .0190  | .00005 | .01276 | .0195  | .0257  | .00103 | .00288 |
| %RSD   | .25673 | 1.7266 | 39.985 | .48804 | .35003 | 40.216 | 8.2733 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.4199 | .00257 | .03482 | 3.9899 | 7.3532 | .00316 | .03782 |
| #2 | 7.3976 | .00265 | .04299 | 3.9956 | 7.3372 | .00137 | .03209 |
| #3 | 7.4355 | .00265 | .01796 | 4.0262 | 7.3030 | .00315 | .03445 |



Sample Name: K1629-02      Acquired: 3/1/2019 21:33:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 002M-35TH-AV      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .01352 | 1.206  | .34108 | 4.9361 | F<.00000 |
| Stddev | .00253 | .004   | .00097 | .1654  | 5.3578   |
| %RSD   | 18.678 | .3632  | .28527 | 3.3509 | 5.2529   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .01621 | 1.201 | .33995 | 4.8496 | -97.624 |
| #2 | .01314 | 1.207 | .34159 | 5.1268 | -100.39 |
| #3 | .01121 | 1.209 | .34168 | 4.8319 | -107.97 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3474.2 | 38575. | 3691.0 | 14.983 | 3538.9 |
| Stddev    | 4.1    | 207.   | 16.3   | 1.165  | 22.5   |
| %RSD      | .11823 | .53750 | .44107 | 7.7730 | .63479 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3478.5 | 38723. | 3687.5 | 13.897 | 3541.8 |
| #2 | 3470.4 | 38338. | 3676.7 | 16.213 | 3559.9 |
| #3 | 3473.7 | 38664. | 3708.7 | 14.838 | 3515.2 |

Sample Name: CCV11      Acquired: 3/1/2019 21:37:54      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.0842 | 5.0722 | 5.0151 | 5.1980 | 5.1279 | 10.388   | 10.519 | .25591   |
| Stddev | .0119  | .0191  | .0135  | .0230  | .0254  | .191     | .886   | .00074   |
| %RSD   | .23488 | .37625 | .26919 | .44232 | .49467 | 1.8384   | 8.4224 | .29015   |
| #1     | 5.0876 | 5.0831 | 5.0297 | 5.2180 | 5.1488 | 10.581   | 11.521 | .25632   |
| #2     | 5.0940 | 5.0833 | 5.0123 | 5.2030 | 5.1352 | 10.384   | 9.8407 | .25636   |
| #3     | 5.0709 | 5.0501 | 5.0031 | 5.1729 | 5.0997 | 10.200   | 10.195 | .25505   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.4797 | 26.342 | 1.0364 | 2.5243 | 1.2818 | F 5.5103 | 2.5619 | F 27.742 |
| Stddev | .0075  | 2.158  | .0021  | .0119  | .0039  | .3977    | .0050  | 2.423    |
| %RSD   | .30219 | 8.1906 | .20099 | .47113 | .30555 | 7.2165   | .19665 | 8.7336   |
| #1     | 2.4855 | 28.800 | 1.0386 | 2.5321 | 1.2841 | 5.9500   | 2.5668 | 30.517   |
| #2     | 2.4823 | 24.762 | 1.0363 | 2.5302 | 1.2840 | 5.1758   | 2.5621 | 26.050   |
| #3     | 2.4712 | 25.465 | 1.0344 | 2.5106 | 1.2772 | 5.4051   | 2.5567 | 26.659   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.6965 | 1.3189 | 26.893 | 2.6528 | 2.4884 | F 27.526 | 5.0854 | 5.0881   |
| Stddev | .0094  | .0056  | 2.199  | .0107  | .0124  | 2.052    | .0155  | .3634    |
| %RSD   | .34729 | .42736 | 8.1761 | .40150 | .49832 | 7.4550   | .30511 | 7.1413   |
| #1     | 2.7035 | 1.3241 | 29.384 | 2.6536 | 2.4971 | 29.844   | 5.1004 | 5.5004   |
| #2     | 2.7000 | 1.3198 | 25.225 | 2.6629 | 2.4938 | 25.941   | 5.0863 | 4.8144   |
| #3     | 2.6858 | 1.3129 | 26.069 | 2.6417 | 2.4742 | 26.794   | 5.0694 | 4.9496   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 5.1182 | 5.2724 | 4.9807 | 5.2204 | 5.1488 | 5.114    | 5.2520 | 5.1791   |
| Stddev | .0445  | .3644  | .0119  | .4073  | .4076  | .013     | .4251  | .0798    |
| %RSD   | .86877 | 6.9112 | .23871 | 7.8030 | 7.9170 | .2565    | 8.0938 | 1.5410   |
| #1     | 5.0669 | 5.6734 | 4.9905 | 5.6842 | 5.6096 | 5.099    | 5.7295 | 5.2702   |
| #2     | 5.1457 | 4.9615 | 4.9842 | 4.9211 | 4.8355 | 5.122    | 4.9149 | 5.1454   |
| #3     | 5.1420 | 5.1823 | 4.9675 | 5.0557 | 5.0013 | 5.121    | 5.1116 | 5.1216   |

Sample Name: CCV11      Acquired: 3/1/2019 21:37:54      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 10.137  
Stddev      3.424  
%RSD      33.775

#1      6.8028  
#2      13.644  
#3      9.9656

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3487.4 | 38805. | 3493.0 | 15.886 | 3610.5 |
| Stddev    | 15.6   | 162.   | 240.8  | 3.193  | 18.7   |
| %RSD      | .44645 | .41743 | 6.8922 | 20.101 | .51707 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3475.5 | 38698. | 3226.3 | 14.562 | 3596.5 |
| #2 | 3481.7 | 38726. | 3694.2 | 19.528 | 3603.2 |
| #3 | 3505.0 | 38992. | 3558.6 | 13.568 | 3631.7 |

Sample Name: CCB11      Acquired: 3/1/2019 21:41:55      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00116 | .00094 | -.00040 | .00415 | -.00065 | .01089 | -.01539 | .00004 |
| Stddev | .00122 | .00178 | .00118  | .00245 | .00043  | .00591 | .00157  | .00001 |
| %RSD   | 105.21 | 188.22 | 298.46  | 59.049 | 66.178  | 54.275 | 10.205  | 15.647 |

|    |         |         |         |        |         |        |         |        |
|----|---------|---------|---------|--------|---------|--------|---------|--------|
| #1 | -.00025 | .00015  | -.00062 | .00133 | -.00078 | .01766 | -.01391 | .00005 |
| #2 | .00184  | .00298  | -.00145 | .00544 | -.00101 | .00678 | -.01704 | .00005 |
| #3 | .00188  | -.00030 | .00088  | .00569 | -.00017 | .00822 | -.01523 | .00004 |

|        |         |         |         |        |        |         |        |        |
|--------|---------|---------|---------|--------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286 | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00003 | -.01990 | -.00006 | .00017 | .00017 | -.00106 | .00000 | .04291 |
| Stddev | .00009  | .01872  | .00021  | .00012 | .00025 | .00096  | .00009 | .03523 |
| %RSD   | 288.63  | 94.090  | 336.23  | 68.572 | 147.74 | 90.581  | 2090.3 | 82.103 |

|    |         |         |         |        |         |         |         |        |
|----|---------|---------|---------|--------|---------|---------|---------|--------|
| #1 | .00007  | -.03753 | -.00004 | .00004 | -.00012 | .00004  | -.00009 | .08357 |
| #2 | -.00009 | -.00024 | .00013  | .00026 | .00031  | -.00170 | .00003  | .02381 |
| #3 | -.00007 | -.02193 | -.00028 | .00021 | .00032  | -.00153 | .00008  | .02136 |

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00032 | -.00006 | .00802 | -.00009 | -.00036 | .08055 | .00028 | .02404 |
| Stddev | .00090  | .00072  | .01192 | .00016  | .00008  | .01880 | .00025 | .01061 |
| %RSD   | 279.17  | 1268.0  | 148.69 | 174.25  | 21.091  | 23.343 | 87.876 | 44.128 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | .00012  | .00027  | .00412  | .00001  | -.00043 | .06860 | .00043  | .01336 |
| #2 | -.00136 | -.00089 | -.00147 | -.00001 | -.00028 | .10222 | .00042  | .03457 |
| #3 | .00028  | .00044  | .02140  | -.00028 | -.00037 | .07083 | -.00000 | .02419 |

|        |          |        |        |        |        |        |        |          |
|--------|----------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820   | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm      | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | F .04593 | .00406 | .00099 | .00169 | .00133 | .0005  | .00023 | F 4.0451 |
| Stddev | .01053   | .00202 | .00071 | .00132 | .00263 | .0010  | .00035 | .1333    |
| %RSD   | 22.930   | 49.707 | 71.427 | 78.190 | 196.94 | 194.0  | 152.79 | 3.2954   |

|    |        |        |        |        |         |        |         |        |
|----|--------|--------|--------|--------|---------|--------|---------|--------|
| #1 | .03715 | .00361 | .00070 | .00017 | .00176  | .0001  | .00058  | 4.1793 |
| #2 | .04304 | .00627 | .00047 | .00230 | -.00148 | .0016  | .00022  | 3.9127 |
| #3 | .05761 | .00231 | .00179 | .00260 | .00372  | -.0002 | -.00011 | 4.0434 |

Sample Name: CCB11      Acquired: 3/1/2019 21:41:55      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 1.4702 |
| Stddev | 3.2297   |
| %RSD   | 219.68   |

|    |         |
|----|---------|
| #1 | -.09798 |
| #2 | -.67601 |
| #3 | 5.1846  |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3613.5 | 40475. | 3595.2 | 16.319 | 4053.5 |
| Stddev    | 7.1    | 262.   | 25.2   | 1.359  | 2.5    |
| %RSD      | .19772 | .64708 | .70121 | 8.3267 | .06056 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3615.0 | 40611. | 3578.7 | 14.900 | 4052.5 |
| #2 | 3605.8 | 40173. | 3582.7 | 16.450 | 4056.3 |
| #3 | 3619.8 | 40642. | 3624.3 | 17.608 | 4051.7 |

Sample Name: K1667-01      Acquired: 3/1/2019 21:46:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW4M-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |         |         |         |        |         |        |
|--------|----------|----------|---------|---------|---------|--------|---------|--------|
| Elem   | As1890   | Tl1908   | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934  | Be2348 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .01237   | -.00032  | .00725  | .00433  | -.00315 | .22686 | -.00651 | .00011 |
| Stddev | .00168   | .00062   | .00065  | .00195  | .00083  | .01553 | .00514  | .00004 |
| %RSD   | 13.608   | 195.28   | 8.9409  | 45.072  | 26.209  | 6.8454 | 78.981  | 32.582 |
| #1     | .01102   | .00040   | .00657  | .00224  | -.00371 | .21577 | -.00927 | .00009 |
| #2     | .01184   | -.00066  | .00732  | .00611  | -.00354 | .24461 | -.00969 | .00015 |
| #3     | .01425   | -.00069  | .00786  | .00464  | -.00220 | .22020 | -.00058 | .00009 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576  | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00037   | 16.128   | .00018  | -.00007 | .00600  | .01493 | .00204  | .59159 |
| Stddev | .00012   | .020     | .00051  | .00031  | .00054  | .00359 | .00001  | .03670 |
| %RSD   | 31.452   | .12331   | 283.25  | 448.97  | 8.9864  | 24.072 | .70379  | 6.2041 |
| #1     | .00046   | 16.148   | -.00032 | .00020  | .00594  | .01527 | .00206  | .63203 |
| #2     | .00043   | 16.108   | .00070  | -.00041 | .00550  | .01118 | .00204  | .58234 |
| #3     | .00024   | 16.127   | .00016  | .00001  | .00657  | .01834 | .00203  | .56040 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020  | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00069   | -.00011  | 104.24  | .01849  | .01543  | 1.4205 | .15490  | 1.2078 |
| Stddev | .00020   | .00056   | .64     | .00012  | .00018  | .0190  | .00164  | .0310  |
| %RSD   | 29.319   | 515.44   | .61353  | .64998  | 1.1488  | 1.3392 | 1.0611  | 2.5665 |
| #1     | .00069   | .00031   | 104.29  | .01844  | .01558  | 1.4238 | .15637  | 1.1844 |
| #2     | .00090   | -.00075  | 103.57  | .01863  | .01524  | 1.4001 | .15312  | 1.1961 |
| #3     | .00049   | .00011   | 104.85  | .01841  | .01547  | 1.4377 | .15521  | 1.2430 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm     | ppm    |
| Avg    | F 19.591 | F 10.786 | -.00657 | .00126  | -.00463 | .1250  | .07911  | 3.6496 |
| Stddev | .072     | .093     | .00111  | .00171  | .00273  | .0003  | .00027  | .0385  |
| %RSD   | .36768   | .85863   | 16.860  | 135.52  | 59.031  | .2020  | .34624  | 1.0554 |
| #1     | 19.673   | 10.852   | -.00543 | .00101  | -.00616 | .1252  | .07909  | 3.6577 |
| #2     | 19.562   | 10.680   | -.00764 | -.00031 | -.00147 | .1247  | .07884  | 3.6834 |
| #3     | 19.538   | 10.825   | -.00663 | .00309  | -.00626 | .1251  | .07939  | 3.6076 |

Sample Name: K1667-01      Acquired: 3/1/2019 21:46:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW4M-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 24.981 |
| Stddev | 3.925  |
| %RSD   | 15.713 |

|    |        |
|----|--------|
| #1 | 28.483 |
| #2 | 20.738 |
| #3 | 25.720 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3656.8 | 40921. | 3731.0 | 16.818 | 3902.2 |
| Stddev    | 3.0    | 99.    | 35.8   | .693   | 4.9    |
| %RSD      | .08153 | .24155 | .96054 | 4.1183 | .12499 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3654.9 | 40936. | 3706.6 | 16.786 | 3907.2 |
| #2 | 3655.1 | 41012. | 3772.2 | 16.142 | 3901.8 |
| #3 | 3660.2 | 40816. | 3714.4 | 17.526 | 3897.4 |

Sample Name: K1667-02      Acquired: 3/1/2019 21:50:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW6-060-3      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |         |        |         |        |         |
|--------|--------|--------|---------|--------|---------|--------|---------|
| Elem   | As1890 | Tl1908 | Pb2203  | Se1960 | Sb2068  | Al3961 | Ba4934  |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm     |
| Avg    | .00064 | .00063 | -.00169 | .00039 | -.00453 | .01239 | -.00939 |
| Stddev | .00276 | .00041 | .00033  | .00304 | .00175  | .01178 | .00438  |
| %RSD   | 433.21 | 65.384 | 19.430  | 774.89 | 38.653  | 95.083 | 46.695  |

|    |         |        |         |         |         |        |         |
|----|---------|--------|---------|---------|---------|--------|---------|
| #1 | .00035  | .00045 | -.00196 | -.00312 | -.00367 | .02519 | -.00441 |
| #2 | .00353  | .00110 | -.00132 | .00210  | -.00655 | .00999 | -.01267 |
| #3 | -.00197 | .00034 | -.00177 | .00219  | -.00338 | .00199 | -.01109 |

|        |        |        |         |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00012 | .00003 | -.01351 | .00033 | .00006 | .00005 | .00199 |
| Stddev | .00005 | .00010 | .01645  | .00031 | .00005 | .00032 | .00108 |
| %RSD   | 42.684 | 288.59 | 121.73  | 95.636 | 80.113 | 624.91 | 54.430 |

|    |        |         |         |        |        |         |        |
|----|--------|---------|---------|--------|--------|---------|--------|
| #1 | .00018 | .00011  | -.01457 | .00012 | .00000 | -.00002 | .00311 |
| #2 | .00008 | -.00008 | .00344  | .00068 | .00009 | -.00023 | .00095 |
| #3 | .00011 | .00007  | -.02940 | .00018 | .00008 | .00040  | .00191 |

|        |        |        |        |         |         |         |        |
|--------|--------|--------|--------|---------|---------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895  | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00030 | .06643 | .00037 | -.00036 | -.00878 | -.00037 | .01812 |
| Stddev | .00005 | .07761 | .00052 | .00073  | .00222  | .00041  | .00009 |
| %RSD   | 16.034 | 116.82 | 141.89 | 201.39  | 25.243  | 111.00  | .48697 |

|    |        |         |         |         |         |         |        |
|----|--------|---------|---------|---------|---------|---------|--------|
| #1 | .00026 | .07288  | .00096  | -.00110 | -.00997 | -.00075 | .01810 |
| #2 | .00035 | .14062  | -.00000 | .00036  | -.01016 | -.00041 | .01805 |
| #3 | .00028 | -.01420 | .00014  | -.00035 | -.00623 | .00006  | .01822 |

|        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .08064 | .00034 | .00599 | .01308 | .00426 | -.00006 | .00093 |
| Stddev | .03789 | .00027 | .00554 | .01277 | .00044 | .00094  | .00270 |
| %RSD   | 46.992 | 78.113 | 92.424 | 97.685 | 10.437 | 1630.9  | 288.81 |

|    |        |        |         |         |        |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|
| #1 | .07235 | .00058 | -.00040 | .01891  | .00381 | .00100  | .00228  |
| #2 | .04758 | .00039 | .00933  | .02189  | .00470 | -.00037 | .00269  |
| #3 | .12200 | .00005 | .00905  | -.00157 | .00427 | -.00080 | -.00217 |



Sample Name: K1667-02      Acquired: 3/1/2019 21:50:50      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW6-060-3      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |        |          |
|--------|---------|--------|--------|--------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm      |
| Avg    | -.01086 | .0012  | .00000 | 2.9258 | F<.00000 |
| Stddev | .00149  | .0015  | .00009 | .0629  | 6.1563   |
| %RSD   | 13.700  | 120.4  | 5728.5 | 2.1488 | 367.64   |

|    |         |        |         |        |         |
|----|---------|--------|---------|--------|---------|
| #1 | -.01253 | .0025  | -.00006 | 2.9158 | -3.4045 |
| #2 | -.00970 | -.0004 | -.00004 | 2.9931 | 5.1616  |
| #3 | -.01034 | .0016  | .00011  | 2.8685 | -6.7808 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3767.6 | 42729. | 3780.1 | 17.989 | 4248.5 |
| Stddev    | 4.1    | 141.   | 44.9   | 1.797  | 6.0    |
| %RSD      | .10858 | .32894 | 1.1881 | 9.9916 | .14209 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3767.9 | 42615. | 3751.1 | 15.917 | 4254.7 |
| #2 | 3771.5 | 42687. | 3831.8 | 18.925 | 4248.3 |
| #3 | 3763.4 | 42886. | 3757.4 | 19.125 | 4242.6 |

Sample Name: K1667-03      Acquired: 3/1/2019 21:55:19      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MWP4-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |         |         |        |        |
|--------|--------|---------|--------|---------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    |
| Avg    | .00592 | -.00348 | .01885 | -.00548 | -.00817 | .53569 | .22445 |
| Stddev | .00232 | .00130  | .00091 | .00134  | .00146  | .02540 | .00252 |
| %RSD   | 39.240 | 37.308  | 4.8392 | 24.439  | 17.863  | 4.7415 | 1.1214 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00838 | -.00208 | .01990 | -.00462 | -.00702 | .51744 | .22206 |
| #2 | .00376 | -.00465 | .01845 | -.00480 | -.00981 | .52494 | .22420 |
| #3 | .00563 | -.00370 | .01821 | -.00702 | -.00769 | .56470 | .22708 |

|        |        |         |        |         |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00031 | -.00089 | 157.45 | -.00398 | .00952 | .00714 | 19.256 |
| Stddev | .00018 | .00010  | .66    | .00057  | .00009 | .00056 | .178   |
| %RSD   | 57.598 | 10.890  | .42128 | 14.275  | .95592 | 7.8578 | .92342 |

|    |        |         |        |         |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|
| #1 | .00039 | -.00085 | 157.59 | -.00363 | .00962 | .00691 | 19.329 |
| #2 | .00011 | -.00100 | 158.03 | -.00368 | .00950 | .00674 | 19.386 |
| #3 | .00045 | -.00082 | 156.73 | -.00464 | .00945 | .00778 | 19.054 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 5.5353 | 45.618 | .00611 | -.00157 | 619.00 | .00662 | .07936 |
| Stddev | .0170  | .328   | .00064 | .00055  | 5.12   | .00099 | .00040 |
| %RSD   | .30639 | .71933 | 10.526 | 35.033  | .82692 | 14.933 | .49944 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 5.5239 | 45.859 | .00568 | -.00196 | 617.77 | .00770 | .07975 |
| #2 | 5.5548 | 45.750 | .00580 | -.00182 | 624.62 | .00576 | .07937 |
| #3 | 5.5273 | 45.244 | .00685 | -.00094 | 614.60 | .00640 | .07896 |

|        |        |         |        |        |          |        |        |
|--------|--------|---------|--------|--------|----------|--------|--------|
| Elem   | K_7664 | Mo2020  | B_2496 | S_1820 | Si2881   | Sn1899 | Ti3361 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | .69973 | -.00030 | .52874 | 9.4536 | F 11.341 | .00105 | .01102 |
| Stddev | .03320 | .00033  | .00327 | .0546  | .115     | .00094 | .00216 |
| %RSD   | 4.7448 | 109.45  | .61886 | .57800 | 1.0134   | 89.900 | 19.620 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .73666 | .00007  | .53250 | 9.5162 | 11.382 | .00082 | .00991 |
| #2 | .69019 | -.00056 | .52659 | 9.4296 | 11.430 | .00024 | .01351 |
| #3 | .67235 | -.00042 | .52712 | 9.4151 | 11.212 | .00209 | .00963 |

Sample Name: K1667-03      Acquired: 3/1/2019 21:55:19      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MWP4-060-1      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .01094 | .7544  | .70369 | 5.7970 | F<.00000 |
| Stddev    | .00174 | .0014  | .00462 | .0779  | 6.9610   |
| %RSD      | 15.945 | .1875  | .65671 | 1.3441 | 3.6220   |
| #1        | .00937 | .7561  | .70591 | 5.7330 | -184.20  |
| #2        | .01063 | .7536  | .70679 | 5.7742 | -196.97  |
| #3        | .01282 | .7537  | .69838 | 5.8838 | -195.39  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3395.9 | 37007. | 3684.7 | 15.566 | 3331.9   |
| Stddev    | 3.4    | 72.    | 35.9   | .682   | 14.6     |
| %RSD      | .10067 | .19418 | .97297 | 4.3791 | .43693   |
| #1        | 3396.4 | 37037. | 3668.0 | 16.243 | 3316.4   |
| #2        | 3392.2 | 36925. | 3660.3 | 15.574 | 3334.0   |
| #3        | 3399.0 | 37060. | 3725.9 | 14.880 | 3345.3   |

Sample Name: K1667-04      Acquired: 3/1/2019 21:59:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW8D-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00417 | -.00015 | .00769 | .00088 | -.00624 | .02500 | .04047 |
| Stddev | .00142 | .00063  | .00041 | .00348 | .00114  | .00734 | .00659 |
| %RSD   | 34.090 | 416.34  | 5.3843 | 394.63 | 18.218  | 29.364 | 16.276 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00254 | -.00042 | .00756 | .00257  | -.00532 | .01657 | .04571 |
| #2 | .00516 | -.00060 | .00816 | .00319  | -.00751 | .02998 | .04262 |
| #3 | .00481 | .00056  | .00736 | -.00312 | -.00588 | .02845 | .03308 |

|        |        |         |        |         |         |         |        |
|--------|--------|---------|--------|---------|---------|---------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00015 | -.00048 | 69.451 | -.00002 | -.00027 | -.00062 | 6.4003 |
| Stddev | .00004 | .00011  | 2.559  | .00048  | .00019  | .00033  | .2127  |
| %RSD   | 29.895 | 23.518  | 3.6839 | 2145.3  | 70.897  | 52.675  | 3.3233 |

|    |        |         |        |         |         |         |        |
|----|--------|---------|--------|---------|---------|---------|--------|
| #1 | .00010 | -.00044 | 70.664 | .00006  | -.00047 | -.00028 | 6.5099 |
| #2 | .00019 | -.00060 | 71.178 | -.00054 | -.00026 | -.00092 | 6.5359 |
| #3 | .00015 | -.00038 | 66.512 | .00041  | -.00008 | -.00065 | 6.1552 |

|        |        |        |         |         |        |        |        |
|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .07261 | 46.534 | -.00121 | -.00030 | 61.083 | .00035 | .02845 |
| Stddev | .00039 | 1.363  | .00028  | .00041  | 2.058  | .00016 | .00002 |
| %RSD   | .54211 | 2.9287 | 22.763  | 136.44  | 3.3690 | 46.836 | .06825 |

|    |        |        |         |         |        |        |        |
|----|--------|--------|---------|---------|--------|--------|--------|
| #1 | .07226 | 47.075 | -.00090 | -.00001 | 62.057 | .00051 | .02846 |
| #2 | .07252 | 47.542 | -.00143 | -.00076 | 62.473 | .00036 | .02846 |
| #3 | .07304 | 44.983 | -.00130 | -.00011 | 58.719 | .00018 | .02842 |

|        |        |        |        |          |          |         |         |
|--------|--------|--------|--------|----------|----------|---------|---------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361  |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm     |
| Avg    | 1.6449 | .00198 | .55014 | F 14.563 | F 11.611 | -.00269 | -.00290 |
| Stddev | .0349  | .00026 | .01739 | .013     | .418     | .00109  | .00218  |
| %RSD   | 2.1192 | 13.001 | 3.1606 | .09106   | 3.6005   | 40.393  | 75.297  |

|    |        |        |        |        |        |         |         |
|----|--------|--------|--------|--------|--------|---------|---------|
| #1 | 1.6047 | .00172 | .54098 | 14.555 | 11.873 | -.00383 | -.00260 |
| #2 | 1.6636 | .00224 | .57020 | 14.556 | 11.832 | -.00168 | -.00522 |
| #3 | 1.6664 | .00197 | .53925 | 14.578 | 11.129 | -.00255 | -.00088 |

Sample Name: K1667-04      Acquired: 3/1/2019 21:59:50      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW8D-060-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .02574 | .0088  | 2.1286 | 4.2047 | F<.00000 |
| Stddev | .00378 | .0013  | .0784  | .1131  | 3.6563   |
| %RSD   | 14.665 | 14.26  | 3.6811 | 2.6900 | 7.3262   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .02793 | .0102 | 2.1654 | 4.1001 | -45.945 |
| #2 | .02792 | .0086 | 2.1819 | 4.1892 | -53.150 |
| #3 | .02138 | .0077 | 2.0386 | 4.3248 | -50.628 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3573.6 | 40234. | 3807.4 | 17.936 | 3781.5 |
| Stddev    | 20.2   | 172.   | 132.4  | .901   | 9.9    |
| %RSD      | .56609 | .42645 | 3.4771 | 5.0223 | .26142 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3554.8 | 40431. | 3733.9 | 18.325 | 3771.5 |
| #2 | 3571.1 | 40116. | 3728.0 | 16.906 | 3781.5 |
| #3 | 3595.0 | 40156. | 3960.2 | 18.577 | 3791.3 |

Sample Name: K1667-05      Acquired: 3/1/2019 22:04:15      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MWP2-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |         |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    |
| Avg    | .00140 | .00104 | .01238 | .00236 | -.00451 | .90210 | .04249 |
| Stddev | .00078 | .00204 | .00161 | .00422 | .00032  | .02408 | .00390 |
| %RSD   | 55.812 | 195.27 | 13.005 | 178.40 | 7.1662  | 2.6696 | 9.1869 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00200 | -.00111 | .01172 | .00486  | -.00414 | .92172 | .04103 |
| #2 | .00169 | .00295  | .01121 | .00473  | -.00471 | .87522 | .04691 |
| #3 | .00052 | .00129  | .01422 | -.00250 | -.00468 | .90935 | .03953 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00033 | -.00017 | 25.939 | .00140 | .00396 | .00986 | 3.7079 |
| Stddev | .00002 | .00006  | .071   | .00025 | .00009 | .00034 | .0131  |
| %RSD   | 7.0612 | 33.266  | .27461 | 18.084 | 2.3043 | 3.4641 | .35426 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00034 | -.00018 | 25.858 | .00121 | .00395 | .01009 | 3.7196 |
| #2 | .00030 | -.00022 | 25.968 | .00169 | .00388 | .00946 | 3.6937 |
| #3 | .00035 | -.00011 | 25.991 | .00131 | .00406 | .01001 | 3.7106 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .36681 | 10.529 | .00686 | -.00040 | 149.31 | .00254 | .08449 |
| Stddev | .00119 | .175   | .00040 | .00036  | 1.07   | .00010 | .00036 |
| %RSD   | .32500 | 1.6606 | 5.8713 | 90.195  | .71560 | 4.0502 | .43049 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .36552 | 10.530 | .00681 | -.00071 | 148.62 | .00266 | .08447 |
| #2 | .36707 | 10.354 | .00728 | -.00051 | 148.77 | .00250 | .08414 |
| #3 | .36786 | 10.703 | .00648 | .00000  | 150.54 | .00246 | .08487 |

|        |        |        |        |          |          |         |        |
|--------|--------|--------|--------|----------|----------|---------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881   | Sn1899  | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm      | ppm     | ppm    |
| Avg    | 2.1125 | .00006 | .11623 | F 10.485 | F 13.253 | -.00264 | .02939 |
| Stddev | .0563  | .00035 | .00503 | .075     | .013     | .00037  | .00080 |
| %RSD   | 2.6651 | 635.16 | 4.3298 | .71823   | .09647   | 14.137  | 2.7220 |

|    |        |         |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|---------|--------|
| #1 | 2.0712 | -.00002 | .12086 | 10.400 | 13.253 | -.00264 | .02922 |
| #2 | 2.0897 | -.00026 | .11697 | 10.513 | 13.266 | -.00227 | .03026 |
| #3 | 2.1766 | .00044  | .11087 | 10.543 | 13.240 | -.00302 | .02869 |

Sample Name: K1667-05      Acquired: 3/1/2019 22:04:15      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MWP2-060-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .00103 | .0607  | .25682 | 4.1142 | F<.00000 |
| Stddev | .00077 | .0017  | .00150 | .0414  | 4.1897   |
| %RSD   | 75.178 | 2.858  | .58347 | 1.0058 | 34.273   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .00155 | .0611 | .25512 | 4.0681 | -16.671 |
| #2 | .00139 | .0622 | .25739 | 4.1482 | -8.3497 |
| #3 | .00014 | .0588 | .25795 | 4.1264 | -11.654 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3614.3 | 40347. | 3745.0 | 16.831 | 3777.4 |
| Stddev    | 4.3    | 144.   | 2.7    | 1.512  | 4.0    |
| %RSD      | .11939 | .35599 | .07191 | 8.9848 | .10699 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3611.2 | 40408. | 3742.4 | 18.497 | 3780.3 |
| #2 | 3612.5 | 40451. | 3747.8 | 16.449 | 3772.8 |
| #3 | 3619.2 | 40183. | 3744.9 | 15.546 | 3779.2 |

Sample Name: K1667-06      Acquired: 3/1/2019 22:08:38      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW8M-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00207 | -.00091 | .02057 | .00116 | -.00381 | .05276 | .78961 | .00019 |
| Stddev | .00287 | .00187  | .00180 | .00087 | .00112  | .00860 | .00289 | .00010 |
| %RSD   | 138.44 | 205.31  | 8.7582 | 74.741 | 29.452  | 16.294 | .36553 | 54.307 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00375  | .00082  | .02191 | .00126 | -.00319 | .04609 | .79160 | .00007 |
| #2 | -.00124 | -.00066 | .02127 | .00025 | -.00511 | .06246 | .78630 | .00028 |
| #3 | .00370  | -.00290 | .01852 | .00198 | -.00314 | .04972 | .79092 | .00023 |

|        |         |        |        |         |         |        |        |        |
|--------|---------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00026 | 185.74 | .00168 | -.00073 | -.00004 | .98044 | .02813 | 74.207 |
| Stddev | .00005  | .46    | .00010 | .00017  | .00086  | .00917 | .00017 | .856   |
| %RSD   | 19.431  | .24679 | 5.8987 | 23.147  | 1955.7  | .93533 | .61788 | 1.1538 |

|    |         |        |        |         |         |        |        |        |
|----|---------|--------|--------|---------|---------|--------|--------|--------|
| #1 | -.00029 | 185.94 | .00166 | -.00074 | -.00104 | .98909 | .02830 | 74.897 |
| #2 | -.00029 | 186.07 | .00178 | -.00090 | .00048  | .98141 | .02795 | 74.476 |
| #3 | -.00020 | 185.22 | .00159 | -.00056 | .00042  | .97082 | .02815 | 73.249 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00033 | -.00177 | 56.551 | .00653 | .08763 | 3.0650 | .00111 | .25421 |
| Stddev | .00038  | .00066  | .556   | .00025 | .00039 | .0345  | .00044 | .01497 |
| %RSD   | 113.80  | 36.979  | .98302 | 3.8309 | .44522 | 1.1244 | 39.881 | 5.8894 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00007  | -.00251 | 57.015 | .00624 | .08757 | 3.0868 | .00161 | .27029 |
| #2 | -.00067 | -.00154 | 56.703 | .00661 | .08804 | 3.0253 | .00096 | .25168 |
| #3 | -.00040 | -.00127 | 55.935 | .00672 | .08727 | 3.0830 | .00076 | .24067 |

|        |          |          |         |         |        |        |        |        |
|--------|----------|----------|---------|---------|--------|--------|--------|--------|
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | F 22.069 | F 27.846 | -.00523 | -.00699 | .05431 | .0738  | 1.5898 | 4.6015 |
| Stddev | .052     | .033     | .00055  | .00151  | .00388 | .0008  | .0040  | .0929  |
| %RSD   | .23490   | .11928   | 10.506  | 21.531  | 7.1490 | 1.081  | .24949 | 2.0185 |

|    |        |        |         |         |        |       |        |        |
|----|--------|--------|---------|---------|--------|-------|--------|--------|
| #1 | 22.088 | 27.875 | -.00460 | -.00824 | .05878 | .0730 | 1.5923 | 4.5232 |
| #2 | 22.109 | 27.853 | -.00545 | -.00742 | .05177 | .0746 | 1.5918 | 4.7041 |
| #3 | 22.011 | 27.809 | -.00563 | -.00532 | .05237 | .0738 | 1.5852 | 4.5773 |



Sample Name: K1667-06      Acquired: 3/1/2019 22:08:38      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW8M-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 49.985 |
| Stddev | 4.769  |
| %RSD   | 9.5404 |

|    |        |
|----|--------|
| #1 | 46.703 |
| #2 | 47.798 |
| #3 | 55.455 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3505.0 | 39439. | 3699.7 | 16.179 | 3649.9 |
| Stddev    | 23.4   | 186.   | 11.0   | 2.088  | 6.5    |
| %RSD      | .66674 | .47180 | .29712 | 12.906 | .17832 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3484.8 | 39262. | 3691.8 | 15.110 | 3646.7 |
| #2 | 3530.6 | 39423. | 3695.2 | 18.585 | 3645.7 |
| #3 | 3499.5 | 39633. | 3712.3 | 14.842 | 3657.4 |

Sample Name: K1667-07      Acquired: 3/1/2019 22:13:01      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW8M-060-2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |         |         |         |        |        |         |
|--------|----------|----------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890   | Tl1908   | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00266   | .00005   | .02171  | .00103  | -.00406 | .05316 | .83368 | .00014  |
| Stddev | .00227   | .00169   | .00078  | .00479  | .00035  | .01859 | .00617 | .00013  |
| %RSD   | 85.564   | 3470.6   | 3.5727  | 466.99  | 8.6255  | 34.970 | .73980 | 91.248  |
| #1     | .00139   | -.00174  | .02126  | .00551  | -.00424 | .06847 | .83561 | -.00001 |
| #2     | .00130   | .00162   | .02261  | .00159  | -.00429 | .05852 | .83865 | .00022  |
| #3     | .00528   | .00027   | .02127  | -.00402 | -.00366 | .03248 | .82678 | .00020  |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00026  | 193.82   | .01206  | -.00055 | -.00068 | 1.0104 | .02816 | 77.412  |
| Stddev | .00003   | .85      | .00025  | .00016  | .00082  | .0106  | .00001 | .639    |
| %RSD   | 12.669   | .44022   | 2.0444  | 29.321  | 120.54  | 1.0535 | .03509 | .82548  |
| #1     | -.00030  | 194.80   | .01214  | -.00059 | -.00159 | 1.0198 | .02817 | 78.143  |
| #2     | -.00024  | 193.45   | .01179  | -.00037 | -.00045 | .99884 | .02815 | 77.136  |
| #3     | -.00025  | 193.21   | .01226  | -.00069 | -.00000 | 1.0124 | .02816 | 76.958  |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00642   | -.00145  | 58.970  | .00681  | .01315  | 3.2017 | .00240 | .26474  |
| Stddev | .00016   | .00049   | .452    | .00069  | .00012  | .0549  | .00024 | .01310  |
| %RSD   | 2.4210   | 33.470   | .76602  | 10.069  | .90559  | 1.7151 | 10.155 | 4.9474  |
| #1     | .00640   | -.00100  | 59.441  | .00727  | .01319  | 3.2607 | .00214 | .27447  |
| #2     | .00658   | -.00139  | 58.540  | .00714  | .01325  | 3.1925 | .00262 | .24985  |
| #3     | .00627   | -.00196  | 58.930  | .00602  | .01302  | 3.1520 | .00244 | .26991  |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | F 23.175 | F 29.050 | -.00686 | -.00661 | .05960  | .0770  | 1.6639 | 4.7439  |
| Stddev | .110     | .268     | .00092  | .00085  | .00261  | .0018  | .0076  | .2013   |
| %RSD   | .47649   | .92346   | 13.366  | 12.891  | 4.3765  | 2.281  | .45706 | 4.2436  |
| #1     | 23.054   | 29.305   | -.00582 | -.00760 | .06088  | .0750  | 1.6725 | 4.5148  |
| #2     | 23.270   | 28.770   | -.00725 | -.00609 | .05660  | .0782  | 1.6583 | 4.8925  |
| #3     | 23.202   | 29.076   | -.00752 | -.00615 | .06132  | .0777  | 1.6608 | 4.8245  |

Sample Name: K1667-07      Acquired: 3/1/2019 22:13:01      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MW8M-060-2      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 50.543 |
| Stddev | .778   |
| %RSD   | 1.5394 |

|    |        |
|----|--------|
| #1 | 51.234 |
| #2 | 49.700 |
| #3 | 50.695 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3468.5 | 38943. | 3668.7 | 16.729 | 3611.4 |
| Stddev    | 5.2    | 107.   | 23.2   | .761   | 1.5    |
| %RSD      | .14891 | .27521 | .63165 | 4.5507 | .04034 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3465.9 | 39029. | 3645.2 | 16.772 | 3612.8 |
| #2 | 3474.4 | 38823. | 3691.5 | 17.468 | 3611.5 |
| #3 | 3465.0 | 38977. | 3669.3 | 15.947 | 3609.9 |

Sample Name: K1667-08      Acquired: 3/1/2019 22:17:25      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW6-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00099   | -.00252 | .00653  | -.00019 | -.00556 | .19682 | .10380 | .00015 |
| Stddev | .00309   | .00221  | .00174  | .00011  | .00249  | .01337 | .00431 | .00002 |
| %RSD   | 311.21   | 87.628  | 26.628  | 60.923  | 44.751  | 6.7910 | 4.1537 | 14.058 |
| #1     | .00448   | -.00409 | .00734  | -.00019 | -.00269 | .18148 | .10270 | .00013 |
| #2     | -.00010  | .00000  | .00454  | -.00007 | -.00685 | .20596 | .10856 | .00014 |
| #3     | -.00140  | -.00347 | .00772  | -.00030 | -.00713 | .20303 | .10015 | .00017 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00005  | 69.669  | .00216  | -.00023 | .00209  | .17445 | .47157 | 10.582 |
| Stddev | .00014   | .611    | .00023  | .00011  | .00029  | .00314 | .00062 | .101   |
| %RSD   | 262.21   | .87676  | 10.703  | 47.905  | 13.707  | 1.7974 | .13073 | .94972 |
| #1     | -.00004  | 70.046  | .00230  | -.00018 | .00221  | .17793 | .47225 | 10.690 |
| #2     | .00008   | 69.996  | .00190  | -.00015 | .00230  | .17357 | .47106 | 10.491 |
| #3     | -.00020  | 68.964  | .00230  | -.00035 | .00176  | .17185 | .47139 | 10.566 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00097   | -.00087 | 131.97  | .00358  | .01374  | 4.9018 | .00778 | .46816 |
| Stddev | .00031   | .00090  | 1.16    | .00027  | .00005  | .0118  | .00019 | .01017 |
| %RSD   | 32.131   | 103.38  | .87737  | 7.4189  | .34314  | .24069 | 2.4315 | 2.1724 |
| #1     | .00095   | -.00143 | 133.26  | .00383  | .01369  | 4.9058 | .00800 | .47975 |
| #2     | .00067   | -.00136 | 131.62  | .00330  | .01375  | 4.9111 | .00770 | .46396 |
| #3     | .00129   | .00017  | 131.03  | .00360  | .01378  | 4.8886 | .00765 | .46076 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 54.795 | 6.3617  | -.01931 | .00446  | .00462  | .1132  | .35643 | 4.2909 |
| Stddev | .125     | .0562   | .00025  | .00172  | .00209  | .0005  | .00024 | .1648  |
| %RSD   | .22761   | .88396  | 1.3006  | 38.692  | 45.211  | .4832  | .06636 | 3.8402 |
| #1     | 54.826   | 6.3884  | -.01939 | .00436  | .00229  | .1136  | .35643 | 4.1090 |
| #2     | 54.657   | 6.3995  | -.01951 | .00278  | .00525  | .1133  | .35619 | 4.4301 |
| #3     | 54.901   | 6.2970  | -.01903 | .00622  | .00632  | .1125  | .35666 | 4.3336 |

Sample Name: K1667-08      Acquired: 3/1/2019 22:17:25      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MW6-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.728 |
| Stddev | 6.229  |
| %RSD   | 14.245 |

|    |        |
|----|--------|
| #1 | 50.879 |
| #2 | 40.821 |
| #3 | 39.484 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3544.1 | 39791. | 3724.2 | 16.178 | 3733.8 |
| Stddev    | 2.4    | 92.    | 30.4   | .351   | 6.5    |
| %RSD      | .06688 | .23119 | .81724 | 2.1701 | .17535 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3545.1 | 39693. | 3701.2 | 15.778 | 3727.6 |
| #2 | 3545.8 | 39804. | 3712.7 | 16.325 | 3740.6 |
| #3 | 3541.4 | 39875. | 3758.7 | 16.433 | 3733.0 |

Sample Name: K1668-01      Acquired: 3/1/2019 22:21:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I01I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |         |         |         |        |        |        |
|--------|----------|----------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908   | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00115   | -.00195  | .02294  | .00286  | -.00670 | .11122 | .43813 | .00012 |
| Stddev | .00546   | .00212   | .00111  | .00489  | .00073  | .02881 | .00319 | .00003 |
| %RSD   | 476.17   | 109.15   | 4.8241  | 171.04  | 10.905  | 25.907 | .72736 | 21.534 |
| #1     | .00203   | -.00440  | .02419  | .00094  | -.00718 | .10341 | .43623 | .00009 |
| #2     | -.00470  | -.00061  | .02208  | .00842  | -.00706 | .08712 | .43634 | .00014 |
| #3     | .00612   | -.00083  | .02256  | -.00078 | -.00586 | .14314 | .44181 | .00013 |
| Elem   | Cd2265   | Ca3736   | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00010  | 180.16   | .00010  | -.00026 | .00169  | .14186 | .06300 | 71.096 |
| Stddev | .00005   | .22      | .00018  | .00031  | .00018  | .00236 | .00022 | .400   |
| %RSD   | 47.083   | .11957   | 180.49  | 116.18  | 10.560  | 1.6622 | .35385 | .56271 |
| #1     | -.00005  | 180.16   | .00025  | -.00060 | .00182  | .14290 | .06306 | 70.660 |
| #2     | -.00013  | 179.95   | -.00010 | .00001  | .00149  | .13916 | .06319 | 71.446 |
| #3     | -.00011  | 180.38   | .00016  | -.00020 | .00176  | .14351 | .06276 | 71.182 |
| Elem   | Ni2316   | Ag3280   | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00257  | -.00129  | 65.812  | .00932  | .04132  | 3.0613 | .00090 | .51723 |
| Stddev | .00027   | .00021   | .416    | .00031  | .00040  | .0577  | .00018 | .00593 |
| %RSD   | 10.587   | 16.074   | .63158  | 3.3388  | .97245  | 1.8835 | 19.979 | 1.1457 |
| #1     | -.00288  | -.00149  | 66.262  | .00896  | .04159  | 3.0066 | .00082 | .52245 |
| #2     | -.00244  | -.00131  | 65.731  | .00947  | .04153  | 3.1216 | .00077 | .51079 |
| #3     | -.00238  | -.00107  | 65.442  | .00953  | .04086  | 3.0558 | .00110 | .51844 |
| Elem   | S_1820   | Si2881   | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm      | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 44.330 | F 30.253 | -.01512 | -.00237 | .04509  | .0919  | 1.9945 | 4.6195 |
| Stddev | .432     | .077     | .00060  | .00327  | .00221  | .0007  | .0040  | .0688  |
| %RSD   | .97540   | .25409   | 3.9822  | 138.12  | 4.9107  | .8085  | .19898 | 1.4896 |
| #1     | 44.717   | 30.232   | -.01579 | .00057  | .04547  | .0924  | 1.9991 | 4.6986 |
| #2     | 44.410   | 30.189   | -.01463 | -.00589 | .04709  | .0922  | 1.9921 | 4.5731 |
| #3     | 43.864   | 30.338   | -.01493 | -.00178 | .04271  | .0910  | 1.9923 | 4.5870 |

Sample Name: K1668-01      Acquired: 3/1/2019 22:21:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I01I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 63.166 |
| Stddev | 4.383  |
| %RSD   | 6.9385 |

|    |        |
|----|--------|
| #1 | 67.683 |
| #2 | 62.881 |
| #3 | 58.932 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3501.1 | 39080. | 3703.0 | 16.453 | 3634.9 |
| Stddev    | 24.4   | 57.    | 12.8   | .341   | 23.9   |
| %RSD      | .69576 | .14550 | .34673 | 2.0750 | .65845 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3473.4 | 39030. | 3695.6 | 16.612 | 3621.4 |
| #2 | 3519.2 | 39142. | 3717.8 | 16.061 | 3620.9 |
| #3 | 3510.6 | 39069. | 3695.5 | 16.687 | 3662.6 |

Sample Name: K1668-03      Acquired: 3/1/2019 22:26:14      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I03I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00199   | -.00178 | .00491  | .00215  | -.00280 | .63425 | .08898 | .00009 |
| Stddev | .00067   | .00116  | .00169  | .00046  | .00123  | .01762 | .00424 | .00006 |
| %RSD   | 33.465   | 65.054  | 34.404  | 21.348  | 44.020  | 2.7781 | 4.7664 | 62.787 |
| #1     | .00225   | -.00235 | .00296  | .00218  | -.00421 | .64567 | .09232 | .00014 |
| #2     | .00249   | -.00255 | .00591  | .00259  | -.00202 | .61396 | .09042 | .00010 |
| #3     | .00123   | -.00045 | .00587  | .00167  | -.00215 | .64313 | .08421 | .00003 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00025  | 70.617  | .00080  | -.00012 | .00177  | .21722 | .13332 | 25.122 |
| Stddev | .00012   | .629    | .00025  | .00010  | .00052  | .00125 | .00054 | .202   |
| %RSD   | 49.158   | .89130  | 31.851  | 82.168  | 29.207  | .57544 | .40515 | .80310 |
| #1     | -.00019  | 69.969  | .00105  | -.00022 | .00119  | .21593 | .13273 | 25.058 |
| #2     | -.00017  | 70.656  | .00055  | -.00004 | .00194  | .21842 | .13378 | 24.959 |
| #3     | -.00040  | 71.226  | .00078  | -.00008 | .00218  | .21732 | .13345 | 25.348 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00066  | -.00071 | 296.14  | .00197  | .04321  | 4.6059 | .00082 | .20344 |
| Stddev | .00054   | .00082  | 1.45    | .00043  | .00027  | .0681  | .00036 | .01646 |
| %RSD   | 81.836   | 115.92  | .49124  | 21.922  | .61818  | 1.4786 | 43.701 | 8.0896 |
| #1     | -.00056  | -.00122 | 297.18  | .00150  | .04294  | 4.5646 | .00040 | .22170 |
| #2     | -.00018  | -.00114 | 296.75  | .00205  | .04348  | 4.6845 | .00104 | .19889 |
| #3     | -.00125  | .00024  | 294.47  | .00236  | .04320  | 4.5687 | .00100 | .18974 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 20.499 | 2.6092  | -.00467 | .00127  | .00733  | .0284  | .68955 | 4.8448 |
| Stddev | .040     | .0147   | .00122  | .00316  | .00114  | .0010  | .00460 | .0361  |
| %RSD   | .19434   | .56489  | 26.009  | 247.88  | 15.547  | 3.477  | .66769 | .74456 |
| #1     | 20.453   | 2.5933  | -.00599 | .00170  | .00827  | .0294  | .68618 | 4.8531 |
| #2     | 20.523   | 2.6225  | -.00444 | .00420  | .00606  | .0282  | .69480 | 4.8053 |
| #3     | 20.520   | 2.6117  | -.00359 | -.00208 | .00767  | .0274  | .68768 | 4.8760 |



Sample Name: K1668-03      Acquired: 3/1/2019 22:26:14      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: I03I-060-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 59.451 |
| Stddev | 3.778  |
| %RSD   | 6.3546 |

|    |        |
|----|--------|
| #1 | 59.223 |
| #2 | 63.338 |
| #3 | 55.792 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3501.9 | 38812. | 3719.0 | 16.717 | 3586.7 |
| Stddev    | 7.0    | 66.    | 18.2   | 1.294  | 13.9   |
| %RSD      | .20124 | .17023 | .49062 | 7.7382 | .38768 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3509.7 | 38888. | 3717.7 | 17.881 | 3602.6 |
| #2 | 3500.0 | 38783. | 3701.4 | 16.944 | 3580.9 |
| #3 | 3496.1 | 38767. | 3737.9 | 15.324 | 3576.6 |

Sample Name: CCV12      Acquired: 3/1/2019 22:30:47      Type: Unk  
Method: P4-ICP2(v2905)      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    | 4.9245 | 4.9524 | 4.8499 | 5.0595 | 4.9754 | 10.017 | 9.9224 | .24713 |
| Stddev | .0214  | .0115  | .0092  | .0262  | .0154  | .061   | .0426  | .00086 |
| %RSD   | .43454 | .23271 | .18988 | .51867 | .31009 | .61335 | .42972 | .34665 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 4.8998 | 4.9401 | 4.8604 | 5.0338 | 4.9578 | 9.9921 | 9.8746 | .24617 |
| #2 | 4.9369 | 4.9540 | 4.8460 | 5.0584 | 4.9819 | 9.9718 | 9.9566 | .24739 |
| #3 | 4.9368 | 4.9630 | 4.8433 | 5.0863 | 4.9866 | 10.087 | 9.9361 | .24783 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4009 | 24.800 | .99976 | 2.4389 | 1.2449 | 5.1431 | 2.4660 | 25.945 |
| Stddev | .0019  | .102   | .00625 | .0020  | .0020  | .0234  | .0085  | .117   |
| %RSD   | .08029 | .41174 | .62483 | .08149 | .16293 | .45431 | .34287 | .45195 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.4023 | 24.729 | .99665 | 2.4402 | 1.2434 | 5.1161 | 2.4565 | 25.810 |
| #2 | 2.4016 | 24.917 | .99569 | 2.4398 | 1.2440 | 5.1566 | 2.4690 | 26.024 |
| #3 | 2.3987 | 24.753 | 1.0070 | 2.4366 | 1.2472 | 5.1566 | 2.4726 | 26.000 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.6175 | 1.2751 | 25.441 | 2.5678 | 2.4006 | 26.205 | 4.9113 | 4.8004 |
| Stddev | .0008  | .0060  | .138   | .0057  | .0034  | .098   | .0081  | .0243  |
| %RSD   | .03058 | .47220 | .54048 | .22076 | .14277 | .37496 | .16540 | .50597 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6174 | 1.2742 | 25.282 | 2.5651 | 2.4042 | 26.113 | 4.9020 | 4.7730 |
| #2 | 2.6168 | 1.2695 | 25.525 | 2.5640 | 2.4002 | 26.193 | 4.9163 | 4.8193 |
| #3 | 2.6184 | 1.2815 | 25.515 | 2.5743 | 2.3973 | 26.308 | 4.9157 | 4.8088 |

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0333 | 4.9645 | 4.8390 | 4.8923 | 4.8512 | 4.933  | 4.9225 | F 4.4398 |
| Stddev | .0397  | .0256  | .0033  | .0062  | .0196  | .007   | .0096  | .1543    |
| %RSD   | .78883 | .51500 | .06808 | .12638 | .40382 | .1528  | .19467 | 3.4759   |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 5.0214 | 4.9513 | 4.8425 | 4.8868 | 4.8290 | 4.924 | 4.9118 | 4.4529 |
| #2 | 5.0775 | 4.9940 | 4.8360 | 4.8911 | 4.8589 | 4.939 | 4.9303 | 4.2793 |
| #3 | 5.0008 | 4.9483 | 4.8383 | 4.8990 | 4.8658 | 4.935 | 4.9253 | 4.5871 |

Sample Name: CCV12      Acquired: 3/1/2019 22:30:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.3206  
Stddev      4.0533  
%RSD      174.67

#1      -2.1515  
#2      5.7524  
#3      3.3609

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3587.3 | 40101. | 3690.3 | 14.384 | 3706.3 |
| Stddev    | 4.6    | 179.   | 14.8   | 1.225  | 10.6   |
| %RSD      | .12804 | .44596 | .40061 | 8.5162 | .28524 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3589.0 | 40123. | 3697.9 | 13.235 | 3697.8 |
| #2 | 3582.2 | 40268. | 3673.2 | 15.673 | 3703.0 |
| #3 | 3590.9 | 39912. | 3699.6 | 14.244 | 3718.2 |

Sample Name: CCB12      Acquired: 3/1/2019 22:34:48      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7984      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |         |        |         |         |         |
|--------|--------|---------|---------|--------|---------|---------|---------|
| Elem   | As1890 | Tl1908  | Pb2203  | Se1960 | Sb2068  | Al3961  | Ba4934  |
| Units  | ppm    | ppm     | ppm     | ppm    | ppm     | ppm     | ppm     |
| Avg    | .00261 | -.00017 | -.00142 | .00073 | -.00196 | -.00115 | -.02136 |
| Stddev | .00224 | .00096  | .00108  | .00114 | .00152  | .00830  | .00687  |
| %RSD   | 85.671 | 565.62  | 76.253  | 155.92 | 77.463  | 724.49  | 32.163  |

|    |        |         |         |         |         |         |         |
|----|--------|---------|---------|---------|---------|---------|---------|
| #1 | .00007 | -.00121 | -.00243 | .00184  | -.00155 | .00641  | -.02890 |
| #2 | .00429 | .00001  | -.00027 | .00080  | -.00363 | .00018  | -.01546 |
| #3 | .00348 | .00069  | -.00156 | -.00044 | -.00069 | -.01003 | -.01971 |

|        |         |        |         |        |        |         |        |
|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Be2348  | Cd2265 | Ca3736  | Cr2677 | Co2286 | Cu2247  | Fe2404 |
| Units  | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00004 | .00009 | -.01380 | .00003 | .00003 | -.00017 | .00037 |
| Stddev | .00008  | .00007 | .01190  | .00028 | .00012 | .00010  | .00031 |
| %RSD   | 221.58  | 70.744 | 86.188  | 876.58 | 459.49 | 61.857  | 83.462 |

|    |         |        |         |         |         |         |        |
|----|---------|--------|---------|---------|---------|---------|--------|
| #1 | -.00005 | .00017 | -.01592 | -.00010 | .00003  | -.00006 | .00071 |
| #2 | -.00011 | .00006 | -.02450 | .00035  | -.00010 | -.00027 | .00014 |
| #3 | .00005  | .00005 | -.00099 | -.00016 | .00014  | -.00017 | .00025 |

|        |        |        |        |         |        |         |        |
|--------|--------|--------|--------|---------|--------|---------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    |
| Avg    | .00003 | .03416 | .00002 | -.00087 | .03955 | -.00013 | .00024 |
| Stddev | .00003 | .01255 | .00023 | .00030  | .01608 | .00001  | .00006 |
| %RSD   | 125.30 | 36.744 | 1026.1 | 34.655  | 40.653 | 7.4531  | 26.226 |

|    |         |        |         |         |        |         |        |
|----|---------|--------|---------|---------|--------|---------|--------|
| #1 | .00002  | .04865 | .00005  | -.00104 | .02340 | -.00012 | .00025 |
| #2 | -.00000 | .02665 | -.00022 | -.00052 | .05555 | -.00013 | .00030 |
| #3 | .00006  | .02718 | .00024  | -.00105 | .03969 | -.00014 | .00017 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .16400 | .00005 | .00659 | F .04074 | .00103 | .00018 | .00115 |
| Stddev | .06958 | .00024 | .00075 | .01450   | .00099 | .00090 | .00105 |
| %RSD   | 42.428 | 445.05 | 11.395 | 35.595   | 95.805 | 512.05 | 91.668 |

|    |        |         |        |        |        |         |         |
|----|--------|---------|--------|--------|--------|---------|---------|
| #1 | .10823 | .00024  | .00743 | .05739 | .00203 | -.00005 | .00202  |
| #2 | .24197 | -.00022 | .00598 | .03400 | .00006 | -.00059 | .00146  |
| #3 | .14179 | .00014  | .00637 | .03084 | .00100 | .00117  | -.00002 |

Sample Name: CCB12      Acquired: 3/1/2019 22:34:48      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7984      Custom ID2:      Custom ID3:  
 Comment:

|        |         |        |        |          |          |
|--------|---------|--------|--------|----------|----------|
| Elem   | Li6707  | P_1774 | Sr4077 | U_3670   | U_3859   |
| Units  | ppm     | ppm    | ppm    | ppm      | ppm      |
| Avg    | -.00020 | .0003  | .00002 | F 3.1346 | F<.00000 |
| Stddev | .00241  | .0003  | .00003 | .1406    | 3.6215   |
| %RSD   | 1176.4  | 87.95  | 145.58 | 4.4850   | 160.64   |

|    |         |       |         |        |         |
|----|---------|-------|---------|--------|---------|
| #1 | -.00295 | .0003 | .00005  | 3.2270 | 1.2805  |
| #2 | .00154  | .0000 | -.00000 | 3.2039 | -5.9567 |
| #3 | .00080  | .0006 | .00001  | 2.9728 | -2.0870 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3741.0 | 42138. | 3749.4 | 17.097 | 4193.0 |
| Stddev    | 5.8    | 232.   | 38.4   | .287   | 4.7    |
| %RSD      | .15405 | .54952 | 1.0250 | 1.6788 | .11248 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3736.4 | 41879. | 3738.4 | 17.242 | 4189.2 |
| #2 | 3739.3 | 42207. | 3792.1 | 17.283 | 4191.5 |
| #3 | 3747.5 | 42327. | 3717.7 | 16.767 | 4198.3 |

Sample Name: K1668-05      Acquired: 3/1/2019 22:39:17      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I04I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00215   | -.00110 | .00616  | .00162  | -.00352 | .61261 | .08525 | .00015 |
| Stddev | .00220   | .00212  | .00065  | .00230  | .00153  | .00973 | .00302 | .00011 |
| %RSD   | 102.56   | 191.90  | 10.521  | 141.47  | 43.628  | 1.5879 | 3.5431 | 76.789 |
| #1     | .00464   | .00064  | .00683  | .00371  | -.00181 | .60143 | .08787 | .00012 |
| #2     | .00135   | -.00346 | .00554  | .00200  | -.00394 | .61723 | .08592 | .00027 |
| #3     | .00046   | -.00049 | .00613  | -.00084 | -.00479 | .61917 | .08195 | .00005 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00024  | 71.370  | .00059  | -.00007 | .00236  | .21473 | .13406 | 25.358 |
| Stddev | .00012   | .277    | .00030  | .00009  | .00021  | .00322 | .00080 | .206   |
| %RSD   | 47.312   | .38870  | 51.079  | 126.55  | 9.0533  | 1.5011 | .59678 | .81341 |
| #1     | -.00016  | 71.144  | .00026  | -.00018 | .00247  | .21105 | .13375 | 25.121 |
| #2     | -.00038  | 71.680  | .00068  | -.00000 | .00249  | .21705 | .13497 | 25.498 |
| #3     | -.00020  | 71.287  | .00084  | -.00004 | .00211  | .21608 | .13346 | 25.455 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00090  | -.00071 | 298.58  | .00116  | .06925  | 4.6849 | .00123 | .19644 |
| Stddev | .00058   | .00033  | 2.12    | .00069  | .00044  | .0353  | .00005 | .00076 |
| %RSD   | 65.170   | 46.089  | .70839  | 59.410  | .64152  | .75314 | 4.3939 | .38585 |
| #1     | -.00157  | -.00067 | 300.57  | .00196  | .06958  | 4.6592 | .00120 | .19558 |
| #2     | -.00058  | -.00041 | 298.81  | .00080  | .06874  | 4.7251 | .00129 | .19699 |
| #3     | -.00053  | -.00106 | 296.36  | .00073  | .06943  | 4.6703 | .00119 | .19676 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 21.268 | 2.6764  | -.00508 | .00349  | .01097  | .0286  | .69762 | 4.4646 |
| Stddev | .123     | .0397   | .00091  | .00253  | .00198  | .0015  | .00457 | .2190  |
| %RSD   | .57624   | 1.4849  | 17.920  | 72.403  | 18.062  | 5.320  | .65519 | 4.9063 |
| #1     | 21.386   | 2.6427  | -.00433 | .00289  | .01299  | .0271  | .69408 | 4.5296 |
| #2     | 21.141   | 2.7203  | -.00609 | .00132  | .01088  | .0284  | .70278 | 4.2204 |
| #3     | 21.277   | 2.6663  | -.00482 | .00626  | .00903  | .0302  | .69601 | 4.6438 |

Sample Name: K1668-05      Acquired: 3/1/2019 22:39:17      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I04I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 58.687 |
| Stddev | 10.893 |
| %RSD   | 18.561 |

|    |        |
|----|--------|
| #1 | 52.322 |
| #2 | 71.264 |
| #3 | 52.474 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3529.4 | 39274. | 3736.6 | 16.790 | 3600.8 |
| Stddev    | 44.4   | 98.    | 22.3   | .804   | 20.3   |
| %RSD      | 1.2585 | .24987 | .59738 | 4.7902 | .56281 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3561.7 | 39212. | 3756.4 | 15.934 | 3589.1 |
| #2 | 3547.7 | 39387. | 3712.4 | 16.906 | 3624.2 |
| #3 | 3478.7 | 39224. | 3741.1 | 17.529 | 3589.0 |

Sample Name: K1668-07      Acquired: 3/1/2019 22:43:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I05I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00560   | -.00068 | .00500  | .00126  | -.00491 | .71813 | .06532 | .00014 |
| Stddev | .00195   | .00180  | .00101  | .00371  | .00132  | .02133 | .00421 | .00001 |
| %RSD   | 34.793   | 265.86  | 20.124  | 293.73  | 26.809  | 2.9705 | 6.4432 | 7.2612 |
| #1     | .00741   | -.00265 | .00387  | -.00300 | -.00414 | .69376 | .06964 | .00015 |
| #2     | .00584   | -.00027 | .00537  | .00377  | -.00643 | .73346 | .06123 | .00013 |
| #3     | .00354   | .00089  | .00578  | .00302  | -.00416 | .72715 | .06508 | .00014 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00017  | 58.679  | .00085  | -.00013 | .00209  | .17959 | .11994 | 20.566 |
| Stddev | .00009   | .142    | .00039  | .00027  | .00050  | .00254 | .00081 | .203   |
| %RSD   | 51.539   | .24282  | 46.073  | 208.17  | 23.813  | 1.4127 | .67871 | .98936 |
| #1     | -.00009  | 58.523  | .00040  | .00017  | .00163  | .17667 | .11939 | 20.354 |
| #2     | -.00026  | 58.709  | .00103  | -.00034 | .00262  | .18116 | .12088 | 20.584 |
| #3     | -.00016  | 58.803  | .00113  | -.00021 | .00202  | .18096 | .11956 | 20.759 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00061  | .00010  | 241.68  | .00123  | .04243  | 3.8385 | .00086 | .17159 |
| Stddev | .00044   | .00075  | 2.36    | .00018  | .00015  | .0362  | .00036 | .01344 |
| %RSD   | 72.098   | 756.63  | .97756  | 14.469  | .35700  | .94429 | 41.634 | 7.8353 |
| #1     | -.00042  | .00087  | 241.20  | .00133  | .04257  | 3.8005 | .00079 | .16454 |
| #2     | -.00111  | -.00063 | 239.59  | .00133  | .04245  | 3.8423 | .00054 | .18709 |
| #3     | -.00030  | .00006  | 244.24  | .00102  | .04227  | 3.8727 | .00125 | .16314 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 16.863 | 2.2148  | -.00351 | .00230  | .00506  | .0229  | .56738 | 4.4219 |
| Stddev | .041     | .0249   | .00056  | .00262  | .00052  | .0011  | .00488 | .2637  |
| %RSD   | .24129   | 1.1259  | 15.923  | 113.84  | 10.246  | 4.819  | .85955 | 5.9627 |
| #1     | 16.898   | 2.1894  | -.00298 | .00521  | .00459  | .0217  | .56727 | 4.6915 |
| #2     | 16.819   | 2.2158  | -.00409 | .00012  | .00498  | .0231  | .56256 | 4.1647 |
| #3     | 16.873   | 2.2393  | -.00346 | .00158  | .00562  | .0239  | .57231 | 4.4094 |



Sample Name: K1668-07      Acquired: 3/1/2019 22:43:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I05I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 64.589 |
| Stddev | 2.620  |
| %RSD   | 4.0558 |

|    |        |
|----|--------|
| #1 | 65.056 |
| #2 | 61.767 |
| #3 | 66.943 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3566.9 | 39484. | 3761.3 | 16.750 | 3687.6 |
| Stddev    | 13.3   | 117.   | 41.7   | 1.410  | 8.9    |
| %RSD      | .37342 | .29713 | 1.1085 | 8.4175 | .24213 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3564.5 | 39358. | 3779.6 | 16.247 | 3677.2 |
| #2 | 3581.2 | 39591. | 3790.7 | 15.660 | 3692.6 |
| #3 | 3554.9 | 39505. | 3713.6 | 18.342 | 3692.8 |

Sample Name: K1668-09      Acquired: 3/1/2019 22:48:16      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00010   | -.00026 | .00634  | .00316  | -.00355 | .54856 | .07391 | .00013 |
| Stddev | .00384   | .00183  | .00057  | .00261  | .00149  | .04032 | .00513 | .00004 |
| %RSD   | 3825.8   | 693.16  | 8.9481  | 82.678  | 42.018  | 7.3499 | 6.9340 | 31.003 |
| #1     | -.00308  | .00030  | .00683  | .00017  | -.00452 | .54856 | .07636 | .00017 |
| #2     | -.00099  | -.00231 | .00646  | .00429  | -.00429 | .58888 | .07736 | .00009 |
| #3     | .00437   | .00122  | .00572  | .00500  | -.00183 | .50824 | .06802 | .00012 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00026  | 66.160  | .00023  | -.00017 | .00214  | .19154 | .10668 | 23.161 |
| Stddev | .00004   | .249    | .00030  | .00027  | .00035  | .00140 | .00110 | .152   |
| %RSD   | 13.982   | .37605  | 129.74  | 154.76  | 16.379  | .73015 | 1.0289 | .65704 |
| #1     | -.00029  | 66.017  | .00040  | -.00048 | .00246  | .19073 | .10625 | 23.266 |
| #2     | -.00027  | 66.015  | .00041  | .00003  | .00177  | .19074 | .10587 | 22.986 |
| #3     | -.00022  | 66.447  | -.00012 | -.00007 | .00220  | .19316 | .10793 | 23.230 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00113  | -.00031 | 268.54  | .00123  | .03663  | 4.2671 | .00048 | .18722 |
| Stddev | .00064   | .00067  | 2.88    | .00022  | .00024  | .0355  | .00037 | .01021 |
| %RSD   | 56.196   | 212.60  | 1.0709  | 17.788  | .64586  | .83299 | 75.677 | 5.4561 |
| #1     | -.00117  | -.00034 | 271.67  | .00098  | .03689  | 4.2364 | .00025 | .17805 |
| #2     | -.00048  | -.00097 | 266.01  | .00136  | .03655  | 4.2589 | .00029 | .18536 |
| #3     | -.00175  | .00036  | 267.95  | .00136  | .03644  | 4.3061 | .00091 | .19823 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 19.291 | 2.4712  | -.00496 | .00241  | .00819  | .0255  | .63827 | 4.6213 |
| Stddev | .119     | .0193   | .00019  | .00272  | .00064  | .0014  | .00259 | .1548  |
| %RSD   | .61660   | .77921  | 3.8074  | 112.67  | 7.7944  | 5.422  | .40520 | 3.3500 |
| #1     | 19.387   | 2.4725  | -.00481 | .00413  | .00876  | .0249  | .63561 | 4.4987 |
| #2     | 19.328   | 2.4514  | -.00517 | .00382  | .00750  | .0245  | .63843 | 4.7953 |
| #3     | 19.158   | 2.4899  | -.00490 | -.00072 | .00832  | .0271  | .64077 | 4.5700 |

Sample Name: K1668-09      Acquired: 3/1/2019 22:48:16      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 62.840 |
| Stddev | 3.273  |
| %RSD   | 5.2081 |

|    |        |
|----|--------|
| #1 | 66.243 |
| #2 | 62.561 |
| #3 | 59.716 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3537.4 | 38915. | 3689.1 | 16.866 | 3632.9 |
| Stddev    | 22.6   | 87.    | 18.2   | .353   | 22.6   |
| %RSD      | .63795 | .22230 | .49304 | 2.0905 | .62126 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3558.8 | 39014. | 3674.9 | 16.785 | 3608.4 |
| #2 | 3539.7 | 38867. | 3709.6 | 16.560 | 3637.2 |
| #3 | 3513.8 | 38862. | 3682.9 | 17.251 | 3653.0 |

Sample Name: K1668-09DUP      Acquired: 3/1/2019 22:52:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1DU      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |        |        |        |
|--------|----------|---------|---------|---------|---------|--------|--------|--------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00059   | -.00083 | .00550  | .00128  | -.00297 | .55863 | .07734 | .00019 |
| Stddev | .00477   | .00232  | .00156  | .00388  | .00079  | .00162 | .00697 | .00003 |
| %RSD   | 808.70   | 280.09  | 28.448  | 303.11  | 26.626  | .29051 | 9.0136 | 16.385 |
| #1     | .00489   | -.00296 | .00424  | .00230  | -.00345 | .55920 | .07688 | .00017 |
| #2     | -.00455  | .00165  | .00501  | -.00301 | -.00206 | .55990 | .07061 | .00023 |
| #3     | .00143   | -.00118 | .00725  | .00455  | -.00341 | .55680 | .08453 | .00018 |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00016  | 65.984  | -.00015 | -.00005 | .00228  | .19018 | .10608 | 23.103 |
| Stddev | .00004   | .204    | .00012  | .00009  | .00034  | .00317 | .00078 | .172   |
| %RSD   | 22.506   | .30891  | 82.656  | 207.80  | 15.013  | 1.6648 | .73833 | .74448 |
| #1     | -.00020  | 65.985  | -.00014 | -.00010 | .00226  | .19048 | .10557 | 23.181 |
| #2     | -.00013  | 65.780  | -.00028 | -.00010 | .00263  | .18688 | .10569 | 22.906 |
| #3     | -.00015  | 66.188  | -.00003 | .00006  | .00195  | .19319 | .10698 | 23.222 |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00122  | -.00080 | 270.21  | .00126  | .03602  | 4.2512 | .00083 | .19809 |
| Stddev | .00024   | .00035  | 1.88    | .00012  | .00026  | .0080  | .00011 | .00607 |
| %RSD   | 19.549   | 42.966  | .69721  | 9.6423  | .73424  | .18699 | 13.494 | 3.0647 |
| #1     | -.00094  | -.00046 | 272.14  | .00116  | .03589  | 4.2549 | .00081 | .20127 |
| #2     | -.00139  | -.00115 | 268.38  | .00140  | .03584  | 4.2567 | .00073 | .20192 |
| #3     | -.00131  | -.00080 | 270.11  | .00123  | .03632  | 4.2421 | .00095 | .19109 |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | F 19.445 | 2.4688  | -.00540 | .00375  | .00501  | .0248  | .63838 | 4.6760 |
| Stddev | .159     | .0262   | .00067  | .00222  | .00329  | .0004  | .00502 | .0388  |
| %RSD   | .81520   | 1.0601  | 12.308  | 59.171  | 65.586  | 1.417  | .78648 | .82967 |
| #1     | 19.439   | 2.4748  | -.00472 | .00264  | .00368  | .0245  | .64069 | 4.7208 |
| #2     | 19.290   | 2.4401  | -.00605 | .00231  | .00260  | .0252  | .63262 | 4.6548 |
| #3     | 19.606   | 2.4914  | -.00545 | .00631  | .00876  | .0246  | .64183 | 4.6525 |

Sample Name: K1668-09DUP      Acquired: 3/1/2019 22:52:50      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: I06I-060-1DU Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 59.629 |
| Stddev | 5.502  |
| %RSD   | 9.2278 |

|    |        |
|----|--------|
| #1 | 62.292 |
| #2 | 63.293 |
| #3 | 53.302 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3501.8 | 38838. | 3682.6 | 16.246 | 3593.6 |
| Stddev    | 17.7   | 78.    | 26.4   | .514   | 19.5   |
| %RSD      | .50648 | .19957 | .71714 | 3.1609 | .54303 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3499.2 | 38866. | 3659.3 | 16.468 | 3584.7 |
| #2 | 3520.8 | 38897. | 3711.3 | 15.659 | 3616.0 |
| #3 | 3485.6 | 38750. | 3677.1 | 16.612 | 3580.1 |

Sample Name: K1668-09LX5      Acquired: 3/1/2019 22:57:24      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SPDES-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00176 | .00234 | .00128 | -.00100 | -.00268 | .09983 | .00123 | .00004 |
| Stddev | .00189 | .00103 | .00008 | .00179  | .00100  | .00586 | .00442 | .00003 |
| %RSD   | 107.27 | 44.205 | 6.3077 | 178.66  | 37.161  | 5.8709 | 358.36 | 75.785 |

|    |        |        |        |         |         |        |         |        |
|----|--------|--------|--------|---------|---------|--------|---------|--------|
| #1 | .00393 | .00327 | .00134 | -.00240 | -.00358 | .10660 | .00384  | .00006 |
| #2 | .00085 | .00251 | .00131 | .00101  | -.00287 | .09626 | -.00387 | .00004 |
| #3 | .00050 | .00123 | .00119 | -.00161 | -.00161 | .09664 | .00373  | .00001 |

|        |         |        |         |         |        |        |        |        |
|--------|---------|--------|---------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677  | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00001 | 13.092 | -.00024 | -.00022 | .00057 | .03818 | .02112 | 4.5885 |
| Stddev | .00011  | .045   | .00029  | .00011  | .00034 | .00249 | .00021 | .0891  |
| %RSD   | 869.07  | .33998 | 120.80  | 49.711  | 59.965 | 6.5156 | 1.0108 | 1.9412 |

|    |         |        |         |         |        |        |        |        |
|----|---------|--------|---------|---------|--------|--------|--------|--------|
| #1 | -.00008 | 13.129 | -.00053 | -.00020 | .00086 | .03541 | .02099 | 4.6124 |
| #2 | .00012  | 13.042 | -.00024 | -.00034 | .00019 | .04022 | .02100 | 4.4899 |
| #3 | -.00008 | 13.104 | .00005  | -.00012 | .00065 | .03890 | .02137 | 4.6631 |

|        |         |         |        |         |        |        |         |        |
|--------|---------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | -.00045 | -.00033 | 53.864 | -.00006 | .00603 | 1.0580 | -.00007 | .04554 |
| Stddev | .00027  | .00036  | .315   | .00042  | .00006 | .0583  | .00015  | .01989 |
| %RSD   | 60.151  | 108.54  | .58485 | 681.40  | .93422 | 5.5107 | 197.27  | 43.665 |

|    |         |         |        |         |        |        |         |        |
|----|---------|---------|--------|---------|--------|--------|---------|--------|
| #1 | -.00067 | -.00021 | 54.220 | -.00053 | .00597 | 1.0936 | -.00021 | .02271 |
| #2 | -.00052 | -.00004 | 53.621 | .00028  | .00608 | .99074 | -.00009 | .05908 |
| #3 | -.00015 | -.00073 | 53.751 | .00007  | .00604 | 1.0897 | .00008  | .05484 |

|        |        |        |         |        |        |        |        |        |
|--------|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899  | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5792 | .49848 | -.00037 | .00225 | .00505 | .0060  | .12882 | 4.2829 |
| Stddev | .0207  | .00866 | .00058  | .00095 | .00275 | .0008  | .00045 | .1346  |
| %RSD   | .57797 | 1.7381 | 154.41  | 42.246 | 54.450 | 13.55  | .35186 | 3.1433 |

|    |        |        |         |        |        |       |        |        |
|----|--------|--------|---------|--------|--------|-------|--------|--------|
| #1 | 3.5630 | .50192 | -.00099 | .00180 | .00815 | .0070 | .12906 | 4.2392 |
| #2 | 3.6025 | .48862 | .00014  | .00334 | .00290 | .0057 | .12829 | 4.4339 |
| #3 | 3.5721 | .50490 | -.00027 | .00161 | .00411 | .0055 | .12910 | 4.1755 |

Sample Name: K1668-09LX5      Acquired: 3/1/2019 22:57:24      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SPDES-1      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 23.347 |
| Stddev | 3.839  |
| %RSD   | 16.441 |

|    |        |
|----|--------|
| #1 | 20.347 |
| #2 | 22.021 |
| #3 | 27.672 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3582.1 | 39875. | 3637.7 | 16.968 | 3839.9 |
| Stddev    | 19.3   | 195.   | 14.5   | .943   | 12.7   |
| %RSD      | .53803 | .48863 | .39918 | 5.5549 | .33007 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3582.4 | 40045. | 3624.6 | 17.158 | 3853.5 |
| #2 | 3562.7 | 39662. | 3653.3 | 17.801 | 3828.5 |
| #3 | 3601.2 | 39917. | 3635.2 | 15.945 | 3837.8 |

Sample Name: K1668-09MS      Acquired: 3/1/2019 23:01:51      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80592 | 1.9544 | .96926 | 2.0821 | .81879 | 2.6113 | .27517 |
| Stddev | .00180 | .0153  | .00595 | .0034  | .00135 | .0419  | .00251 |
| %RSD   | .22318 | .78398 | .61417 | .16400 | .16524 | 1.6062 | .91264 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80790 | 1.9608 | .97557 | 2.0783 | .82019 | 2.6056 | .27538 |
| #2 | .80550 | 1.9369 | .96374 | 2.0831 | .81748 | 2.6558 | .27757 |
| #3 | .80437 | 1.9654 | .96847 | 2.0849 | .81870 | 2.5725 | .27256 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20953 | .19470 | 62.075 | .41157 | .19899 | .30697 | 3.1040 |
| Stddev | .00061 | .00111 | .163   | .00242 | .00132 | .00042 | .0572  |
| %RSD   | .29015 | .56825 | .26189 | .58791 | .66538 | .13558 | 1.8427 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21023 | .19562 | 62.216 | .41257 | .19987 | .30734 | 3.1508 |
| #2 | .20916 | .19348 | 62.113 | .41334 | .19747 | .30706 | 3.0402 |
| #3 | .20919 | .19501 | 61.897 | .40882 | .19962 | .30652 | 3.1209 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .29503 | 23.336 | .49440 | .07539 | 254.62 | .30766 | .23778 |
| Stddev | .00046 | .063   | .00280 | .00043 | 2.89   | .00103 | .00121 |
| %RSD   | .15737 | .26893 | .56617 | .57668 | 1.1336 | .33356 | .50841 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .29475 | 23.273 | .49656 | .07537 | 257.20 | .30813 | .23876 |
| #2 | .29557 | 23.399 | .49124 | .07584 | 251.50 | .30837 | .23643 |
| #3 | .29478 | 23.335 | .49540 | .07497 | 255.15 | .30649 | .23816 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.950 | .39139 | .45371 | F 17.617 | 3.2543 | .66867 | .19196 |
| Stddev | .038   | .00181 | .00635 | .090     | .0656  | .00284 | .00494 |
| %RSD   | .27458 | .46337 | 1.3998 | .50864   | 2.0157 | .42446 | 2.5750 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.983 | .39320 | .44713 | 17.640 | 3.3134 | .67126 | .19649 |
| #2 | 13.908 | .39139 | .45981 | 17.518 | 3.1837 | .66564 | .18669 |
| #3 | 13.960 | .38957 | .45418 | 17.692 | 3.2658 | .66911 | .19271 |



Sample Name: K1668-09MS      Acquired: 3/1/2019 23:01:51      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1MS      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .20976 | 6.330  | .77552 | 4.5853 | F<.00000 |
| Stddev    | .00210 | .037   | .00777 | .1738  | 3.0641   |
| %RSD      | 1.0001 | .5925  | 1.0021 | 3.7912 | 13.966   |
| #1        | .21062 | 6.356  | .78266 | 4.3926 | -18.512  |
| #2        | .21128 | 6.287  | .76724 | 4.6330 | -22.889  |
| #3        | .20736 | 6.348  | .77667 | 4.7304 | -24.416  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3530.8 | 39297. | 3683.3 | 16.276 | 3625.0   |
| Stddev    | 3.1    | 63.    | 48.4   | 1.592  | 18.3     |
| %RSD      | .08725 | .15971 | 1.3144 | 9.7825 | .50535   |
| #1        | 3527.5 | 39348. | 3648.5 | 17.039 | 3612.9   |
| #2        | 3531.1 | 39227. | 3738.6 | 17.343 | 3646.1   |
| #3        | 3533.7 | 39317. | 3662.7 | 14.446 | 3616.0   |

Sample Name: K1668-09MSD      Acquired: 3/1/2019 23:05:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .80958 | 1.9546 | .97435 | 2.0858 | .81725 | 2.6353 | .26818 |
| Stddev | .00379 | .0052  | .00635 | .0077  | .00176 | .0234  | .00105 |
| %RSD   | .46757 | .26384 | .65150 | .37077 | .21585 | .88864 | .38974 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .80522 | 1.9495 | .97530 | 2.0776 | .81545 | 2.6095 | .26749 |
| #2 | .81150 | 1.9598 | .98017 | 2.0929 | .81732 | 2.6553 | .26938 |
| #3 | .81202 | 1.9545 | .96758 | 2.0871 | .81898 | 2.6411 | .26767 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .20995 | .19548 | 62.287 | .41183 | .19974 | .30880 | 3.1212 |
| Stddev | .00060 | .00118 | .272   | .00150 | .00080 | .00036 | .0325  |
| %RSD   | .28601 | .60493 | .43662 | .36399 | .40048 | .11680 | 1.0415 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21006 | .19570 | 62.250 | .41088 | .19969 | .30841 | 3.1583 |
| #2 | .20931 | .19654 | 62.036 | .41106 | .20057 | .30886 | 3.0976 |
| #3 | .21049 | .19421 | 62.576 | .41356 | .19897 | .30912 | 3.1077 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .29466 | 23.379 | .49671 | .07549 | 255.34 | .30967 | .23805 |
| Stddev | .00089 | .184   | .00153 | .00090 | 3.36   | .00089 | .00142 |
| %RSD   | .30202 | .78828 | .30733 | 1.1904 | 1.3154 | .28802 | .59680 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .29478 | 23.569 | .49671 | .07452 | 258.90 | .30871 | .23857 |
| #2 | .29372 | 23.365 | .49824 | .07567 | 254.89 | .30984 | .23914 |
| #3 | .29549 | 23.202 | .49519 | .07629 | 252.23 | .31047 | .23644 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 13.991 | .39142 | .45885 | F 17.715 | 3.2372 | .67417 | .19513 |
| Stddev | .063   | .00087 | .01190 | .025     | .0362  | .00359 | .00357 |
| %RSD   | .44741 | .22295 | 2.5934 | .14174   | 1.1170 | .53245 | 1.8274 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.018 | .39083 | .45721 | 17.695 | 3.2789 | .67158 | .19847 |
| #2 | 14.035 | .39242 | .44785 | 17.743 | 3.2182 | .67826 | .19138 |
| #3 | 13.919 | .39099 | .47148 | 17.706 | 3.2144 | .67266 | .19555 |

Sample Name: K1668-09MSD      Acquired: 3/1/2019 23:05:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: I06I-060-1MS      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .21173 | 6.339  | .77653 | 4.8216 | F<.00000 |
| Stddev | .00320 | .014   | .00610 | .0254  | 5.4289   |
| %RSD   | 1.5109 | .2155  | .78517 | .52768 | 27.562   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .21263 | 6.331 | .78356 | 4.7976 | -13.478 |
| #2 | .21439 | 6.355 | .77338 | 4.8483 | -23.488 |
| #3 | .20818 | 6.332 | .77265 | 4.8188 | -22.125 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3524.1 | 39148. | 3660.5 | 15.719 | 3608.4 |
| Stddev    | 9.3    | 93.    | 41.7   | 1.289  | 18.0   |
| %RSD      | .26326 | .23774 | 1.1401 | 8.2012 | .49894 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3534.7 | 39238. | 3612.3 | 16.457 | 3608.5 |
| #2 | 3517.7 | 39155. | 3686.6 | 16.469 | 3590.3 |
| #3 | 3519.8 | 39052. | 3682.4 | 14.230 | 3626.3 |

Sample Name: K1668-09A      Acquired: 3/1/2019 23:10:08      Type: Unk  
Method: P4-ICP2(v2905)      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    | .84312 | 2.0241 | 1.0047 | 2.1598 | .85000 | 2.7281 | .28561 |
| Stddev | .00327 | .0096  | .0035  | .0257  | .00773 | .0277  | .00553 |
| %RSD   | .38751 | .47572 | .34698 | 1.1900 | .90899 | 1.0146 | 1.9351 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84468 | 2.0275 | 1.0045 | 2.1588 | .85522 | 2.7601 | .27962 |
| #2 | .84531 | 2.0132 | 1.0014 | 2.1859 | .85365 | 2.7136 | .29051 |
| #3 | .83936 | 2.0315 | 1.0083 | 2.1346 | .84112 | 2.7107 | .28670 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21887 | .20203 | 64.373 | .42792 | .20647 | .31977 | 3.2503 |
| Stddev | .00034 | .00019 | .182   | .00126 | .00025 | .00213 | .0197  |
| %RSD   | .15616 | .09600 | .28245 | .29527 | .12081 | .66754 | .60535 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21922 | .20203 | 64.164 | .42683 | .20663 | .32051 | 3.2375 |
| #2 | .21884 | .20183 | 64.468 | .42931 | .20618 | .32143 | 3.2730 |
| #3 | .21854 | .20222 | 64.488 | .42763 | .20659 | .31736 | 3.2404 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .30609 | 24.337 | .51557 | .07985 | 263.62 | .32231 | .24088 |
| Stddev | .00063 | .138   | .00154 | .00010 | 1.18   | .00143 | .00089 |
| %RSD   | .20724 | .56610 | .29839 | .12896 | .44891 | .44390 | .37012 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .30663 | 24.180 | .51623 | .07974 | 264.68 | .32217 | .24107 |
| #2 | .30626 | 24.391 | .51381 | .07994 | 263.83 | .32095 | .23991 |
| #3 | .30539 | 24.439 | .51666 | .07987 | 262.34 | .32380 | .24167 |

|        |        |        |        |          |        |        |        |
|--------|--------|--------|--------|----------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820   | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | 14.470 | .40608 | .49350 | F 18.269 | 3.3695 | .69727 | .20170 |
| Stddev | .057   | .00129 | .00684 | .016     | .0114  | .00308 | .00176 |
| %RSD   | .39553 | .31695 | 1.3869 | .08937   | .33787 | .44195 | .87109 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 14.460 | .40629 | .49446 | 18.286 | 3.3587 | .69930 | .20218 |
| #2 | 14.532 | .40725 | .48623 | 18.254 | 3.3684 | .69372 | .20317 |
| #3 | 14.419 | .40470 | .49981 | 18.266 | 3.3814 | .69879 | .19976 |

Sample Name: K1668-09A      Acquired: 3/1/2019 23:10:08      Type: Unk  
 Method: P4-ICP2(v2905)      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       | .21843 | 6.570  | .81001 | 4.9347 | F<.00000 |
| Stddev    | .00102 | .014   | .00346 | .1244  | 6.8320   |
| %RSD      | .46766 | .2153  | .42661 | 2.5200 | 28.326   |
| #1        | .21836 | 6.582  | .81001 | 5.0096 | -16.610  |
| #2        | .21744 | 6.554  | .80656 | 5.0034 | -29.967  |
| #3        | .21948 | 6.573  | .81347 | 4.7912 | -25.779  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3507.3 | 38904. | 3641.1 | 16.111 | 3605.3   |
| Stddev    | 5.6    | 119.   | 13.5   | 1.607  | 28.1     |
| %RSD      | .16056 | .30664 | .36985 | 9.9717 | .77816   |
| #1        | 3501.4 | 38783. | 3650.9 | 14.441 | 3600.2   |
| #2        | 3508.0 | 39021. | 3646.7 | 17.645 | 3635.6   |
| #3        | 3512.6 | 38906. | 3625.8 | 16.247 | 3580.2   |

Sample Name: K1340-02      Acquired: 3/1/2019 23:14:21      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00070 | -.00206 | .01436 | .00616 | -.00232 | .17816 | .04566 | .00004 |
| Stddev | .00173  | .00194  | .00136 | .00424 | .00162  | .01380 | .00154 | .00012 |
| %RSD   | 247.89  | 94.058  | 9.4936 | 68.747 | 69.974  | 7.7439 | 3.3664 | 282.87 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00270 | -.00280 | .01590 | .00577 | -.00343 | .16789 | .04592 | .00014  |
| #2 | .00033  | .00014  | .01333 | .00213 | -.00046 | .17274 | .04705 | -.00009 |
| #3 | .00027  | -.00353 | .01383 | .01058 | -.00306 | .19384 | .04401 | .00009  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 19.342 | .00102 | .00165 | .00289 | .16060 | .17488 | 5.8534 |
| Stddev | .00016 | .127   | .00032 | .00008 | .00035 | .00377 | .00165 | .1074  |
| %RSD   | 223.06 | .65574 | 31.755 | 4.5775 | 12.179 | 2.3484 | .94246 | 1.8344 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00017  | 19.196 | .00101 | .00162 | .00285 | .16340 | .17654 | 5.9005 |
| #2 | .00015  | 19.402 | .00135 | .00159 | .00257 | .15632 | .17324 | 5.9293 |
| #3 | -.00011 | 19.428 | .00070 | .00173 | .00327 | .16209 | .17486 | 5.7306 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00069 | -.00048 | 342.34 | .00033 | .03312 | 1.8362 | .00021 | .01947 |
| Stddev | .00054 | .00068  | 4.44   | .00030 | .00010 | .0146  | .00014 | .00167 |
| %RSD   | 78.133 | 141.89  | 1.2963 | 93.184 | .29848 | .79274 | 65.114 | 8.5595 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00016 | -.00001 | 344.16 | .00051  | .03323 | 1.8504 | .00006 | .02124 |
| #2 | .00124 | -.00017 | 337.28 | .00049  | .03308 | 1.8213 | .00026 | .01793 |
| #3 | .00068 | -.00125 | 345.57 | -.00002 | .03305 | 1.8369 | .00033 | .01924 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .32740 | .43832 | .00226 | .00515 | .00263 | .0226  | .05741 | 4.6240 |
| Stddev | .02536 | .01174 | .00076 | .00033 | .00213 | .0007  | .00061 | .2003  |
| %RSD   | 7.7467 | 2.6787 | 33.611 | 6.3289 | 81.004 | 3.052  | 1.0579 | 4.3327 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .30481 | .44715 | .00139 | .00492 | .00363 | .0221 | .05683 | 4.3959 |
| #2 | .32257 | .42499 | .00278 | .00501 | .00018 | .0234 | .05804 | 4.7713 |
| #3 | .35484 | .44282 | .00262 | .00553 | .00408 | .0225 | .05736 | 4.7048 |

Sample Name: K1340-02      Acquired: 3/1/2019 23:14:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 41.989 |
| Stddev | 6.592  |
| %RSD   | 15.699 |

|    |        |
|----|--------|
| #1 | 37.304 |
| #2 | 49.526 |
| #3 | 39.136 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3492.7 | 38697. | 3737.2 | 17.097 | 3600.1 |
| Stddev    | 21.2   | 118.   | 37.4   | .684   | 20.8   |
| %RSD      | .60585 | .30445 | 1.0014 | 3.9986 | .57691 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3468.3 | 38562. | 3717.2 | 17.883 | 3576.2 |
| #2 | 3504.5 | 38752. | 3780.4 | 16.767 | 3614.2 |
| #3 | 3505.4 | 38778. | 3714.0 | 16.642 | 3609.8 |

Sample Name: K1340-02DUP      Acquired: 3/1/2019 23:18:57      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00064 | -.00317 | .01433 | .00282 | -.00256 | .18853 | .05103 | .00012 |
| Stddev | .00149 | .00104  | .00072 | .00262 | .00166  | .01455 | .00578 | .00004 |
| %RSD   | 234.11 | 32.693  | 5.0510 | 93.119 | 64.929  | 7.7152 | 11.333 | 36.607 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00067 | -.00198 | .01511 | .00584 | -.00219 | .17325 | .05046 | .00007 |
| #2 | .00226  | -.00364 | .01369 | .00144 | -.00437 | .20221 | .04556 | .00013 |
| #3 | .00032  | -.00388 | .01419 | .00116 | -.00111 | .19012 | .05708 | .00015 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00003 | 19.943 | .00104 | .00144 | .00368 | .16392 | .17612 | 5.9157 |
| Stddev | .00010 | .036   | .00014 | .00017 | .00017 | .00129 | .00043 | .0307  |
| %RSD   | 313.49 | .17972 | 13.634 | 11.724 | 4.6124 | .78543 | .24486 | .51892 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00003  | 19.920 | .00102 | .00126 | .00387 | .16246 | .17571 | 5.9508 |
| #2 | -.00007 | 19.925 | .00091 | .00160 | .00354 | .16489 | .17657 | 5.8934 |
| #3 | .00013  | 19.984 | .00120 | .00146 | .00365 | .16441 | .17607 | 5.9030 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00063 | -.00069 | 351.98 | -.00007 | .03377 | 1.8567 | .00028 | .01314 |
| Stddev | .00027 | .00048  | 1.62   | .00069  | .00003 | .0116  | .00026 | .00703 |
| %RSD   | 43.142 | 70.396  | .46001 | 1033.0  | .08317 | .62433 | 91.371 | 53.510 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00077 | -.00101 | 353.42 | .00063  | .03374 | 1.8504 | .00027 | .01397 |
| #2 | .00081 | -.00013 | 352.29 | -.00009 | .03380 | 1.8701 | .00055 | .00573 |
| #3 | .00032 | -.00092 | 350.22 | -.00074 | .03376 | 1.8497 | .00003 | .01971 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34015 | .43747 | .00237 | .00408 | .00217 | .0252  | .05862 | 4.9243 |
| Stddev | .01451 | .00771 | .00040 | .00222 | .00410 | .0012  | .00014 | .2289  |
| %RSD   | 4.2651 | 1.7621 | 17.044 | 54.500 | 189.06 | 4.872  | .23666 | 4.6484 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .32350 | .43432 | .00235 | .00347 | -.00208 | .0256 | .05859 | 5.1814 |
| #2 | .34689 | .44625 | .00278 | .00654 | .00611  | .0262 | .05878 | 4.8489 |
| #3 | .35006 | .43184 | .00197 | .00222 | .00248  | .0239 | .05850 | 4.7426 |



Sample Name: K1340-02DUP      Acquired: 3/1/2019 23:18:57      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: BU-03-022719 Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 46.452 |
| Stddev | 2.592  |
| %RSD   | 5.5798 |

|    |        |
|----|--------|
| #1 | 48.830 |
| #2 | 43.689 |
| #3 | 46.837 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3514.6 | 38559. | 3674.1 | 15.808 | 3620.3 |
| Stddev    | 18.3   | 218.   | 8.9    | .682   | 14.4   |
| %RSD      | .51953 | .56634 | .24328 | 4.3120 | .39695 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3535.0 | 38315. | 3672.3 | 16.267 | 3636.6 |
| #2 | 3499.8 | 38628. | 3666.2 | 15.025 | 3609.6 |
| #3 | 3509.1 | 38735. | 3683.8 | 16.133 | 3614.6 |

Sample Name: CCV13      Acquired: 3/1/2019 23:23:33      Type: Unk  
 Method: P4-ICP2(v2905)      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    | 5.0309 | 5.0531 | 4.9507 | 5.1960 | 5.0788 | 10.225 | 10.270 | .25280 |
| Stddev | .0070  | .0169  | .0077  | .0077  | .0205  | .113   | .115   | .00076 |
| %RSD   | .13937 | .33400 | .15547 | .14848 | .40428 | 1.1045 | 1.1222 | .30091 |
| #1     | 5.0388 | 5.0726 | 4.9550 | 5.2020 | 5.0843 | 10.175 | 10.307 | .25366 |
| #2     | 5.0287 | 5.0431 | 4.9553 | 5.1987 | 5.0960 | 10.145 | 10.362 | .25221 |
| #3     | 5.0253 | 5.0436 | 4.9418 | 5.1873 | 5.0560 | 10.354 | 10.141 | .25253 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.4628 | 25.555 | 1.0280 | 2.4964 | 1.2777 | 5.3710 | 2.5241 | 26.845 |
| Stddev | .0032  | .103   | .0012  | .0050  | .0016  | .0521  | .0027  | .381   |
| %RSD   | .13144 | .40229 | .11497 | .19992 | .12261 | .96943 | .10894 | 1.4181 |
| #1     | 2.4658 | 25.456 | 1.0289 | 2.5005 | 1.2795 | 5.3984 | 2.5263 | 26.429 |
| #2     | 2.4633 | 25.661 | 1.0267 | 2.4978 | 1.2767 | 5.4037 | 2.5249 | 26.930 |
| #3     | 2.4594 | 25.547 | 1.0286 | 2.4909 | 1.2769 | 5.3110 | 2.5210 | 27.177 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 2.7027 | 1.3044 | 26.346 | 2.6650 | 2.4460 | 27.235 | 5.0198 | 4.9822 |
| Stddev | .0037  | .0013  | .222   | .0056  | .0066  | .168   | .0140  | .0290  |
| %RSD   | .13802 | .09835 | .84449 | .21169 | .27065 | .61824 | .27831 | .58283 |
| #1     | 2.7069 | 1.3044 | 26.367 | 2.6714 | 2.4519 | 27.349 | 5.0308 | 4.9510 |
| #2     | 2.7012 | 1.3032 | 26.556 | 2.6608 | 2.4473 | 27.315 | 5.0244 | 4.9873 |
| #3     | 2.6999 | 1.3058 | 26.113 | 2.6628 | 2.4388 | 27.042 | 5.0041 | 5.0084 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.1304 | 5.1203 | 4.9457 | 5.0169 | 4.9860 | 5.088  | 5.0483 | 4.7223 |
| Stddev | .0485  | .0645  | .0110  | .0201  | .0592  | .027   | .0534  | .0772  |
| %RSD   | .94490 | 1.2600 | .22295 | .40028 | 1.1864 | .5301  | 1.0572 | 1.6355 |
| #1     | 5.1859 | 5.1334 | 4.9576 | 4.9964 | 5.0061 | 5.118  | 5.0711 | 4.7763 |
| #2     | 5.1090 | 5.1773 | 4.9438 | 5.0178 | 5.0324 | 5.068  | 5.0864 | 4.6338 |
| #3     | 5.0963 | 5.0502 | 4.9358 | 5.0366 | 4.9194 | 5.076  | 4.9873 | 4.7567 |

Sample Name: CCV13      Acquired: 3/1/2019 23:23:33      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 9.8936  
Stddev      4.6824  
%RSD      47.328

#1      5.7943  
#2      8.8901  
#3      14.996

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3548.5 | 39594. | 3587.7 | 15.837 | 3659.2 |
| Stddev    | 5.8    | 48.    | 40.0   | .172   | 4.1    |
| %RSD      | .16482 | .12228 | 1.1141 | 1.0834 | .11097 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3545.7 | 39541. | 3569.7 | 15.898 | 3656.9 |
| #2 | 3544.6 | 39636. | 3559.9 | 15.644 | 3656.8 |
| #3 | 3555.2 | 39604. | 3633.5 | 15.971 | 3663.9 |

Sample Name: CCB13      Acquired: 3/1/2019 23:27:34      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00247   | .00045  | -.00090 | .00351  | -.00168 | -.00648 | -.00946 | .00006   |
| Stddev | .00152   | .00077  | .00082  | .00130  | .00079  | .00458  | .00046  | .00000   |
| %RSD   | 61.531   | 170.03  | 90.686  | 36.992  | 47.088  | 70.603  | 4.8615  | 1.6786   |
| #1     | .00116   | .00098  | -.00165 | .00373  | -.00078 | -.01174 | -.00923 | .00006   |
| #2     | .00213   | -.00043 | -.00003 | .00212  | -.00204 | -.00335 | -.00999 | .00006   |
| #3     | .00414   | .00080  | -.00102 | .00469  | -.00224 | -.00437 | -.00917 | .00006   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00004   | -.01416 | -.00001 | -.00024 | -.00032 | -.00092 | .00006  | .07421   |
| Stddev | .00008   | .00452  | .00039  | .00013  | .00052  | .00147  | .00005  | .03180   |
| %RSD   | 200.54   | 31.936  | 7603.0  | 55.515  | 163.12  | 158.89  | 77.630  | 42.851   |
| #1     | .00012   | -.01178 | -.00002 | -.00035 | .00027  | .00002  | .00001  | .10305   |
| #2     | .00006   | -.01132 | .00040  | -.00027 | -.00049 | -.00018 | .00009  | .04011   |
| #3     | -.00005  | -.01937 | -.00039 | -.00009 | -.00074 | -.00261 | .00010  | .07949   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00041  | -.00036 | .07456  | -.00037 | -.00026 | .12113  | .00050  | .01175   |
| Stddev | .00035   | .00029  | .00819  | .00030  | .00009  | .03144  | .00028  | .00480   |
| %RSD   | 85.002   | 80.626  | 10.987  | 80.123  | 34.450  | 25.952  | 56.124  | 40.821   |
| #1     | -.00040  | -.00045 | .08401  | -.00007 | -.00016 | .10044  | .00082  | .00716   |
| #2     | -.00075  | -.00059 | .06952  | -.00039 | -.00029 | .15730  | .00037  | .01136   |
| #3     | -.00006  | -.00003 | .07015  | -.00066 | -.00033 | .10564  | .00031  | .01673   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04782 | .00555  | .00028  | -.00017 | -.00104 | -.0005  | .00002  | F 3.5751 |
| Stddev | .01782   | .00420  | .00033  | .00122  | .00039  | .0005   | .00015  | .1183    |
| %RSD   | 37.253   | 75.805  | 119.23  | 724.40  | 37.044  | 101.9   | 885.15  | 3.3079   |
| #1     | .02799   | .00092  | -.00010 | -.00074 | -.00117 | -.0002  | .00005  | 3.4498   |
| #2     | .05301   | .00914  | .00053  | .00124  | -.00135 | -.0002  | .00016  | 3.5907   |
| #3     | .06246   | .00658  | .00039  | -.00100 | -.00061 | -.0010  | -.00015 | 3.6848   |

Sample Name: CCB13      Acquired: 3/1/2019 23:27:34      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 2.9927  
Stddev      2.9696  
%RSD      99.226

#1      4.7718  
#2      4.6417  
#3      -.43542

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3649.0 | 41152. | 3588.3 | 15.567 | 4074.1 |
| Stddev    | 2.7    | 9.     | 23.0   | .581   | 2.9    |
| %RSD      | .07358 | .02214 | .64184 | 3.7324 | .07041 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3646.8 | 41146. | 3565.8 | 14.933 | 4077.0 |
| #2 | 3652.0 | 41162. | 3587.2 | 16.075 | 4073.9 |
| #3 | 3648.3 | 41147. | 3611.9 | 15.692 | 4071.3 |

Sample Name: K1340-02LX5      Acquired: 3/1/2019 23:32:03      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00033 | .00025 | .00385 | .00256 | -.00143 | .04018 | .00187 | .00014 |
| Stddev | .00122  | .00260 | .00150 | .00204 | .00220  | .00912 | .00143 | .00004 |
| %RSD   | 370.37  | 1023.3 | 39.000 | 79.827 | 153.72  | 22.700 | 76.738 | 27.718 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00068 | -.00240 | .00558 | .00317 | .00108  | .04531 | .00111 | .00018 |
| #2 | -.00134 | .00279  | .00305 | .00028 | -.00305 | .04559 | .00097 | .00014 |
| #3 | .00103  | .00037  | .00292 | .00423 | -.00233 | .02965 | .00352 | .00010 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00004 | 4.1445 | .00012 | .00020 | .00082 | .03439 | .03668 | 1.3303 |
| Stddev | .00006  | .0330  | .00008 | .00001 | .00020 | .00295 | .00028 | .0393  |
| %RSD   | 155.42  | .79517 | 64.674 | 3.5851 | 24.291 | 8.5778 | .75275 | 2.9576 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00009 | 4.1072 | .00013 | .00021 | .00065 | .03367 | .03637 | 1.2942 |
| #2 | .00003  | 4.1699 | .00004 | .00020 | .00076 | .03763 | .03690 | 1.3722 |
| #3 | -.00006 | 4.1564 | .00021 | .00019 | .00104 | .03187 | .03677 | 1.3244 |

|        |         |         |        |         |        |        |        |        |
|--------|---------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00056 | -.00029 | 75.047 | -.00016 | .00650 | .42496 | .00023 | .00977 |
| Stddev | .00014  | .00049  | .150   | .00027  | .00011 | .05531 | .00017 | .00537 |
| %RSD   | 25.638  | 168.37  | .19975 | 165.36  | 1.7093 | 13.015 | 72.038 | 55.028 |

|    |         |         |        |         |        |        |        |        |
|----|---------|---------|--------|---------|--------|--------|--------|--------|
| #1 | -.00061 | -.00038 | 75.219 | -.00047 | .00637 | .38080 | .00024 | .00890 |
| #2 | -.00067 | -.00072 | 74.979 | -.00005 | .00655 | .40709 | .00006 | .00488 |
| #3 | -.00039 | .00024  | 74.943 | .00003  | .00658 | .48700 | .00040 | .01552 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .10170 | .09947 | .00108 | -.00129 | -.00426 | .0057  | .01209 | 4.0433 |
| Stddev | .00514 | .00207 | .00033 | .00201  | .00095  | .0011  | .00006 | .1046  |
| %RSD   | 5.0542 | 2.0780 | 30.532 | 155.30  | 22.258  | 19.15  | .51410 | 2.5860 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .10709 | .10153 | .00090 | -.00022 | -.00319 | .0069 | .01208 | 4.1521 |
| #2 | .09685 | .09740 | .00147 | -.00005 | -.00500 | .0051 | .01216 | 3.9436 |
| #3 | .10117 | .09947 | .00089 | -.00361 | -.00460 | .0051 | .01204 | 4.0341 |

Sample Name: K1340-02LX5      Acquired: 3/1/2019 23:32:03      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 24.236 |
| Stddev | 2.583  |
| %RSD   | 10.656 |

|    |        |
|----|--------|
| #1 | 27.158 |
| #2 | 22.260 |
| #3 | 23.288 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3558.1 | 40005. | 3623.8 | 16.427 | 3792.8 |
| Stddev    | 14.5   | 88.    | 18.7   | .587   | 20.1   |
| %RSD      | .40724 | .21883 | .51681 | 3.5735 | .53030 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3545.2 | 39951. | 3605.3 | 16.354 | 3775.7 |
| #2 | 3555.3 | 40106. | 3642.8 | 15.881 | 3787.8 |
| #3 | 3573.8 | 39958. | 3623.3 | 17.048 | 3814.9 |

Sample Name: K1340-02MS      Acquired: 3/1/2019 23:36:32      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .85337 | 2.0474 | 1.0185 | 2.2257 | .85737 | 2.4297 | .27164 |
| Stddev | .00685 | .0229  | .0033  | .0201  | .00671 | .0263  | .00573 |
| %RSD   | .80226 | 1.1188 | .32626 | .90333 | .78233 | 1.0817 | 2.1111 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84563 | 2.0378 | 1.0174 | 2.2034 | .85022 | 2.4243 | .26629 |
| #2 | .85589 | 2.0308 | 1.0159 | 2.2424 | .86353 | 2.4065 | .27092 |
| #3 | .85860 | 2.0735 | 1.0222 | 2.2313 | .85837 | 2.4583 | .27770 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21466 | .20665 | 21.372 | .43946 | .21309 | .32257 | 3.2367 |
| Stddev | .00058 | .00124 | .096   | .00238 | .00165 | .00296 | .0212  |
| %RSD   | .26990 | .59827 | .44857 | .54261 | .77312 | .91687 | .65632 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21474 | .20584 | 21.263 | .44216 | .21220 | .31949 | 3.2561 |
| #2 | .21404 | .20604 | 21.443 | .43763 | .21208 | .32538 | 3.2400 |
| #3 | .21519 | .20807 | 21.410 | .43858 | .21499 | .32285 | 3.2140 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38607 | 8.1272 | .52889 | .07874 | 362.74 | .33030 | .24426 |
| Stddev | .00045 | .0735  | .00441 | .00035 | 4.47   | .00251 | .00200 |
| %RSD   | .11679 | .90388 | .83466 | .44389 | 1.2319 | .75844 | .82000 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .38655 | 8.0429 | .52667 | .07842 | 367.43 | .33189 | .24341 |
| #2 | .38601 | 8.1608 | .52603 | .07911 | 362.25 | .33159 | .24282 |
| #3 | .38565 | 8.1778 | .53398 | .07870 | 358.53 | .32741 | .24655 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.658 | .42723 | .31953 | .32387 | 1.3874 | .70651 | .20815 |
| Stddev | .043   | .00382 | .00334 | .02275 | .0117  | .00641 | .00270 |
| %RSD   | .34196 | .89410 | 1.0442 | 7.0257 | .84471 | .90771 | 1.2961 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.650 | .42296 | .32161 | .30866 | 1.4005 | .69938 | .20516 |
| #2 | 12.705 | .43032 | .31568 | .31292 | 1.3838 | .70831 | .21041 |
| #3 | 12.619 | .42840 | .32130 | .35003 | 1.3779 | .71182 | .20886 |



Sample Name: K1340-02MS      Acquired: 3/1/2019 23:36:32      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .23203 | 6.575  | .27146 | 4.9179 | F<.00000 |
| Stddev    | .00275 | .063   | .00074 | .0479  | 3.3000   |
| %RSD      | 1.1849 | .9549  | .27355 | .97462 | 8.2566   |
| #1        | .23063 | 6.540  | .27071 | 4.8755 | -41.144  |
| #2        | .23027 | 6.538  | .27220 | 4.9082 | -42.518  |
| #3        | .23520 | 6.648  | .27146 | 4.9699 | -36.240  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3502.8 | 38965. | 3695.9 | 16.528 | 3598.0   |
| Stddev    | 23.5   | 170.   | 26.8   | .620   | 21.8     |
| %RSD      | .67049 | .43538 | .72624 | 3.7502 | .60497   |
| #1        | 3526.3 | 38788. | 3669.0 | 16.725 | 3609.1   |
| #2        | 3479.4 | 38980. | 3696.1 | 17.025 | 3611.9   |
| #3        | 3502.8 | 39127. | 3722.7 | 15.833 | 3572.9   |

Sample Name: K1340-02MSD      Acquired: 3/1/2019 23:40:48      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .83476 | 2.0200 | 1.0055 | 2.2000 | .84822 | 2.3715 | .26455 |
| Stddev | .00878 | .0109  | .0064  | .0066  | .00395 | .0140  | .00812 |
| %RSD   | 1.0514 | .54167 | .63366 | .29768 | .46558 | .59066 | 3.0696 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .82501 | 2.0081 | .99816 | 2.1963 | .84387 | 2.3628 | .26100 |
| #2 | .84202 | 2.0296 | 1.0096 | 2.2076 | .85158 | 2.3641 | .25880 |
| #3 | .83725 | 2.0223 | 1.0088 | 2.1961 | .84920 | 2.3877 | .27384 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21146 | .20383 | 21.054 | .43418 | .20973 | .31837 | 3.2255 |
| Stddev | .00056 | .00098 | .118   | .00091 | .00068 | .00069 | .0239  |
| %RSD   | .26461 | .48160 | .56201 | .20970 | .32493 | .21811 | .74028 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21154 | .20277 | 20.929 | .43498 | .20894 | .31802 | 3.2198 |
| #2 | .21087 | .20471 | 21.071 | .43436 | .21018 | .31917 | 3.2517 |
| #3 | .21198 | .20401 | 21.163 | .43319 | .21005 | .31792 | 3.2049 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38201 | 8.1020 | .52154 | .07848 | 359.79 | .32743 | .24077 |
| Stddev | .00021 | .0138  | .00322 | .00061 | 2.23   | .00062 | .00107 |
| %RSD   | .05384 | .17092 | .61768 | .77482 | .62046 | .18905 | .44303 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .38223 | 8.1177 | .51837 | .07865 | 361.03 | .32762 | .23969 |
| #2 | .38198 | 8.0915 | .52481 | .07898 | 361.12 | .32673 | .24183 |
| #3 | .38182 | 8.0968 | .52144 | .07780 | 357.21 | .32792 | .24078 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.471 | .42124 | .32642 | .31994 | 1.3830 | .69832 | .20823 |
| Stddev | .054   | .00171 | .00908 | .01405 | .0060  | .00379 | .00170 |
| %RSD   | .43425 | .40505 | 2.7832 | 4.3921 | .43185 | .54332 | .81732 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.491 | .41967 | .32239 | .33067 | 1.3868 | .69405 | .20732 |
| #2 | 12.410 | .42305 | .33683 | .32512 | 1.3861 | .70130 | .21020 |
| #3 | 12.513 | .42101 | .32006 | .30404 | 1.3761 | .69961 | .20719 |

Sample Name: K1340-02MSD      Acquired: 3/1/2019 23:40:48      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: BU-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .22428 | 6.475  | .26701 | 4.6665 | F<.00000 |
| Stddev | .00318 | .018   | .00068 | .0913  | 4.3706   |
| %RSD   | 1.4184 | .2719  | .25295 | 1.9571 | 9.4178   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22096 | 6.460 | .26624 | 4.7716 | -45.609 |
| #2 | .22460 | 6.494 | .26726 | 4.6064 | -51.123 |
| #3 | .22730 | 6.471 | .26752 | 4.6214 | -42.491 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3558.5 | 39508. | 3716.2 | 16.597 | 3649.3 |
| Stddev    | 13.4   | 136.   | 19.5   | .939   | 16.6   |
| %RSD      | .37515 | .34297 | .52454 | 5.6559 | .45413 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3569.7 | 39365. | 3704.0 | 15.958 | 3662.1 |
| #2 | 3543.7 | 39526. | 3705.8 | 17.675 | 3630.6 |
| #3 | 3562.0 | 39634. | 3738.7 | 16.158 | 3655.1 |

Sample Name: K1340-02A      Acquired: 3/1/2019 23:45:06      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7978      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .84650 | 2.0435 | 1.0218 | 2.2294 | .85721 | 2.4044 | .26767 |
| Stddev | .00637 | .0045  | .0014  | .0049  | .00295 | .0368  | .00154 |
| %RSD   | .75262 | .21836 | .14068 | .21993 | .34381 | 1.5296 | .57649 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85361 | 2.0486 | 1.0235 | 2.2350 | .86045 | 2.4011 | .26930 |
| #2 | .84132 | 2.0410 | 1.0208 | 2.2267 | .85648 | 2.3695 | .26746 |
| #3 | .84457 | 2.0408 | 1.0212 | 2.2264 | .85469 | 2.4428 | .26624 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21365 | .20689 | 21.178 | .44078 | .21333 | .32260 | 3.2279 |
| Stddev | .00085 | .00012 | .025   | .00069 | .00021 | .00120 | .0416  |
| %RSD   | .39598 | .05559 | .11929 | .15582 | .10075 | .37072 | 1.2898 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21419 | .20679 | 21.187 | .44147 | .21329 | .32396 | 3.2705 |
| #2 | .21408 | .20688 | 21.149 | .44077 | .21355 | .32211 | 3.2257 |
| #3 | .21267 | .20702 | 21.198 | .44010 | .21313 | .32173 | 3.1874 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .38683 | 7.9926 | .52969 | .07858 | 362.74 | .33095 | .24324 |
| Stddev | .00042 | .1242  | .00003 | .00111 | 5.55   | .00110 | .00020 |
| %RSD   | .10811 | 1.5542 | .00527 | 1.4093 | 1.5307 | .33355 | .08261 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .38730 | 8.1022 | .52972 | .07972 | 364.44 | .33168 | .24309 |
| #2 | .38673 | 7.8577 | .52970 | .07851 | 367.24 | .32968 | .24316 |
| #3 | .38648 | 8.0180 | .52966 | .07750 | 356.53 | .33150 | .24347 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.601 | .42724 | .32341 | .33133 | 1.3986 | .70978 | .21013 |
| Stddev | .037   | .00099 | .00876 | .00332 | .0026  | .00311 | .00182 |
| %RSD   | .29320 | .23078 | 2.7098 | 1.0023 | .18695 | .43867 | .86815 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.613 | .42829 | .31676 | .33445 | 1.4016 | .71256 | .21130 |
| #2 | 12.560 | .42709 | .32012 | .32784 | 1.3966 | .70642 | .21105 |
| #3 | 12.631 | .42633 | .33334 | .33169 | 1.3977 | .71037 | .20802 |

Sample Name: K1340-02A      Acquired: 3/1/2019 23:45:06      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7978      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .22583 | 6.572  | .26847 | 4.5818 | F<.00000 |
| Stddev | .00298 | .007   | .00065 | .1083  | 6.4060   |
| %RSD   | 1.3196 | .1014  | .24321 | 2.3636 | 14.125   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .22489 | 6.567 | .26896 | 4.6833 | -52.522 |
| #2 | .22917 | 6.579 | .26773 | 4.5942 | -40.191 |
| #3 | .22343 | 6.569 | .26871 | 4.4678 | -43.345 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3526.5 | 39375. | 3735.8 | 16.258 | 3610.9 |
| Stddev    | 14.9   | 91.    | 48.0   | .794   | 9.1    |
| %RSD      | .42240 | .23068 | 1.2860 | 4.8830 | .25157 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3509.3 | 39292. | 3692.6 | 17.175 | 3600.4 |
| #2 | 3534.5 | 39472. | 3727.4 | 15.808 | 3616.7 |
| #3 | 3535.7 | 39362. | 3787.6 | 15.792 | 3615.7 |

Sample Name: K1341-08      Acquired: 3/1/2019 23:49:24      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00028 | -.00473 | .00863 | .00620 | -.00362 | .33877 | .08701 | .00013 |
| Stddev | .00241  | .00126  | .00083 | .00199 | .00111  | .01370 | .00296 | .00003 |
| %RSD   | 859.97  | 26.682  | 9.6158 | 32.117 | 30.801  | 4.0448 | 3.4015 | 24.137 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00191  | -.00578 | .00900 | .00516 | -.00449 | .34936 | .08361 | .00017 |
| #2 | -.00286 | -.00507 | .00921 | .00495 | -.00236 | .32329 | .08841 | .00012 |
| #3 | .00011  | -.00333 | .00768 | .00850 | -.00400 | .34364 | .08902 | .00011 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00003 | 37.049 | .00126 | .00255 | .01103 | .09861 | .32485 | 12.719 |
| Stddev | .00004  | .173   | .00038 | .00019 | .00056 | .00173 | .00118 | .097   |
| %RSD   | 103.03  | .46583 | 29.974 | 7.6167 | 5.0680 | 1.7507 | .36215 | .76039 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00001  | 36.863 | .00083 | .00269 | .01167 | .10023 | .32436 | 12.828 |
| #2 | -.00005 | 37.204 | .00152 | .00264 | .01064 | .09881 | .32400 | 12.686 |
| #3 | -.00006 | 37.079 | .00145 | .00233 | .01077 | .09679 | .32619 | 12.643 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .02972 | -.00012 | 380.41 | -.00042 | .03275 | 1.1427 | .00072 | .01167 |
| Stddev | .00059 | .00056  | 2.62   | .00012  | .00033 | .0146  | .00017 | .00609 |
| %RSD   | 1.9909 | 485.17  | .68902 | 28.239  | .99953 | 1.2788 | 23.263 | 52.208 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .03038 | .00051  | 377.48 | -.00029 | .03270 | 1.1451 | .00067 | .01043 |
| #2 | .02953 | -.00056 | 382.52 | -.00046 | .03245 | 1.1270 | .00090 | .01829 |
| #3 | .02925 | -.00030 | 381.25 | -.00052 | .03310 | 1.1559 | .00058 | .00630 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .25483 | .28151 | .00245 | .00174 | .00985 | .0051  | .06339 | 4.7184 |
| Stddev | .02062 | .00221 | .00076 | .00210 | .00128 | .0018  | .00025 | .0368  |
| %RSD   | 8.0913 | .78437 | 30.882 | 120.33 | 12.966 | 34.52  | .40132 | .78014 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .27828 | .28166 | .00221 | .00006 | .01032 | .0044 | .06368 | 4.6767 |
| #2 | .23955 | .28365 | .00330 | .00108 | .01083 | .0071 | .06329 | 4.7323 |
| #3 | .24666 | .27924 | .00185 | .00409 | .00841 | .0038 | .06319 | 4.7463 |

Sample Name: K1341-08      Acquired: 3/1/2019 23:49:24      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 54.431 |
| Stddev | 2.242  |
| %RSD   | 4.1196 |

|    |        |
|----|--------|
| #1 | 55.215 |
| #2 | 56.177 |
| #3 | 51.902 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3481.9 | 38847. | 3686.7 | 15.461 | 3583.8 |
| Stddev    | 9.3    | 55.    | 17.2   | 1.830  | 12.3   |
| %RSD      | .26746 | .14198 | .46688 | 11.837 | .34232 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3476.6 | 38827. | 3668.1 | 14.742 | 3586.6 |
| #2 | 3476.4 | 38909. | 3690.0 | 14.100 | 3594.4 |
| #3 | 3492.6 | 38804. | 3702.0 | 17.542 | 3570.4 |

Sample Name: K1341-10      Acquired: 3/1/2019 23:54:00      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00020 | -.00328 | .00756 | .00887 | -.00311 | .17592 | .14001 | .00014 |
| Stddev | .00268  | .00195  | .00114 | .00405 | .00050  | .01823 | .00666 | .00004 |
| %RSD   | 1363.3  | 59.524  | 15.080 | 45.633 | 15.965  | 10.365 | 4.7537 | 25.434 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00274  | -.00298 | .00871 | .00420 | -.00267 | .17071 | .14760 | .00010 |
| #2 | -.00080 | -.00149 | .00752 | .01115 | -.00365 | .16086 | .13517 | .00015 |
| #3 | -.00252 | -.00536 | .00644 | .01126 | -.00303 | .19619 | .13727 | .00018 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 48.020 | .00068 | .00965 | .00490 | .43714 | 1.2749 | 8.7352 |
| Stddev | .00006  | .136   | .00055 | .00021 | .00034 | .00237 | .0031  | .0750  |
| %RSD   | 75.625  | .28349 | 80.287 | 2.1710 | 7.0105 | .54224 | .24509 | .85894 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00011 | 47.919 | .00126 | .00942 | .00489 | .43966 | 1.2717 | 8.8218 |
| #2 | -.00001 | 47.967 | .00017 | .00967 | .00524 | .43681 | 1.2751 | 8.6931 |
| #3 | -.00011 | 48.175 | .00062 | .00984 | .00456 | .43496 | 1.2779 | 8.6906 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01526 | -.00039 | 387.97 | -.00142 | .02466 | 1.2248 | .00032 | .02209 |
| Stddev | .00013 | .00034  | 4.60   | .00057  | .00005 | .0250  | .00028 | .00920 |
| %RSD   | .83679 | 87.813  | 1.1854 | 40.136  | .20510 | 2.0373 | 89.376 | 41.633 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01540 | -.00058 | 390.44 | -.00135 | .02471 | 1.2396 | .00032 | .03003 |
| #2 | .01522 | .00001  | 390.81 | -.00203 | .02466 | 1.1960 | .00060 | .02424 |
| #3 | .01516 | -.00060 | 382.67 | -.00089 | .02461 | 1.2389 | .00003 | .01201 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .36740 | 1.1482 | .00228 | .00168 | .00822 | .0143  | .15288 | 4.6781 |
| Stddev | .02327 | .0155  | .00119 | .00207 | .00079 | .0002  | .00014 | .1240  |
| %RSD   | 6.3344 | 1.3517 | 52.180 | 123.54 | 9.6602 | 1.386  | .09185 | 2.6503 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | .34993 | 1.1659 | .00150 | .00073 | .00769 | .0143 | .15292 | 4.5389 |
| #2 | .35846 | 1.1414 | .00169 | .00025 | .00913 | .0145 | .15273 | 4.7187 |
| #3 | .39382 | 1.1372 | .00365 | .00405 | .00784 | .0141 | .15300 | 4.7767 |



Sample Name: K1341-10      Acquired: 3/1/2019 23:54:00      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: HR-06-022719      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      53.566  
 Stddev      1.839  
 %RSD      3.4330

#1      55.412  
 #2      51.734  
 #3      53.552

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3498.2 | 38981. | 3710.4 | 17.389 | 3564.1 |
| Stddev    | 19.3   | 46.    | 23.1   | 1.447  | 20.6   |
| %RSD      | .55222 | .11752 | .62372 | 8.3233 | .57886 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3507.6 | 39032. | 3684.7 | 16.092 | 3583.2 |
| #2 | 3510.9 | 38944. | 3717.1 | 17.125 | 3566.8 |
| #3 | 3475.9 | 38967. | 3729.5 | 18.950 | 3542.2 |

Sample Name: K1349-14      Acquired: 3/1/2019 23:58:36      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00020 | -.00331 | .00684 | .00573 | -.00324 | .20458 | .13489 | .00015 |
| Stddev | .00238  | .00289  | .00031 | .00241 | .00144  | .01328 | .00148 | .00004 |
| %RSD   | 1179.1  | 87.179  | 4.6009 | 42.076 | 44.414  | 6.4926 | 1.0974 | 27.922 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00093  | -.00030 | .00664 | .00846 | -.00384 | .21290 | .13655 | .00015 |
| #2 | .00140  | -.00606 | .00720 | .00480 | -.00429 | .18926 | .13371 | .00011 |
| #3 | -.00294 | -.00358 | .00666 | .00392 | -.00160 | .21158 | .13441 | .00019 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | 36.243 | .00085 | .00435 | .00649 | .33471 | .92329 | 2.5235 |
| Stddev | .00009 | .320   | .00061 | .00017 | .00039 | .00346 | .00172 | .0266  |
| %RSD   | 123.58 | .88352 | 72.321 | 3.8390 | 5.9697 | 1.0330 | .18594 | 1.0553 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00007  | 35.876 | .00075 | .00440 | .00655 | .33084 | .92527 | 2.5203 |
| #2 | -.00001 | 36.384 | .00029 | .00448 | .00685 | .33749 | .92236 | 2.5515 |
| #3 | .00017  | 36.467 | .00151 | .00416 | .00608 | .33579 | .92224 | 2.4986 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00420 | -.00037 | 363.73 | -.00111 | .03036 | 1.1721 | .00062 | .01543 |
| Stddev | .00013 | .00020  | 7.18   | .00029  | .00023 | .0438  | .00040 | .00848 |
| %RSD   | 3.0059 | 55.143  | 1.9748 | 26.240  | .76332 | 3.7347 | 63.953 | 54.978 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00406 | -.00042 | 356.17 | -.00137 | .03010 | 1.1855 | .00065 | .01508 |
| #2 | .00427 | -.00054 | 370.46 | -.00080 | .03051 | 1.1232 | .00021 | .02408 |
| #3 | .00428 | -.00014 | 364.57 | -.00115 | .03048 | 1.2077 | .00100 | .00713 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .54091 | 1.2049 | .00254 | .00163 | .00474 | .0052  | .10779 | 4.8306 |
| Stddev | .03270 | .0123  | .00045 | .00223 | .00169 | .0006  | .00015 | .0820  |
| %RSD   | 6.0453 | 1.0238 | 17.735 | 136.93 | 35.635 | 11.31  | .13551 | 1.6970 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .52321 | 1.1955 | .00203 | .00374  | .00391 | .0052 | .10769 | 4.7476 |
| #2 | .57864 | 1.2189 | .00287 | .00184  | .00362 | .0046 | .10796 | 4.8328 |
| #3 | .52087 | 1.2005 | .00271 | -.00070 | .00668 | .0058 | .10772 | 4.9115 |

Sample Name: K1349-14      Acquired: 3/1/2019 23:58:36      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 51.702 |
| Stddev | 11.790 |
| %RSD   | 22.804 |

|    |        |
|----|--------|
| #1 | 55.062 |
| #2 | 38.596 |
| #3 | 61.447 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3470.4 | 38633. | 3616.0 | 16.158 | 3576.0 |
| Stddev    | 3.7    | 22.    | 34.3   | 1.575  | 17.6   |
| %RSD      | .10793 | .05658 | .94735 | 9.7489 | .49112 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3468.4 | 38621. | 3654.3 | 16.192 | 3595.9 |
| #2 | 3474.7 | 38659. | 3588.2 | 14.567 | 3569.1 |
| #3 | 3468.1 | 38621. | 3605.6 | 17.717 | 3562.9 |

Sample Name: K1349-16      Acquired: 3/2/2019 0:03:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00232 | -.00538 | .01140 | .00532 | -.00423 | .20689 | .11117 | .00026 |
| Stddev | .00056  | .00101  | .00077 | .00079 | .00159  | .02376 | .00347 | .00006 |
| %RSD   | 24.068  | 18.865  | 6.7685 | 14.785 | 37.622  | 11.483 | 3.1198 | 22.667 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00255 | -.00584 | .01222 | .00518 | -.00495 | .18001 | .11514 | .00029 |
| #2 | -.00273 | -.00608 | .01069 | .00461 | -.00532 | .21560 | .10876 | .00029 |
| #3 | -.00168 | -.00422 | .01128 | .00616 | -.00240 | .22507 | .10959 | .00019 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00000 | 40.014 | .00067 | .00486 | .00572 | 1.8083 | .77517 | 2.1245 |
| Stddev | .00006 | .157   | .00029 | .00015 | .00023 | .0257  | .00151 | .1118  |
| %RSD   | 1375.6 | .39276 | 43.761 | 3.1732 | 4.0489 | 1.4193 | .19524 | 5.2645 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00001 | 39.835 | .00033 | .00497 | .00549 | 1.7935 | .77342 | 2.0000 |
| #2 | .00007  | 40.073 | .00082 | .00469 | .00572 | 1.7935 | .77609 | 2.2164 |
| #3 | -.00005 | 40.132 | .00086 | .00493 | .00595 | 1.8379 | .77599 | 2.1570 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00575 | -.00041 | 368.80 | -.00090 | .05612 | 1.1709 | .00036 | .02322 |
| Stddev | .00018 | .00076  | 2.95   | .00072  | .00021 | .0070  | .00035 | .01221 |
| %RSD   | 3.2018 | 182.83  | .79995 | 80.177  | .37012 | .59951 | 95.444 | 52.588 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00553 | -.00127 | 371.71 | -.00024 | .05605 | 1.1785 | .00014 | .03276 |
| #2 | .00587 | .00017  | 365.81 | -.00079 | .05595 | 1.1694 | .00076 | .00946 |
| #3 | .00583 | -.00014 | 368.89 | -.00167 | .05635 | 1.1647 | .00019 | .02745 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .76668 | 1.0729 | .00174 | .00199 | .00689 | .0045  | .12396 | 4.6017 |
| Stddev | .00283 | .0167  | .00018 | .00180 | .00172 | .0007  | .00027 | .2574  |
| %RSD   | .36957 | 1.5584 | 10.599 | 90.050 | 24.995 | 15.88  | .21619 | 5.5926 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .76870 | 1.0681 | .00195 | .00320  | .00514 | .0050 | .12373 | 4.8874 |
| #2 | .76344 | 1.0592 | .00161 | .00285  | .00695 | .0037 | .12425 | 4.5296 |
| #3 | .76790 | 1.0915 | .00165 | -.00007 | .00858 | .0047 | .12389 | 4.3880 |

Sample Name: K1349-16      Acquired: 3/2/2019 0:03:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: OR-03-022719      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 37.132 |
| Stddev | 4.164  |
| %RSD   | 11.215 |

|    |        |
|----|--------|
| #1 | 40.813 |
| #2 | 37.970 |
| #3 | 32.612 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3487.6 | 38565. | 3638.6 | 16.583 | 3580.6 |
| Stddev    | 21.1   | 136.   | 40.9   | 1.006  | 24.5   |
| %RSD      | .60396 | .35143 | 1.1243 | 6.0642 | .68526 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3478.9 | 38450. | 3622.6 | 15.425 | 3576.7 |
| #2 | 3511.7 | 38531. | 3685.1 | 17.233 | 3606.9 |
| #3 | 3472.3 | 38715. | 3608.1 | 17.092 | 3558.3 |

Sample Name: K1358-06      Acquired: 3/2/2019 0:07:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: TR-05-022719      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00196 | -.00434 | .04514 | .00471 | -.00120 | .19294 | .14397 | .00023 |
| Stddev | .00157  | .00061  | .00087 | .00331 | .00227  | .00382 | .00224 | .00006 |
| %RSD   | 80.260  | 14.025  | 1.9258 | 70.381 | 188.87  | 1.9783 | 1.5574 | 26.468 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00351 | -.00377 | .04539 | .00493 | .00116  | .19061 | .14607 | .00026 |
| #2 | -.00037 | -.00428 | .04585 | .00791 | -.00140 | .19086 | .14423 | .00028 |
| #3 | -.00200 | -.00498 | .04417 | .00129 | -.00337 | .19735 | .14161 | .00016 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00019 | 57.390 | .00073 | .01172 | .00834 | 1.1455 | .83179 | 2.8613 |
| Stddev | .00012 | .091   | .00040 | .00017 | .00044 | .0109  | .00115 | .0897  |
| %RSD   | 62.502 | .15781 | 54.790 | 1.4326 | 5.2946 | .95242 | .13777 | 3.1363 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00032 | 57.313 | .00103 | .01192 | .00800 | 1.1376 | .83305 | 2.8607 |
| #2 | .00018 | 57.490 | .00028 | .01163 | .00884 | 1.1409 | .83151 | 2.7719 |
| #3 | .00008 | 57.367 | .00087 | .01162 | .00818 | 1.1579 | .83082 | 2.9514 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00510 | -.00090 | 402.73 | -.00054 | .09231 | 1.9216 | .00024 | .02107 |
| Stddev | .00056 | .00014  | 4.25   | .00048  | .00032 | .0556  | .00006 | .00660 |
| %RSD   | 10.956 | 15.771  | 1.0565 | 90.032  | .34714 | 2.8941 | 24.016 | 31.302 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00547 | -.00084 | 407.57 | -.00083 | .09233 | 1.8609 | .00021 | .02848 |
| #2 | .00445 | -.00106 | 401.06 | .00002  | .09262 | 1.9701 | .00020 | .01891 |
| #3 | .00537 | -.00080 | 399.56 | -.00081 | .09198 | 1.9338 | .00031 | .01583 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .71979 | 1.1957 | .00168 | -.00072 | .01062 | .0033  | .16115 | 4.8537 |
| Stddev | .03013 | .0066  | .00103 | .00264  | .00115 | .0015  | .00036 | .0877  |
| %RSD   | 4.1864 | .55368 | 61.136 | 369.00  | 10.832 | 45.49  | .22404 | 1.8078 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .75330 | 1.1881 | .00130 | .00207  | .00929 | .0025 | .16138 | 4.8129 |
| #2 | .71117 | 1.1987 | .00285 | -.00103 | .01127 | .0023 | .16133 | 4.7938 |
| #3 | .69491 | 1.2003 | .00090 | -.00319 | .01129 | .0050 | .16073 | 4.9544 |

Sample Name: K1358-06      Acquired: 3/2/2019 0:07:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: TR-05-022719      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 47.753 |
| Stddev | 5.356  |
| %RSD   | 11.215 |

|    |        |
|----|--------|
| #1 | 46.690 |
| #2 | 43.008 |
| #3 | 53.560 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3466.0 | 38335. | 3622.1 | 14.119 | 3521.6 |
| Stddev    | 18.9   | 15.    | 9.9    | .801   | 26.3   |
| %RSD      | .54607 | .04001 | .27331 | 5.6762 | .74780 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3445.8 | 38338. | 3611.3 | 14.892 | 3506.7 |
| #2 | 3469.0 | 38349. | 3630.7 | 14.175 | 3506.1 |
| #3 | 3483.3 | 38318. | 3624.2 | 13.292 | 3552.0 |

Sample Name: K1645-04      Acquired: 3/2/2019 0:12:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-10      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00176 | -.00353 | .00382 | .00373 | -.00261 | .08736 | .11153 | .00001 |
| Stddev | .00197  | .00171  | .00143 | .00191 | .00135  | .00696 | .00572 | .00010 |
| %RSD   | 112.28  | 48.374  | 37.487 | 51.336 | 51.705  | 7.9665 | 5.1316 | 1369.7 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00195 | -.00546 | .00223 | .00594 | -.00392 | .08668 | .10717 | .00006  |
| #2 | -.00363 | -.00292 | .00501 | .00266 | -.00269 | .09464 | .11801 | .00007  |
| #3 | .00031  | -.00221 | .00423 | .00259 | -.00122 | .08077 | .10940 | -.00011 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 4.6825 | .00101 | -.00033 | .00396 | .02811 | .02073 | .65137 |
| Stddev | .00011 | .0320  | .00019 | .00020  | .00046 | .00204 | .00014 | .04449 |
| %RSD   | 161.00 | .68251 | 19.051 | 61.026  | 11.544 | 7.2543 | .68081 | 6.8297 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00001 | 4.6487 | .00082 | -.00014 | .00375 | .03045 | .02057 | .63152 |
| #2 | .00019  | 4.7122 | .00120 | -.00054 | .00365 | .02720 | .02085 | .62027 |
| #3 | .00002  | 4.6867 | .00102 | -.00030 | .00449 | .02669 | .02076 | .70233 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00224 | .00009 | 315.05 | -.00027 | .01478 | .37696 | .00026 | .01157 |
| Stddev | .00031 | .00064 | 2.31   | .00038  | .00003 | .00766 | .00030 | .00384 |
| %RSD   | 13.645 | 729.72 | .73471 | 138.30  | .21696 | 2.0329 | 112.99 | 33.191 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00189 | .00050  | 317.73 | -.00038 | .01482 | .38254 | -.00005 | .01506 |
| #2 | .00244 | -.00065 | 313.74 | -.00059 | .01476 | .36822 | .00029  | .00745 |
| #3 | .00239 | .00042  | 313.70 | .00015  | .01477 | .38012 | .00055  | .01220 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .21172 | .37754 | .00194 | .00287 | -.00023 | .0100  | .03426 | 5.0024 |
| Stddev | .01183 | .00152 | .00084 | .00371 | .00087  | .0001  | .00004 | .0504  |
| %RSD   | 5.5896 | .40257 | 43.235 | 129.53 | 380.03  | 1.246  | .12085 | 1.0068 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .20029 | .37583 | .00278 | -.00136 | -.00056 | .0100 | .03424 | 5.0564 |
| #2 | .22392 | .37872 | .00110 | .00437  | -.00089 | .0099 | .03430 | 4.9941 |
| #3 | .21095 | .37807 | .00194 | .00560  | .00076  | .0101 | .03423 | 4.9567 |



Sample Name: K1645-04      Acquired: 3/2/2019 0:12:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-10      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 29.891 |
| Stddev | 5.388  |
| %RSD   | 18.026 |

|    |        |
|----|--------|
| #1 | 35.461 |
| #2 | 24.705 |
| #3 | 29.506 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3464.9 | 38315. | 3630.4 | 16.831 | 3624.7 |
| Stddev    | 38.9   | 69.    | 22.3   | .485   | 23.2   |
| %RSD      | 1.1225 | .17952 | .61532 | 2.8830 | .63986 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3436.0 | 38331. | 3614.6 | 17.000 | 3623.2 |
| #2 | 3449.6 | 38239. | 3656.0 | 16.283 | 3602.3 |
| #3 | 3509.1 | 38374. | 3620.7 | 17.208 | 3648.6 |

Sample Name: CCV14      Acquired: 3/2/2019 0:16:59      Type: Unk  
Method: P4-ICP2(v2905)      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    | 5.0200 | 5.1170 | 4.9819 | 5.1777 | 5.0420 | 10.132   | 10.428 | .25418 |
| Stddev | .0236  | .0215  | .0086  | .0090  | .0097  | .083     | .083   | .00114 |
| %RSD   | .46935 | .41941 | .17361 | .17328 | .19205 | .81620   | .79661 | .44952 |
| #1     | 5.0472 | 5.1279 | 4.9843 | 5.1818 | 5.0454 | 10.077   | 10.466 | .25329 |
| #2     | 5.0076 | 5.0923 | 4.9722 | 5.1674 | 5.0496 | 10.227   | 10.333 | .25378 |
| #3     | 5.0052 | 5.1308 | 4.9890 | 5.1839 | 5.0311 | 10.093   | 10.485 | .25547 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.4890 | 26.036 | 1.0426 | 2.5092 | 1.2882 | F 5.5540 | 2.5481 | 27.244 |
| Stddev | .0043  | .189   | .0024  | .0032  | .0023  | .0624    | .0034  | .057   |
| %RSD   | .17440 | .72486 | .23034 | .12881 | .18122 | 1.1233   | .13171 | .21098 |
| #1     | 2.4917 | 26.033 | 1.0453 | 2.5091 | 1.2861 | 5.6062   | 2.5457 | 27.301 |
| #2     | 2.4839 | 25.848 | 1.0418 | 2.5060 | 1.2907 | 5.4849   | 2.5468 | 27.243 |
| #3     | 2.4912 | 26.226 | 1.0407 | 2.5125 | 1.2876 | 5.5710   | 2.5520 | 27.186 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.7329 | 1.3108 | 26.900 | 2.7079 | 2.4511 | F 27.869 | 5.0395 | 5.1064 |
| Stddev | .0038  | .0034  | .172   | .0092  | .0022  | .262     | .0047  | .0208  |
| %RSD   | .13975 | .25834 | .64020 | .34113 | .08988 | .93939   | .09413 | .40743 |
| #1     | 2.7348 | 1.3139 | 27.053 | 2.6973 | 2.4519 | 28.090   | 5.0429 | 5.0869 |
| #2     | 2.7285 | 1.3072 | 26.713 | 2.7118 | 2.4487 | 27.580   | 5.0415 | 5.1283 |
| #3     | 2.7354 | 1.3114 | 26.933 | 2.7145 | 2.4529 | 27.937   | 5.0341 | 5.1039 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 5.1362 | 5.2718 | 5.0012 | 5.0656 | 5.0460 | 5.116    | 5.0995 | 4.6938 |
| Stddev | .0367  | .0537  | .0148  | .0163  | .0401  | .014     | .0409  | .0888  |
| %RSD   | .71488 | 1.0197 | .29616 | .32251 | .79405 | .2703    | .80235 | 1.8923 |
| #1     | 5.1749 | 5.3159 | 4.9931 | 5.0790 | 5.0662 | 5.106    | 5.1214 | 4.7946 |
| #2     | 5.1019 | 5.2120 | 4.9921 | 5.0474 | 4.9999 | 5.111    | 5.0523 | 4.6597 |
| #3     | 5.1317 | 5.2876 | 5.0182 | 5.0705 | 5.0720 | 5.132    | 5.1248 | 4.6271 |

Sample Name: CCV14      Acquired: 3/2/2019 0:16:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 10.966  
Stddev      2.915  
%RSD      26.578

#1      9.4975  
#2      14.323  
#3      9.0781

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3548.3 | 39461. | 3489.2 | 14.724 | 3646.2 |
| Stddev    | 1.2    | 17.    | 30.2   | 1.265  | 7.3    |
| %RSD      | .03410 | .04240 | .86484 | 8.5939 | .20040 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3548.5 | 39455. | 3461.9 | 15.777 | 3646.3 |
| #2 | 3546.9 | 39480. | 3521.6 | 13.320 | 3653.5 |
| #3 | 3549.3 | 39449. | 3484.1 | 15.075 | 3638.9 |

Sample Name: CCB14      Acquired: 3/2/2019 0:21:00      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00384   | -.00137 | .00088  | .00079  | -.00210 | .00250  | -.00318 | .00005   |
| Stddev | .00276   | .00109  | .00081  | .00112  | .00142  | .01129  | .00734  | .00008   |
| %RSD   | 71.834   | 79.541  | 92.339  | 141.34  | 67.651  | 452.41  | 230.90  | 168.57   |
| #1     | .00679   | -.00261 | .00158  | .00188  | -.00342 | .01401  | .00162  | .00004   |
| #2     | .00133   | -.00060 | -.00001 | -.00036 | -.00227 | -.00856 | -.01163 | -.00003  |
| #3     | .00339   | -.00088 | .00107  | .00085  | -.00060 | .00203  | .00047  | .00013   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00005   | -.01671 | .00030  | -.00022 | .00010  | -.00217 | -.00003 | .09128   |
| Stddev | .00008   | .00407  | .00036  | .00010  | .00052  | .00027  | .00007  | .04274   |
| %RSD   | 137.11   | 24.332  | 119.31  | 44.496  | 546.83  | 12.385  | 228.18  | 46.827   |
| #1     | .00014   | -.01333 | .00005  | -.00031 | -.00004 | -.00217 | .00002  | .06594   |
| #2     | .00000   | -.01558 | .00014  | -.00011 | .00067  | -.00190 | -.00011 | .06727   |
| #3     | .00002   | -.02122 | .00072  | -.00023 | -.00034 | -.00244 | -.00001 | .14063   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00068  | .00000  | .07681  | -.00015 | -.00031 | .10927  | .00037  | .02213   |
| Stddev | .00019   | .00023  | .01114  | .00017  | .00003  | .02775  | .00045  | .01004   |
| %RSD   | 27.873   | 57150.  | 14.509  | 113.97  | 8.9197  | 25.393  | 121.77  | 45.388   |
| #1     | -.00051  | -.00020 | .07084  | -.00003 | -.00031 | .07770  | .00082  | .03372   |
| #2     | -.00089  | .00024  | .06992  | -.00008 | -.00028 | .12029  | .00036  | .01598   |
| #3     | -.00064  | -.00004 | .08967  | -.00035 | -.00034 | .12981  | -.00008 | .01668   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .02957 | .00085  | -.00019 | .00276  | -.00033 | .0010   | -.00003 | F 3.5478 |
| Stddev | .01252   | .00027  | .00006  | .00286  | .00294  | .0011   | .00010  | .1140    |
| %RSD   | 42.356   | 32.008  | 29.497  | 103.44  | 895.16  | 114.2   | 318.41  | 3.2122   |
| #1     | .02812   | .00071  | -.00017 | .00372  | -.00371 | -.0003  | .00007  | 3.5914   |
| #2     | .04275   | .00068  | -.00026 | .00502  | .00167  | .0018   | -.00002 | 3.6336   |
| #3     | .01783   | .00116  | -.00015 | -.00045 | .00106  | .0013   | -.00013 | 3.4185   |

Sample Name: CCB14      Acquired: 3/2/2019 0:21:00      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 4.1528  
Stddev      1.9603  
%RSD      47.206

#1      4.2760  
#2      2.1337  
#3      6.0486

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3635.0 | 40841. | 3550.3 | 17.003 | 4044.8 |
| Stddev    | 7.4    | 70.    | 14.4   | 1.482  | 6.3    |
| %RSD      | .20350 | .17081 | .40539 | 8.7156 | .15656 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3630.7 | 40805. | 3533.9 | 17.850 | 4041.5 |
| #2 | 3643.6 | 40921. | 3560.5 | 15.292 | 4052.1 |
| #3 | 3630.8 | 40796. | 3556.6 | 17.867 | 4040.8 |

Sample Name: K1645-08      Acquired: 3/2/2019 0:25:30      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SR-9-S      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00188 | -.00405 | .00236 | .00485 | -.00069 | .13982 | .06375 | .00004 |
| Stddev | .00420  | .00183  | .00105 | .00253 | .00127  | .03103 | .00357 | .00003 |
| %RSD   | 223.30  | 45.243  | 44.772 | 52.169 | 184.35  | 22.189 | 5.5971 | 70.619 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00149 | -.00304 | .00354 | .00193 | .00071  | .15218 | .06662 | .00003 |
| #2 | .00211  | -.00295 | .00201 | .00620 | -.00178 | .10452 | .05975 | .00002 |
| #3 | -.00627 | -.00617 | .00152 | .00643 | -.00100 | .16277 | .06487 | .00007 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00014 | 2.3389 | .00085 | -.00039 | .00570 | .00419 | .02976 | .51235 |
| Stddev | .00003  | .0198  | .00030 | .00045  | .00042 | .00085 | .00016 | .00978 |
| %RSD   | 17.600  | .84555 | 35.700 | 113.58  | 7.3387 | 20.319 | .54277 | 1.9086 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00017 | 2.3211 | .00053 | -.00002 | .00522 | .00516 | .02965 | .52185 |
| #2 | -.00013 | 2.3602 | .00113 | -.00028 | .00601 | .00357 | .02969 | .51290 |
| #3 | -.00012 | 2.3354 | .00087 | -.00089 | .00585 | .00384 | .02995 | .50231 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00133 | -.00052 | 304.96 | -.00043 | .01309 | .40395 | .00019 | .02666 |
| Stddev | .00016 | .00051  | 3.63   | .00026  | .00005 | .00887 | .00005 | .00828 |
| %RSD   | 11.730 | 96.787  | 1.1893 | 58.898  | .40447 | 2.1970 | 27.801 | 31.075 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00138 | -.00052 | 303.90 | -.00049 | .01304 | .41305 | .00023 | .03619 |
| #2 | .00115 | -.00103 | 301.98 | -.00016 | .01310 | .39532 | .00020 | .02262 |
| #3 | .00145 | -.00002 | 309.00 | -.00066 | .01315 | .40347 | .00013 | .02117 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .18957 | .15898 | .00120 | .00251 | -.00503 | .0074  | .01179 | 4.7720 |
| Stddev | .00831 | .00541 | .00041 | .00261 | .00270  | .0005  | .00017 | .1926  |
| %RSD   | 4.3821 | 3.4053 | 33.959 | 103.98 | 53.668  | 7.413  | 1.4478 | 4.0358 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .19905 | .15745 | .00082 | -.00027 | -.00731 | .0071 | .01198 | 4.8531 |
| #2 | .18355 | .15450 | .00163 | .00290  | -.00205 | .0080 | .01170 | 4.9107 |
| #3 | .18612 | .16500 | .00114 | .00491  | -.00571 | .0070 | .01168 | 4.5521 |

Sample Name: K1645-08      Acquired: 3/2/2019 0:25:30      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-9-S      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      36.082  
 Stddev      1.605  
 %RSD      4.4475

#1      34.328  
 #2      36.443  
 #3      37.476

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3521.2 | 38580. | 3594.3 | 17.006 | 3647.5 |
| Stddev    | 16.2   | 213.   | 40.0   | .549   | 23.7   |
| %RSD      | .45933 | .55175 | 1.1124 | 3.2292 | .64938 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3509.4 | 38468. | 3611.0 | 17.450 | 3640.8 |
| #2 | 3539.7 | 38447. | 3623.3 | 17.175 | 3673.8 |
| #3 | 3514.7 | 38826. | 3548.7 | 16.392 | 3627.9 |

Sample Name: K1645-12      Acquired: 3/2/2019 0:30:09      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SR-9-D      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00028 | -.00349 | .00137 | .00831 | .00003 | .09316 | .10596 | .00012 |
| Stddev | .00171 | .00225  | .00076 | .00292 | .00202 | .00090 | .00605 | .00005 |
| %RSD   | 617.36 | 64.318  | 55.859 | 35.108 | 8043.6 | .96892 | 5.7056 | 41.042 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00157 | -.00609 | .00182 | .01162 | -.00223 | .09256 | .11276 | .00007 |
| #2 | .00180  | -.00223 | .00049 | .00718 | .00165  | .09271 | .10119 | .00012 |
| #3 | .00061  | -.00216 | .00179 | .00613 | .00066  | .09420 | .10393 | .00016 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00008 | 3.6211 | .00091 | -.00041 | .00587 | .00441 | .04124 | .76159 |
| Stddev | .00003  | .0481  | .00030 | .00010  | .00031 | .00246 | .00011 | .03289 |
| %RSD   | 42.522  | 1.3269 | 32.697 | 23.775  | 5.3575 | 55.754 | .25601 | 4.3180 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00012 | 3.6239 | .00123 | -.00031 | .00603 | .00525 | .04114 | .73115 |
| #2 | -.00006 | 3.6677 | .00086 | -.00050 | .00607 | .00633 | .04135 | .79647 |
| #3 | -.00006 | 3.5717 | .00064 | -.00041 | .00551 | .00164 | .04125 | .75716 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00232 | -.00057 | 307.32 | .00027 | .01419 | .49029 | .00035 | .01860 |
| Stddev | .00064 | .00073  | 1.04   | .00093 | .00014 | .01723 | .00014 | .00579 |
| %RSD   | 27.798 | 127.91  | .33833 | 344.53 | .96077 | 3.5147 | 39.314 | 31.105 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00302 | -.00112 | 308.48 | -.00004 | .01429 | .47242 | .00035 | .02522 |
| #2 | .00216 | .00026  | 306.46 | .00131  | .01426 | .49164 | .00022 | .01608 |
| #3 | .00176 | -.00086 | 307.03 | -.00047 | .01404 | .50680 | .00049 | .01451 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .20656 | .18511 | .00128 | .00227 | -.00249 | .0122  | .01229 | 4.8512 |
| Stddev | .01338 | .00231 | .00049 | .00263 | .00194  | .0003  | .00022 | .1144  |
| %RSD   | 6.4775 | 1.2466 | 38.016 | 115.82 | 77.788  | 2.292  | 1.7758 | 2.3582 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .19320 | .18293 | .00088 | -.00052 | -.00363 | .0122 | .01217 | 4.7288 |
| #2 | .20651 | .18486 | .00114 | .00471  | -.00025 | .0120 | .01216 | 4.9554 |
| #3 | .21996 | .18753 | .00182 | .00263  | -.00358 | .0125 | .01254 | 4.8695 |



Sample Name: K1645-12      Acquired: 3/2/2019 0:30:09      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SR-9-D      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      28.847  
 Stddev      .958  
 %RSD      3.3202

#1      29.266  
 #2      29.524  
 #3      27.751

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3470.6 | 38527. | 3598.0 | 17.133 | 3635.8 |
| Stddev    | 27.4   | 171.   | 24.2   | .975   | 7.9    |
| %RSD      | .79079 | .44351 | .67210 | 5.6915 | .21706 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3457.7 | 38457. | 3593.0 | 16.033 | 3633.7 |
| #2 | 3452.0 | 38403. | 3624.3 | 17.475 | 3644.5 |
| #3 | 3502.1 | 38722. | 3576.7 | 17.892 | 3629.2 |

Sample Name: K1646-02      Acquired: 3/2/2019 0:34:46      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: MMC-SC      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00099 | -.00456 | .00846 | .00408 | -.00331 | .11650 | .05760 | .00001 |
| Stddev | .00271 | .00154  | .00126 | .00177 | .00153  | .01184 | .00641 | .00008 |
| %RSD   | 274.69 | 33.750  | 14.938 | 43.507 | 46.360  | 10.164 | 11.134 | 717.75 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00404  | -.00376 | .00870 | .00236 | -.00366 | .10317 | .05403 | -.00003 |
| #2 | -.00113 | -.00634 | .00958 | .00397 | -.00163 | .12056 | .05376 | -.00005 |
| #3 | .00005  | -.00359 | .00709 | .00591 | -.00463 | .12578 | .06500 | .00011  |

|        |         |        |        |         |        |         |        |        |
|--------|---------|--------|--------|---------|--------|---------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404  | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    |
| Avg    | -.00034 | 189.53 | .00159 | -.00053 | .00654 | -.00547 | .00012 | .11923 |
| Stddev | .00013  | 2.48   | .00043 | .00032  | .00030 | .00087  | .00007 | .04987 |
| %RSD   | 37.427  | 1.3073 | 27.360 | 60.243  | 4.5828 | 15.825  | 60.923 | 41.830 |

|    |         |        |        |         |        |         |        |        |
|----|---------|--------|--------|---------|--------|---------|--------|--------|
| #1 | -.00036 | 188.68 | .00184 | -.00029 | .00632 | -.00489 | .00016 | .08593 |
| #2 | -.00021 | 187.60 | .00184 | -.00090 | .00642 | -.00646 | .00015 | .17657 |
| #3 | -.00046 | 192.33 | .00109 | -.00041 | .00688 | -.00505 | .00003 | .09518 |

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00191 | -.00141 | 357.94 | .00859 | .00371 | 1.3090 | .00119 | .02551 |
| Stddev | .00039  | .00048  | 5.03   | .00061 | .00006 | .0297  | .00010 | .01619 |
| %RSD   | 20.286  | 34.474  | 1.4045 | 7.0569 | 1.6083 | 2.2664 | 8.7399 | 63.476 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00236 | -.00137 | 354.97 | .00793 | .00376 | 1.3371 | .00122 | .02083 |
| #2 | -.00176 | -.00094 | 355.10 | .00872 | .00364 | 1.3120 | .00127 | .01217 |
| #3 | -.00163 | -.00191 | 363.74 | .00912 | .00372 | 1.2780 | .00107 | .04353 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 4.7994 | 4.8210 | .00160 | -.00459 | .01729 | .0064  | .41346 | 5.0141 |
| Stddev | .0282  | .0525  | .00105 | .00397  | .00258 | .0005  | .00511 | .1976  |
| %RSD   | .58792 | 1.0881 | 65.802 | 86.552  | 14.891 | 8.285  | 1.2364 | 3.9408 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | 4.7863 | 4.7969 | .00143 | -.00561 | .01499 | .0060 | .41189 | 5.2081 |
| #2 | 4.8318 | 4.7850 | .00064 | -.00795 | .02007 | .0063 | .40931 | 5.0212 |
| #3 | 4.7802 | 4.8812 | .00272 | -.00020 | .01682 | .0070 | .41917 | 4.8131 |

Sample Name: K1646-02      Acquired: 3/2/2019 0:34:46      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: MMC-SC      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 81.512 |
| Stddev | 7.295  |
| %RSD   | 8.9492 |

|    |        |
|----|--------|
| #1 | 76.916 |
| #2 | 77.697 |
| #3 | 89.923 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3394.9 | 37879. | 3601.6 | 16.163 | 3462.3 |
| Stddev    | 4.1    | 137.   | 34.9   | 1.321  | 5.1    |
| %RSD      | .12032 | .36108 | .96895 | 8.1757 | .14726 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3393.5 | 37755. | 3610.4 | 17.687 | 3466.7 |
| #2 | 3391.7 | 37857. | 3631.3 | 15.349 | 3456.7 |
| #3 | 3399.5 | 38026. | 3563.1 | 15.451 | 3463.4 |

Sample Name: K1647-05      Acquired: 3/2/2019 0:39:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 44766      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00039 | -.00293 | .00714 | .00782 | -.00157 | .63598 | .10664 | -.00001 |
| Stddev | .00261  | .00107  | .00147 | .00209 | .00105  | .01036 | .00424 | .00003  |
| %RSD   | 664.40  | 36.533  | 20.522 | 26.729 | 66.660  | 1.6284 | 3.9756 | 224.56  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00332 | -.00408 | .00553 | .00927 | -.00123 | .63278 | .10571 | -.00001 |
| #2 | .00166  | -.00196 | .00748 | .00878 | -.00074 | .62760 | .10295 | -.00005 |
| #3 | .00049  | -.00275 | .00840 | .00542 | -.00274 | .64756 | .11127 | .00002  |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00012 | 6.7280 | .00158 | .00230 | .00453 | .40904 | .25802 | 1.0319 |
| Stddev | .00012  | .0241  | .00076 | .00017 | .00095 | .00819 | .00069 | .0977  |
| %RSD   | 99.482  | .35812 | 47.914 | 7.5478 | 20.862 | 2.0020 | .26587 | 9.4674 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00017 | 6.7466 | .00175 | .00221 | .00474 | .41847 | .25786 | .92900 |
| #2 | -.00020 | 6.7008 | .00075 | .00250 | .00350 | .40496 | .25743 | 1.1234 |
| #3 | .00002  | 6.7366 | .00224 | .00219 | .00535 | .40370 | .25877 | 1.0433 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00113 | .00005 | 295.32 | .00097 | .05764 | .86712 | .00013 | .03157 |
| Stddev | .00029 | .00039 | 1.32   | .00010 | .00030 | .02415 | .00030 | .01479 |
| %RSD   | 25.676 | 792.79 | .44865 | 10.097 | .51211 | 2.7847 | 229.09 | 46.846 |

|    |        |         |        |        |        |        |         |        |
|----|--------|---------|--------|--------|--------|--------|---------|--------|
| #1 | .00085 | .00001  | 296.13 | .00093 | .05732 | .89226 | -.00020 | .04095 |
| #2 | .00143 | -.00032 | 293.79 | .00089 | .05768 | .86499 | .00038  | .01452 |
| #3 | .00109 | .00046  | 296.04 | .00108 | .05791 | .84411 | .00022  | .03924 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .42868 | 1.0921 | .00053 | .01687 | -.00189 | .0250  | .03683 | 4.6669 |
| Stddev | .01362 | .0132  | .00028 | .00325 | .00354  | .0015  | .00028 | .1039  |
| %RSD   | 3.1769 | 1.2115 | 52.582 | 19.269 | 187.01  | 6.035  | .76013 | 2.2253 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .41674 | 1.1045 | .00074 | .01682 | -.00250 | .0245 | .03715 | 4.6238 |
| #2 | .44351 | 1.0936 | .00063 | .02014 | .00191  | .0238 | .03662 | 4.7854 |
| #3 | .42578 | 1.0782 | .00022 | .01364 | -.00509 | .0267 | .03672 | 4.5916 |

Sample Name: K1647-05      Acquired: 3/2/2019 0:39:23      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 44766      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 28.979 |
| Stddev | 1.556  |
| %RSD   | 5.3700 |

|    |        |
|----|--------|
| #1 | 28.110 |
| #2 | 30.776 |
| #3 | 28.052 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3489.1 | 38612. | 3605.0 | 15.850 | 3602.1 |
| Stddev    | 10.2   | 132.   | 32.9   | .498   | 11.5   |
| %RSD      | .29337 | .34112 | .91275 | 3.1445 | .32051 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3482.8 | 38760. | 3568.9 | 16.250 | 3607.7 |
| #2 | 3483.5 | 38570. | 3612.7 | 16.008 | 3588.8 |
| #3 | 3500.9 | 38506. | 3633.3 | 15.292 | 3609.8 |

Sample Name: K1651-03      Acquired: 3/2/2019 0:43:59      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 351-281      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00086 | -.00496 | .00516 | .00690 | -.00291 | .14148 | .08917 | .00012 |
| Stddev | .00302  | .00109  | .00087 | .00168 | .00108  | .00306 | .00219 | .00003 |
| %RSD   | 349.20  | 21.955  | 16.949 | 24.293 | 37.035  | 2.1643 | 2.4549 | 26.742 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00080  | -.00618 | .00464 | .00786 | -.00415 | .14366 | .08672 | .00008 |
| #2 | .00096  | -.00409 | .00467 | .00496 | -.00227 | .13798 | .09095 | .00014 |
| #3 | -.00435 | -.00460 | .00617 | .00787 | -.00230 | .14280 | .08983 | .00014 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 12.288 | .00117 | .00112 | .00600 | .03223 | .33819 | .49486 |
| Stddev | .00013 | .038   | .00027 | .00006 | .00062 | .00045 | .00071 | .01701 |
| %RSD   | 199.07 | .31270 | 23.351 | 5.6265 | 10.395 | 1.4011 | .20942 | 3.4377 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00002  | 12.253 | .00104 | .00113 | .00537 | .03268 | .33781 | .47569 |
| #2 | .00021  | 12.282 | .00099 | .00118 | .00662 | .03224 | .33901 | .50071 |
| #3 | -.00004 | 12.329 | .00148 | .00105 | .00601 | .03177 | .33776 | .50817 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00245 | -.00027 | 363.11 | -.00059 | .07479 | 1.2906 | .00052 | .01599 |
| Stddev | .00049 | .00104  | 3.29   | .00097  | .00035 | .0306  | .00016 | .01820 |
| %RSD   | 19.866 | 391.15  | .90590 | 165.24  | .47437 | 2.3713 | 30.983 | 113.82 |

|    |        |         |        |         |        |        |        |         |
|----|--------|---------|--------|---------|--------|--------|--------|---------|
| #1 | .00224 | .00075  | 366.30 | -.00087 | .07509 | 1.2576 | .00036 | -.00460 |
| #2 | .00210 | -.00133 | 363.31 | -.00138 | .07487 | 1.2961 | .00067 | .02262  |
| #3 | .00301 | -.00022 | 359.73 | .00049  | .07440 | 1.3181 | .00051 | .02994  |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13234 | .59673 | .00145 | -.00232 | -.00202 | .0087  | .03476 | 5.1112 |
| Stddev | .00423 | .00301 | .00127 | .00176  | .00168  | .0016  | .00013 | .2308  |
| %RSD   | 3.1978 | .50373 | 87.166 | 75.799  | 83.286  | 19.00  | .35996 | 4.5149 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .13373 | .59779 | .00002 | -.00378 | -.00324 | .0072 | .03484 | 5.3758 |
| #2 | .12759 | .59907 | .00243 | -.00280 | -.00010 | .0105 | .03461 | 4.9523 |
| #3 | .13570 | .59334 | .00191 | -.00037 | -.00272 | .0083 | .03481 | 5.0054 |

Sample Name: K1651-03      Acquired: 3/2/2019 0:43:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 351-281      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 36.690 |
| Stddev | 3.507  |
| %RSD   | 9.5589 |

|    |        |
|----|--------|
| #1 | 36.585 |
| #2 | 33.237 |
| #3 | 40.249 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3461.6 | 37974. | 3566.5 | 15.553 | 3572.4 |
| Stddev    | 15.1   | 199.   | 28.0   | 1.236  | 10.9   |
| %RSD      | .43501 | .52362 | .78454 | 7.9454 | .30373 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3444.4 | 37758. | 3536.0 | 16.742 | 3559.9 |
| #2 | 3472.7 | 38017. | 3572.8 | 14.275 | 3577.3 |
| #3 | 3467.5 | 38149. | 3590.8 | 15.642 | 3579.9 |

Sample Name: K1651-05      Acquired: 3/2/2019 0:48:35      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CON-327      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |         |         |        |        |         |
|--------|---------|---------|--------|---------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00098 | -.00658 | .00830 | .00615  | -.00369 | .17753 | .35635 | -.00001 |
| Stddev | .00453  | .00231  | .00103 | .00428  | .00434  | .02323 | .00635 | .00001  |
| %RSD   | 462.71  | 35.187  | 12.392 | 69.648  | 117.55  | 13.082 | 1.7827 | 73.233  |
| #1     | .00418  | -.00756 | .00788 | .01042  | .00077  | .15073 | .34926 | -.00002 |
| #2     | -.00429 | -.00393 | .00755 | .00617  | -.00790 | .19009 | .35828 | -.00000 |
| #3     | -.00283 | -.00824 | .00947 | .00186  | -.00395 | .19177 | .36152 | -.00002 |
| Elem   | Cd2265  | Ca3736  | Cr2677 | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00043 | 338.81  | .13679 | -.00062 | .00281  | .00234 | .00014 | .04813  |
| Stddev | .00008  | .87     | .00044 | .00030  | .00019  | .00078 | .00004 | .05014  |
| %RSD   | 19.334  | .25586  | .32140 | 48.953  | 6.6008  | 33.199 | 26.604 | 104.19  |
| #1     | -.00046 | 339.14  | .13657 | -.00083 | .00260  | .00166 | .00014 | .09405  |
| #2     | -.00033 | 339.46  | .13651 | -.00027 | .00289  | .00319 | .00018 | .05570  |
| #3     | -.00049 | 337.83  | .13730 | -.00075 | .00294  | .00217 | .00011 | -.00537 |
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00246 | -.00285 | 402.34 | .00041  | .01384  | 6.1898 | .01844 | .00470  |
| Stddev | .00041  | .00066  | 1.01   | .00030  | .00008  | .0360  | .00049 | .00883  |
| %RSD   | 16.676  | 23.007  | .25202 | 72.324  | .55048  | .58158 | 2.6314 | 187.69  |
| #1     | -.00294 | -.00352 | 403.51 | .00056  | .01390  | 6.2289 | .01891 | .01004  |
| #2     | -.00227 | -.00220 | 401.71 | .00060  | .01387  | 6.1826 | .01846 | -.00548 |
| #3     | -.00219 | -.00284 | 401.80 | .00007  | .01375  | 6.1579 | .01794 | .00955  |
| Elem   | S_1820  | Si2881  | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .55512  | .14757  | .00414 | -.00892 | .03581  | .0010  | .39102 | 5.6047  |
| Stddev | .02447  | .00351  | .00068 | .00154  | .00077  | .0007  | .00353 | .0960   |
| %RSD   | 4.4078  | 2.3770  | 16.384 | 17.238  | 2.1542  | 66.20  | .90277 | 1.7135  |
| #1     | .55592  | .15158  | .00457 | -.00864 | .03670  | .0005  | .39221 | 5.6294  |
| #2     | .53026  | .14506  | .00449 | -.00754 | .03534  | .0018  | .38704 | 5.4987  |
| #3     | .57917  | .14607  | .00336 | -.01058 | .03539  | .0008  | .39379 | 5.6859  |



Sample Name: K1651-05      Acquired: 3/2/2019 0:48:35      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CON-327      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 98.551  
Stddev      4.132  
%RSD      4.1931

#1      94.570  
#2      98.262  
#3      102.82

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3318.3 | 36728. | 3507.6 | 15.050 | 3367.7 |
| Stddev    | 7.2    | 117.   | 34.9   | .334   | 10.7   |
| %RSD      | .21594 | .31814 | .99458 | 2.2183 | .31748 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3310.6 | 36594. | 3469.4 | 15.194 | 3358.8 |
| #2 | 3324.8 | 36783. | 3515.9 | 14.669 | 3379.6 |
| #3 | 3319.5 | 36807. | 3537.7 | 15.288 | 3364.8 |

Sample Name: K1652-11      Acquired: 3/2/2019 0:53:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-DAY-1      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00032 | -.00431 | .06826 | .00611 | -.00296 | .08762 | .09911 | .00001 |
| Stddev | .00063 | .00252  | .00034 | .00324 | .00235  | .00531 | .00321 | .00007 |
| %RSD   | 198.85 | 58.568  | .50164 | 53.072 | 79.364  | 6.0656 | 3.2365 | 516.51 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00102  | -.00209 | .06838 | .00368 | -.00483 | .09211 | .09543 | -.00004 |
| #2 | .00016  | -.00379 | .06788 | .00979 | -.00372 | .08175 | .10129 | .00009  |
| #3 | -.00022 | -.00705 | .06853 | .00485 | -.00032 | .08899 | .10061 | -.00002 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00021 | 51.217 | .00192 | .00014 | .00383 | .01852 | .12600 | 1.6525 |
| Stddev | .00010 | .229   | .00013 | .00006 | .00046 | .00076 | .00068 | .0876  |
| %RSD   | 49.033 | .44785 | 6.8602 | 45.245 | 11.892 | 4.1169 | .53731 | 5.3000 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00020 | 50.955 | .00206 | .00016 | .00372 | .01843 | .12634 | 1.7295 |
| #2 | .00011 | 51.382 | .00189 | .00007 | .00433 | .01781 | .12522 | 1.5572 |
| #3 | .00032 | 51.314 | .00180 | .00020 | .00344 | .01933 | .12644 | 1.6709 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00252 | -.00049 | 307.68 | .00031 | .07708 | .91573 | .00057 | .00815 |
| Stddev | .00034 | .00040  | 2.23   | .00007 | .00077 | .02751 | .00031 | .00509 |
| %RSD   | 13.593 | 80.260  | .72591 | 22.838 | .99767 | 3.0040 | 53.628 | 62.407 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00217 | -.00062 | 305.60 | .00029 | .07796 | .88635 | .00024 | .00753 |
| #2 | .00286 | -.00082 | 310.04 | .00025 | .07674 | .94088 | .00085 | .00340 |
| #3 | .00253 | -.00005 | 307.40 | .00039 | .07654 | .91996 | .00063 | .01352 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2656 | .60090 | .00153 | -.00006 | .00608 | .0393  | .13361 | 4.9375 |
| Stddev | .0144  | .00521 | .00123 | .00407  | .00325 | .0009  | .00005 | .1882  |
| %RSD   | 1.1384 | .86730 | 80.714 | 6749.3  | 53.512 | 2.265  | .03440 | 3.8115 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | 1.2786 | .59496 | .00246 | .00464  | .00241 | .0397 | .13356 | 5.0274 |
| #2 | 1.2501 | .60471 | .00199 | -.00248 | .00862 | .0383 | .13364 | 5.0638 |
| #3 | 1.2682 | .60303 | .00013 | -.00234 | .00720 | .0399 | .13364 | 4.7212 |

Sample Name: K1652-11      Acquired: 3/2/2019 0:53:12      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-DAY-1      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      54.647  
 Stddev      3.065  
 %RSD      5.6083

#1      56.557  
 #2      51.112  
 #3      56.272

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3442.0 | 38046. | 3549.2 | 16.175 | 3547.6 |
| Stddev    | 15.5   | 118.   | 19.7   | .949   | 32.7   |
| %RSD      | .44921 | .30976 | .55417 | 5.8681 | .92310 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3425.8 | 37910. | 3562.0 | 16.267 | 3509.9 |
| #2 | 3443.6 | 38121. | 3526.5 | 17.075 | 3563.9 |
| #3 | 3456.6 | 38106. | 3559.0 | 15.183 | 3568.9 |

Sample Name: K1652-13      Acquired: 3/2/2019 0:57:47      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: COMP-DAY-2      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00630 | -.00222 | .05744 | .00437 | -.00141 | .09176 | .21046 | .00007 |
| Stddev | .00129 | .00198  | .00180 | .00272 | .00204  | .00527 | .00695 | .00005 |
| %RSD   | 20.471 | 89.205  | 3.1268 | 62.144 | 144.52  | 5.7419 | 3.3044 | 70.361 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00508 | .00005  | .05643 | .00238 | .00071  | .09771 | .20261 | .00005 |
| #2 | .00617 | -.00313 | .05637 | .00747 | -.00159 | .08989 | .21584 | .00013 |
| #3 | .00765 | -.00358 | .05951 | .00327 | -.00337 | .08768 | .21294 | .00004 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00136 | 26.628 | .00072 | .00075 | .01572 | .03055 | .28361 | 1.5068 |
| Stddev | .00016 | .076   | .00030 | .00010 | .00016 | .00123 | .00085 | .0829  |
| %RSD   | 11.573 | .28702 | 41.312 | 13.563 | 1.0472 | 4.0116 | .29825 | 5.5016 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00122 | 26.553 | .00101 | .00087 | .01555 | .03179 | .28283 | 1.4850 |
| #2 | .00153 | 26.706 | .00042 | .00070 | .01573 | .02934 | .28451 | 1.4371 |
| #3 | .00134 | 26.625 | .00072 | .00069 | .01588 | .03052 | .28350 | 1.5985 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00260 | -.00048 | 305.18 | .00010 | .13334 | 1.3012 | .00018 | .00763 |
| Stddev | .00062 | .00083  | 5.19   | .00088 | .00063 | .0442  | .00023 | .00435 |
| %RSD   | 24.027 | 172.90  | 1.6994 | 906.71 | .47198 | 3.3970 | 125.76 | 56.948 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00190 | -.00105 | 309.61 | .00024  | .13302 | 1.2507 | .00040  | .01197 |
| #2 | .00281 | .00047  | 299.48 | -.00085 | .13293 | 1.3324 | -.00005 | .00328 |
| #3 | .00309 | -.00086 | 306.46 | .00090  | .13406 | 1.3206 | .00019  | .00764 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .32819 | .55115 | .00188 | .00195 | .00046 | .1989  | .10087 | 4.6121 |
| Stddev | .03043 | .00791 | .00071 | .00220 | .00117 | .0021  | .00019 | .1834  |
| %RSD   | 9.2714 | 1.4353 | 37.589 | 112.42 | 255.22 | 1.037  | .18698 | 3.9755 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .29550 | .55017 | .00256 | .00399  | .00056  | .1990 | .10080 | 4.8028 |
| #2 | .33337 | .54377 | .00115 | -.00037 | .00157  | .1968 | .10109 | 4.4371 |
| #3 | .35569 | .55950 | .00193 | .00224  | -.00076 | .2009 | .10073 | 4.5965 |

Sample Name: K1652-13      Acquired: 3/2/2019 0:57:47      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: COMP-DAY-2      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      56.015  
 Stddev      4.314  
 %RSD      7.7015

#1      59.333  
 #2      57.574  
 #3      51.139

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3518.3 | 38884. | 3632.4 | 15.358 | 3640.3 |
| Stddev    | 20.5   | 110.   | 47.9   | .735   | 19.1   |
| %RSD      | .58407 | .28357 | 1.3177 | 4.7868 | .52595 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3539.7 | 38780. | 3594.7 | 15.250 | 3659.1 |
| #2 | 3516.3 | 38873. | 3686.2 | 16.142 | 3641.0 |
| #3 | 3498.8 | 39000. | 3616.2 | 14.683 | 3620.8 |

Sample Name: K1654-03      Acquired: 3/2/2019 1:02:22      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: SOIL-PILE      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00106 | -.00312 | .00938 | .00479 | -.00256 | .15285 | .11306 | .00015 |
| Stddev | .00367 | .00085  | .00162 | .00482 | .00068  | .00657 | .00470 | .00005 |
| %RSD   | 344.68 | 27.306  | 17.314 | 100.77 | 26.708  | 4.3011 | 4.1590 | 34.471 |

|    |         |         |        |         |         |        |        |        |
|----|---------|---------|--------|---------|---------|--------|--------|--------|
| #1 | -.00302 | -.00339 | .00899 | -.00033 | -.00284 | .14645 | .10986 | .00015 |
| #2 | .00215  | -.00217 | .00799 | .00925  | -.00306 | .15250 | .11087 | .00020 |
| #3 | .00406  | -.00381 | .01116 | .00544  | -.00178 | .15959 | .11846 | .00010 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00008 | 16.527 | .00174 | .00688 | .00336 | .28338 | .43368 | .98135 |
| Stddev | .00002 | .042   | .00012 | .00022 | .00043 | .00182 | .00119 | .02280 |
| %RSD   | 27.225 | .25574 | 6.7523 | 3.2462 | 12.681 | .64375 | .27335 | 2.3233 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00006 | 16.492 | .00188 | .00697 | .00290 | .28230 | .43241 | .95739 |
| #2 | .00010 | 16.515 | .00168 | .00663 | .00374 | .28548 | .43476 | .98388 |
| #3 | .00009 | 16.574 | .00167 | .00705 | .00345 | .28235 | .43388 | 1.0028 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00725 | -.00069 | 395.49 | -.00083 | .04525 | 2.1909 | .00003 | .02054 |
| Stddev | .00023 | .00071  | 4.44   | .00014  | .00016 | .0245  | .00030 | .00238 |
| %RSD   | 3.1710 | 103.14  | 1.1220 | 17.210  | .36228 | 1.1166 | 931.04 | 11.582 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00707 | -.00109 | 399.18 | -.00068 | .04544 | 2.1682 | .00029  | .01836 |
| #2 | .00751 | -.00111 | 396.73 | -.00083 | .04517 | 2.1876 | .00011  | .02020 |
| #3 | .00717 | .00013  | 390.57 | -.00097 | .04514 | 2.2168 | -.00030 | .02308 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1382 | .57740 | .00199 | .00110 | .00097 | .0046  | .03641 | 4.9370 |
| Stddev | .0173  | .00683 | .00183 | .00185 | .00067 | .0020  | .00010 | .0946  |
| %RSD   | 1.5230 | 1.1824 | 91.729 | 168.46 | 69.073 | 43.86  | .26116 | 1.9161 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | 1.1317 | .57916 | .00012 | .00010  | .00134 | .0040 | .03645 | 4.9823 |
| #2 | 1.1579 | .58319 | .00208 | .00323  | .00020 | .0069 | .03630 | 5.0004 |
| #3 | 1.1251 | .56987 | .00378 | -.00004 | .00137 | .0030 | .03647 | 4.8283 |

Sample Name: K1654-03      Acquired: 3/2/2019 1:02:22      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: SOIL-PILE      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      45.362  
 Stddev      5.208  
 %RSD      11.480

#1      39.367  
 #2      47.962  
 #3      48.759

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3510.2 | 38440. | 3631.4 | 17.358 | 3609.6 |
| Stddev    | 32.0   | 38.    | 42.8   | 1.274  | 6.5    |
| %RSD      | .91035 | .09989 | 1.1788 | 7.3402 | .18012 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3485.1 | 38438. | 3604.2 | 16.383 | 3602.5 |
| #2 | 3546.2 | 38403. | 3609.1 | 18.800 | 3615.3 |
| #3 | 3499.3 | 38480. | 3680.7 | 16.892 | 3611.1 |

Sample Name: CCV15      Acquired: 3/2/2019 1:06:59      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSAB7978      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |          |        |        |
|--------|--------|--------|--------|--------|--------|----------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961   | Ba4934 | Be2348 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 4.9865 | 5.0767 | 4.9193 | 5.1453 | 4.9960 | 10.127   | 10.325 | .25082 |
| Stddev | .0044  | .0043  | .0101  | .0132  | .0054  | .028     | .046   | .00049 |
| %RSD   | .08805 | .08533 | .20420 | .25717 | .10776 | .27637   | .44837 | .19355 |
| #1     | 4.9817 | 5.0736 | 4.9141 | 5.1605 | 4.9974 | 10.130   | 10.300 | .25097 |
| #2     | 4.9873 | 5.0817 | 4.9130 | 5.1359 | 5.0006 | 10.153   | 10.296 | .25028 |
| #3     | 4.9904 | 5.0749 | 4.9309 | 5.1397 | 4.9901 | 10.098   | 10.378 | .25121 |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.4620 | 25.888 | 1.0336 | 2.4861 | 1.2804 | 5.4818   | 2.5119 | 27.048 |
| Stddev | .0033  | .085   | .0040  | .0060  | .0030  | .0256    | .0027  | .230   |
| %RSD   | .13557 | .32825 | .39069 | .24007 | .23677 | .46661   | .10795 | .85173 |
| #1     | 2.4586 | 25.840 | 1.0382 | 2.4795 | 1.2770 | 5.4734   | 2.5105 | 26.895 |
| #2     | 2.4622 | 25.986 | 1.0320 | 2.4877 | 1.2829 | 5.4615   | 2.5102 | 27.313 |
| #3     | 2.4653 | 25.839 | 1.0307 | 2.4911 | 1.2813 | 5.5106   | 2.5151 | 26.936 |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 2.7133 | 1.2986 | 26.521 | 2.6826 | 2.4214 | F 27.572 | 4.9868 | 5.0823 |
| Stddev | .0098  | .0047  | .074   | .0037  | .0011  | .251     | .0128  | .0580  |
| %RSD   | .36107 | .36143 | .27904 | .13709 | .04391 | .90948   | .25672 | 1.1415 |
| #1     | 2.7028 | 1.3031 | 26.522 | 2.6799 | 2.4202 | 27.303   | 4.9978 | 5.0260 |
| #2     | 2.7149 | 1.2937 | 26.446 | 2.6812 | 2.4222 | 27.613   | 4.9900 | 5.1419 |
| #3     | 2.7222 | 1.2988 | 26.594 | 2.6868 | 2.4218 | 27.800   | 4.9728 | 5.0792 |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm    |
| Avg    | 5.0900 | 5.1798 | 4.9565 | 4.9902 | 4.9493 | 5.102    | 5.0038 | 4.5912 |
| Stddev | .0271  | .0256  | .0185  | .0220  | .0277  | .016     | .0188  | .1353  |
| %RSD   | .53276 | .49516 | .37264 | .44046 | .55902 | .3125    | .37508 | 2.9458 |
| #1     | 5.1212 | 5.1837 | 4.9396 | 4.9764 | 4.9504 | 5.105    | 4.9967 | 4.7352 |
| #2     | 5.0732 | 5.1524 | 4.9535 | 5.0155 | 4.9210 | 5.085    | 4.9896 | 4.5715 |
| #3     | 5.0755 | 5.2033 | 4.9762 | 4.9787 | 4.9763 | 5.116    | 5.0251 | 4.4669 |



Sample Name: CCV15      Acquired: 3/2/2019 1:06:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7978      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 16.309  
Stddev      7.644  
%RSD      46.869

#1      18.725  
#2      22.454  
#3      7.7494

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3593.3 | 39914. | 3547.0 | 15.029 | 3687.4 |
| Stddev    | 7.1    | 107.   | 16.1   | 1.187  | 1.7    |
| %RSD      | .19791 | .26835 | .45342 | 7.8951 | .04742 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3589.3 | 39803. | 3545.9 | 15.685 | 3687.5 |
| #2 | 3589.0 | 40017. | 3563.6 | 15.741 | 3685.6 |
| #3 | 3601.5 | 39921. | 3531.5 | 13.659 | 3689.1 |

Sample Name: CCB15      Acquired: 3/2/2019 1:11:00      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14614      Custom ID2:      Custom ID3:  
 Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00043   | .00061  | .00022  | .00472  | -.00250 | .00097  | -.00040 | -.00000  |
| Stddev | .00252   | .00163  | .00082  | .00091  | .00074  | .02607  | .00431  | .00008   |
| %RSD   | 588.36   | 267.55  | 368.37  | 19.227  | 29.637  | 2697.7  | 1081.5  | 4826.7   |
| #1     | .00065   | .00223  | -.00050 | .00494  | -.00332 | -.00207 | -.00318 | .00008   |
| #2     | -.00220  | .00064  | .00005  | .00551  | -.00187 | .02842  | .00457  | -.00008  |
| #3     | .00283   | -.00104 | .00112  | .00373  | -.00233 | -.02346 | -.00258 | -.00001  |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00001  | -.01082 | .00013  | .00003  | -.00032 | .00076  | -.00000 | .07609   |
| Stddev | .00008   | .02104  | .00035  | .00023  | .00038  | .00064  | .00006  | .02280   |
| %RSD   | 614.25   | 194.46  | 266.52  | 695.86  | 118.77  | 84.736  | 14987.  | 29.961   |
| #1     | -.00008  | -.02359 | .00042  | .00022  | -.00029 | .00020  | .00004  | .07578   |
| #2     | .00007   | -.02234 | -.00026 | -.00022 | .00004  | .00061  | .00003  | .05345   |
| #3     | -.00003  | .01347  | .00023  | .00009  | -.00072 | .00146  | -.00007 | .09904   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00058  | .00002  | .09662  | -.00017 | -.00022 | .05282  | .00025  | .01829   |
| Stddev | .00039   | .00035  | .00784  | .00022  | .00007  | .04083  | .00012  | .00908   |
| %RSD   | 67.041   | 2339.3  | 8.1130  | 126.62  | 32.177  | 77.297  | 47.587  | 49.641   |
| #1     | -.00101  | -.00016 | .09326  | -.00033 | -.00024 | .09995  | .00033  | .01663   |
| #2     | -.00025  | -.00022 | .09102  | .00008  | -.00014 | .02983  | .00030  | .02808   |
| #3     | -.00048  | .00042  | .10558  | -.00027 | -.00028 | .02867  | .00011  | .01015   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04994 | .00256  | .00005  | .00371  | -.00415 | .0008   | -.00014 | F 3.4461 |
| Stddev | .01145   | .00354  | .00033  | .00389  | .00091  | .0004   | .00006  | .0305    |
| %RSD   | 22.917   | 138.02  | 610.17  | 104.93  | 21.844  | 55.39   | 46.510  | .88457   |
| #1     | .05881   | -.00097 | -.00030 | .00628  | -.00310 | .0009   | -.00011 | 3.4148   |
| #2     | .05399   | .00255  | .00035  | .00561  | -.00463 | .0003   | -.00021 | 3.4477   |
| #3     | .03702   | .00610  | .00012  | -.00077 | -.00470 | .0012   | -.00009 | 3.4757   |

Sample Name: CCB15      Acquired: 3/2/2019 1:11:00      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCV14614      Custom ID2:      Custom ID3:  
 Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 6.3552 |
| Stddev | 3.8517   |
| %RSD   | 60.608   |

|    |        |
|----|--------|
| #1 | 2.8088 |
| #2 | 5.8039 |
| #3 | 10.453 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3646.1 | 40840. | 3495.9 | 15.033 | 4055.0 |
| Stddev    | 9.0    | 98.    | 24.9   | .629   | 9.3    |
| %RSD      | .24774 | .24055 | .71149 | 4.1854 | .22982 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3636.1 | 40935. | 3467.9 | 15.658 | 4044.6 |
| #2 | 3648.7 | 40739. | 3504.4 | 14.400 | 4058.1 |
| #3 | 3653.6 | 40847. | 3515.4 | 15.042 | 4062.4 |

Sample Name: K1665-02      Acquired: 3/2/2019 1:15:30      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 200051      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00112 | -.00277 | .00414 | .00275 | -.00356 | .51017 | .07870 | .00018 |
| Stddev | .00216 | .00256  | .00070 | .00172 | .00174  | .00715 | .00436 | .00009 |
| %RSD   | 192.15 | 92.407  | 17.030 | 62.518 | 48.884  | 1.4009 | 5.5461 | 50.694 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00002 | .00017  | .00495 | .00151 | -.00219 | .51832 | .08070 | .00027 |
| #2 | -.00022 | -.00396 | .00372 | .00471 | -.00551 | .50499 | .08170 | .00020 |
| #3 | .00361  | -.00452 | .00374 | .00202 | -.00297 | .50719 | .07369 | .00008 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00007 | 11.353 | .00065 | .00216 | .00473 | .54033 | .09894 | 1.2410 |
| Stddev | .00008 | .029   | .00029 | .00013 | .00041 | .00534 | .00104 | .0922  |
| %RSD   | 115.46 | .25156 | 45.160 | 5.9588 | 8.7399 | .98862 | 1.0500 | 7.4321 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00008  | 11.332 | .00079 | .00221 | .00510 | .54575 | .10014 | 1.3277 |
| #2 | .00014  | 11.340 | .00086 | .00201 | .00428 | .53507 | .09838 | 1.2514 |
| #3 | -.00002 | 11.385 | .00031 | .00226 | .00480 | .54017 | .09830 | 1.1441 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00255 | -.00079 | 272.71 | .00017 | .04747 | .54876 | .00007 | .01666 |
| Stddev | .00023 | .00040  | .94    | .00029 | .00015 | .10708 | .00041 | .00538 |
| %RSD   | 8.9688 | 51.111  | .34623 | 174.41 | .31069 | 19.513 | 567.55 | 32.287 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00278 | -.00036 | 273.68 | .00051  | .04730 | .46967 | -.00040 | .02029 |
| #2 | .00232 | -.00085 | 272.65 | .00002  | .04755 | .50599 | .00032  | .01048 |
| #3 | .00254 | -.00116 | 271.79 | -.00002 | .04756 | .67061 | .00030  | .01922 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1294 | 1.3293 | .00142 | .01087 | -.00392 | .0055  | .05311 | 4.0505 |
| Stddev | .0054  | .0058  | .00082 | .00540 | .00284  | .0010  | .00025 | .0353  |
| %RSD   | .47879 | .43742 | 57.729 | 49.692 | 72.524  | 17.75  | .46669 | .87060 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.1232 | 1.3341 | .00131 | .01391 | -.00069 | .0062 | .05291 | 4.0856 |
| #2 | 1.1331 | 1.3228 | .00065 | .00463 | -.00604 | .0044 | .05304 | 4.0151 |
| #3 | 1.1319 | 1.3311 | .00228 | .01407 | -.00503 | .0059 | .05339 | 4.0509 |

Sample Name: K1665-02      Acquired: 3/2/2019 1:15:30      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 200051      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      28.249  
 Stddev      4.103  
 %RSD      14.526

#1      24.419  
 #2      27.748  
 #3      32.580

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3636.6 | 39809. | 3651.5 | 16.426 | 3732.8 |
| Stddev    | 29.9   | 214.   | 4.5    | .801   | 26.7   |
| %RSD      | .82282 | .53808 | .12189 | 4.8794 | .71398 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3671.1 | 39562. | 3651.7 | 16.925 | 3763.3 |
| #2 | 3620.9 | 39950. | 3647.0 | 16.851 | 3714.3 |
| #3 | 3617.9 | 39914. | 3655.9 | 15.501 | 3720.7 |

Sample Name: K1665-02DUP      Acquired: 3/2/2019 1:19:59      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00224 | -.00282 | .00445 | .00521 | -.00439 | .55740 | .07676 | .00018 |
| Stddev | .00214  | .00249  | .00074 | .00318 | .00136  | .02648 | .00517 | .00003 |
| %RSD   | 95.520  | 88.365  | 16.669 | 61.139 | 30.899  | 4.7506 | 6.7303 | 18.396 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00018 | -.00362 | .00377 | .00870 | -.00308 | .56751 | .08222 | .00021 |
| #2 | -.00209 | -.00003 | .00432 | .00446 | -.00579 | .57733 | .07612 | .00017 |
| #3 | -.00445 | -.00482 | .00524 | .00247 | -.00430 | .52735 | .07195 | .00015 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00010 | 12.482 | .00160 | .00214 | .00537 | .57815 | .10748 | 1.4047 |
| Stddev | .00008  | .017   | .00032 | .00007 | .00039 | .00165 | .00032 | .0873  |
| %RSD   | 84.849  | .13244 | 19.910 | 3.1059 | 7.2254 | .28458 | .29792 | 6.2160 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00004 | 12.501 | .00163 | .00217 | .00581 | .57744 | .10723 | 1.4725 |
| #2 | -.00020 | 12.473 | .00127 | .00218 | .00523 | .57699 | .10738 | 1.4354 |
| #3 | -.00007 | 12.472 | .00190 | .00206 | .00508 | .58003 | .10784 | 1.3061 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00291 | -.00075 | 295.04 | .00042 | .05071 | .65758 | .00031 | .02085 |
| Stddev | .00028 | .00029  | .50    | .00019 | .00023 | .06614 | .00013 | .00317 |
| %RSD   | 9.6609 | 38.837  | .16892 | 44.890 | .44677 | 10.058 | 42.564 | 15.198 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00318 | -.00093 | 294.59 | .00058 | .05074 | .58616 | .00045 | .02143 |
| #2 | .00291 | -.00041 | 295.57 | .00021 | .05047 | .71672 | .00020 | .01743 |
| #3 | .00262 | -.00091 | 294.96 | .00048 | .05092 | .66986 | .00027 | .02368 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.1747 | 1.4182 | .00214 | .01143 | -.00076 | .0059  | .05822 | 4.9064 |
| Stddev | .0206  | .0048  | .00061 | .00252 | .00219  | .0009  | .00035 | .1786  |
| %RSD   | 1.7526 | .33626 | 28.551 | 22.013 | 287.61  | 15.18  | .60058 | 3.6399 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.1983 | 1.4132 | .00191 | .00976 | -.00081 | .0065 | .05790 | 5.0768 |
| #2 | 1.1653 | 1.4227 | .00283 | .01432 | -.00292 | .0063 | .05816 | 4.7206 |
| #3 | 1.1605 | 1.4189 | .00167 | .01020 | .00145  | .0049 | .05859 | 4.9218 |

Sample Name: K1665-02DUP      Acquired: 3/2/2019 1:19:59      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CRI      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 27.314 |
| Stddev | 5.214  |
| %RSD   | 19.090 |

|    |        |
|----|--------|
| #1 | 32.902 |
| #2 | 22.578 |
| #3 | 26.463 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3512.6 | 38483. | 3569.8 | 17.261 | 3639.6 |
| Stddev    | 7.9    | 108.   | 4.8    | .785   | 4.8    |
| %RSD      | .22481 | .27997 | .13400 | 4.5457 | .13240 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3514.1 | 38359. | 3574.7 | 17.583 | 3640.1 |
| #2 | 3519.6 | 38533. | 3565.2 | 16.367 | 3644.2 |
| #3 | 3504.1 | 38557. | 3569.5 | 17.833 | 3634.6 |

Sample Name: K1665-02LX5      Acquired: 3/2/2019 1:24:35      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSA7982      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |        |        |         |
|--------|---------|---------|---------|---------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00365  | .00042  | .00196  | .00189  | -.00309 | .11679 | .01453 | .00005  |
| Stddev | .00102  | .00095  | .00037  | .00440  | .00199  | .01006 | .00483 | .00015  |
| %RSD   | 27.826  | 225.92  | 19.103  | 232.53  | 64.304  | 8.6121 | 33.215 | 315.63  |
| #1     | .00388  | -.00061 | .00224  | .00632  | -.00262 | .11325 | .01528 | .00007  |
| #2     | .00254  | .00127  | .00211  | .00184  | -.00138 | .12814 | .01895 | -.00011 |
| #3     | .00454  | .00060  | .00154  | -.00248 | -.00527 | .10898 | .00938 | .00019  |
| Elem   | Cd2265  | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404 | Mn2576 | Mg2790  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00005 | 2.5070  | .00010  | .00038  | .00117  | .12415 | .02201 | .31452  |
| Stddev | .00004  | .0169   | .00032  | .00022  | .00056  | .00095 | .00031 | .04640  |
| %RSD   | 89.278  | .67397  | 325.67  | 58.593  | 47.649  | .76411 | 1.4141 | 14.752  |
| #1     | -.00003 | 2.4875  | .00010  | .00056  | .00177  | .12321 | .02180 | .33402  |
| #2     | -.00002 | 2.5179  | .00041  | .00044  | .00106  | .12412 | .02237 | .26155  |
| #3     | -.00010 | 2.5156  | -.00022 | .00013  | .00068  | .12511 | .02186 | .34798  |
| Elem   | Ni2316  | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00065 | -.00077 | 60.020  | -.00042 | .00976  | .19742 | .00012 | .01178  |
| Stddev | .00029  | .00017  | 1.058   | .00059  | .00010  | .06044 | .00006 | .01439  |
| %RSD   | 44.425  | 21.609  | 1.7627  | 139.01  | 1.0580  | 30.613 | 44.898 | 122.24  |
| #1     | -.00057 | -.00080 | 60.369  | -.00042 | .00983  | .13380 | .00018 | .02647  |
| #2     | -.00098 | -.00092 | 58.832  | .00017  | .00964  | .25407 | .00012 | .01115  |
| #3     | -.00042 | -.00059 | 60.859  | -.00101 | .00981  | .20439 | .00007 | -.00229 |
| Elem   | S_1820  | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670  |
| Units  | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    | ppm    | ppm     |
| Avg    | .25815  | .30371  | .00043  | .00513  | -.00379 | .0030  | .01165 | 3.9273  |
| Stddev | .01613  | .00135  | .00022  | .00303  | .00136  | .0007  | .00008 | .2344   |
| %RSD   | 6.2479  | .44338  | 51.524  | 59.080  | 35.717  | 23.11  | .65580 | 5.9675  |
| #1     | .24661  | .30341  | .00020  | .00377  | -.00312 | .0022  | .01174 | 3.9557  |
| #2     | .25126  | .30253  | .00045  | .00302  | -.00291 | .0032  | .01162 | 3.6800  |
| #3     | .27658  | .30518  | .00064  | .00860  | -.00535 | .0036  | .01160 | 4.1461  |



Sample Name: K1665-02LX5      Acquired: 3/2/2019 1:24:35      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: ICSA7982      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 15.334 |
| Stddev | 1.369  |
| %RSD   | 8.9310 |

|    |        |
|----|--------|
| #1 | 14.175 |
| #2 | 14.983 |
| #3 | 16.845 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3639.1 | 40004. | 3556.6 | 16.536 | 3857.0 |
| Stddev    | 20.9   | 39.    | 47.5   | 1.543  | 6.7    |
| %RSD      | .57570 | .09797 | 1.3348 | 9.3303 | .17426 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3627.9 | 40043. | 3526.0 | 17.991 | 3851.4 |
| #2 | 3626.1 | 40004. | 3611.3 | 14.918 | 3864.5 |
| #3 | 3663.2 | 39965. | 3532.5 | 16.698 | 3855.2 |

Sample Name: K1665-02MS      Acquired: 3/2/2019 1:29:04      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7982      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89972 | 2.2275 | 1.0840 | 2.3566 | .90839 | 2.9144 | .31482 |
| Stddev | .00266 | .0228  | .0112  | .0154  | .00613 | .0372  | .00430 |
| %RSD   | .29576 | 1.0220 | 1.0315 | .65166 | .67442 | 1.2761 | 1.3655 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89691 | 2.2132 | 1.0736 | 2.3477 | .90528 | 2.8808 | .31081 |
| #2 | .90005 | 2.2537 | 1.0958 | 2.3477 | .90445 | 2.9543 | .31936 |
| #3 | .90221 | 2.2155 | 1.0826 | 2.3743 | .91545 | 2.9080 | .31430 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22783 | .22276 | 12.878 | .47957 | .23071 | .35152 | 3.9837 |
| Stddev | .00042 | .00230 | .053   | .00170 | .00128 | .00240 | .0357  |
| %RSD   | .18524 | 1.0308 | .41145 | .35452 | .55605 | .68196 | .89703 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22734 | .22067 | 12.920 | .47764 | .22954 | .35143 | 4.0118 |
| #2 | .22804 | .22522 | 12.819 | .48085 | .23208 | .34916 | 3.9435 |
| #3 | .22810 | .22239 | 12.897 | .48021 | .23050 | .35396 | 3.9958 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .32773 | 3.4813 | .57865 | .08571 | 278.20 | .36162 | .27133 |
| Stddev | .00046 | .0769  | .00488 | .00016 | 1.14   | .00139 | .00201 |
| %RSD   | .14146 | 2.2083 | .84335 | .19044 | .40887 | .38435 | .73921 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .32807 | 3.4944 | .57418 | .08552 | 279.23 | .36002 | .27014 |
| #2 | .32721 | 3.3986 | .58386 | .08581 | 278.38 | .36236 | .27364 |
| #3 | .32793 | 3.5507 | .57793 | .08580 | 276.98 | .36249 | .27019 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.502 | .45741 | .35060 | 1.0892 | 2.3701 | .76143 | .23935 |
| Stddev | .070   | .00215 | .00598 | .0184  | .0101  | .00799 | .00365 |
| %RSD   | .55989 | .47052 | 1.7054 | 1.6869 | .42625 | 1.0493 | 1.5255 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.425 | .45601 | .35698 | 1.0692 | 2.3771 | .75647 | .23723 |
| #2 | 12.560 | .45634 | .34968 | 1.0930 | 2.3585 | .77065 | .24357 |
| #3 | 12.522 | .45989 | .34512 | 1.1054 | 2.3746 | .75717 | .23725 |

Sample Name: K1665-02MS      Acquired: 3/2/2019 1:29:04      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: ICSAB7982      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |          |
|--------|--------|--------|--------|--------|----------|
| Elem   | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | .24162 | 6.927  | .28167 | 4.7662 | F<.00000 |
| Stddev | .00078 | .052   | .00048 | .1343  | 10.186   |
| %RSD   | .32207 | .7558  | .17050 | 2.8177 | 15.541   |

|    |        |       |        |        |         |
|----|--------|-------|--------|--------|---------|
| #1 | .24104 | 6.903 | .28214 | 4.7801 | -69.221 |
| #2 | .24251 | 6.988 | .28118 | 4.6255 | -73.385 |
| #3 | .24132 | 6.892 | .28169 | 4.8930 | -54.032 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3549.6 | 39284. | 3605.2 | 15.661 | 3638.3 |
| Stddev    | 22.9   | 26.    | 29.6   | 1.149  | 14.3   |
| %RSD      | .64468 | .06599 | .82031 | 7.3338 | .39250 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3542.9 | 39311. | 3579.3 | 14.909 | 3642.8 |
| #2 | 3575.1 | 39281. | 3637.4 | 16.983 | 3622.3 |
| #3 | 3530.8 | 39260. | 3598.9 | 15.092 | 3649.8 |

Sample Name: K1665-02MSD      Acquired: 3/2/2019 1:33:18      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14620      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .89912 | 2.2348 | 1.0955 | 2.3645 | .91490 | 3.0246 | .33732 |
| Stddev | .00322 | .0169  | .0041  | .0048  | .00382 | .0560  | .00680 |
| %RSD   | .35803 | .75501 | .37041 | .20152 | .41757 | 1.8529 | 2.0157 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .89683 | 2.2390 | 1.0987 | 2.3597 | .91520 | 2.9789 | .33665 |
| #2 | .89773 | 2.2163 | 1.0909 | 2.3692 | .91856 | 3.0871 | .34444 |
| #3 | .90280 | 2.2493 | 1.0967 | 2.3647 | .91094 | 3.0078 | .33089 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23067 | .22520 | 15.267 | .48257 | .23327 | .35056 | 4.1186 |
| Stddev | .00019 | .00130 | .119   | .00108 | .00136 | .00167 | .0444  |
| %RSD   | .08400 | .57842 | .78158 | .22288 | .58472 | .47704 | 1.0790 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23048 | .22589 | 15.130 | .48190 | .23441 | .35211 | 4.1425 |
| #2 | .23065 | .22370 | 15.343 | .48381 | .23176 | .35077 | 4.0673 |
| #3 | .23087 | .22602 | 15.329 | .48200 | .23364 | .34879 | 4.1459 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34932 | 3.8506 | .58226 | .08508 | 335.40 | .36411 | .28769 |
| Stddev | .00020 | .0611  | .00359 | .00061 | 4.51   | .00153 | .00180 |
| %RSD   | .05672 | 1.5863 | .61610 | .71768 | 1.3438 | .42093 | .62465 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34923 | 3.8152 | .58495 | .08576 | 339.48 | .36254 | .28868 |
| #2 | .34954 | 3.8154 | .57819 | .08489 | 330.56 | .36418 | .28562 |
| #3 | .34918 | 3.9211 | .58365 | .08459 | 336.16 | .36560 | .28878 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.686 | .45979 | .37378 | 1.3259 | 2.6600 | .77888 | .24110 |
| Stddev | .092   | .00015 | .00588 | .0067  | .0304  | .00674 | .00339 |
| %RSD   | .72185 | .03354 | 1.5733 | .50753 | 1.1412 | .86575 | 1.4079 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.581 | .45966 | .37838 | 1.3203 | 2.6586 | .78257 | .23925 |
| #2 | 12.748 | .45996 | .37580 | 1.3242 | 2.6303 | .77109 | .24502 |
| #3 | 12.728 | .45975 | .36715 | 1.3334 | 2.6909 | .78297 | .23903 |

Sample Name: K1665-02MSD      Acquired: 3/2/2019 1:33:18      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14620      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .24713 | 7.034  | .29556 | 5.0779 | F<.00000 |
| Stddev    | .00397 | .053   | .00094 | .1020  | 4.6908   |
| %RSD      | 1.6072 | .7489  | .31671 | 2.0091 | 8.1440   |
| #1        | .24335 | 7.060  | .29461 | 5.1726 | -52.277  |
| #2        | .25127 | 6.973  | .29649 | 5.0910 | -61.133  |
| #3        | .24676 | 7.068  | .29557 | 4.9699 | -59.386  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3518.5 | 38707. | 3545.0 | 16.525 | 3560.2   |
| Stddev    | 15.9   | 105.   | 38.0   | 1.500  | 14.6     |
| %RSD      | .45117 | .27033 | 1.0724 | 9.0790 | .41018   |
| #1        | 3513.0 | 38637. | 3515.3 | 18.167 | 3547.0   |
| #2        | 3506.1 | 38658. | 3587.8 | 15.225 | 3575.9   |
| #3        | 3536.4 | 38828. | 3531.7 | 16.183 | 3557.6   |

Sample Name: K1665-02A      Acquired: 3/2/2019 1:37:37      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14620      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .90884 | 2.2357 | 1.0919 | 2.3890 | .92348 | 3.0243 | .32930 |
| Stddev | .00978 | .0092  | .0045  | .0264  | .00995 | .0361  | .00447 |
| %RSD   | 1.0758 | .41373 | .40785 | 1.1053 | 1.0771 | 1.1942 | 1.3575 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .91243 | 2.2451 | 1.0868 | 2.4142 | .93204 | 2.9884 | .32462 |
| #2 | .89778 | 2.2353 | 1.0943 | 2.3615 | .91257 | 3.0606 | .33353 |
| #3 | .91632 | 2.2266 | 1.0946 | 2.3915 | .92583 | 3.0238 | .32974 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .23002 | .22413 | 14.185 | .48281 | .23238 | .35522 | 4.0614 |
| Stddev | .00073 | .00019 | .053   | .00205 | .00086 | .00298 | .0413  |
| %RSD   | .31652 | .08277 | .37210 | .42528 | .36970 | .83796 | 1.0171 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23081 | .22415 | 14.124 | .48071 | .23148 | .35729 | 4.0624 |
| #2 | .22986 | .22430 | 14.212 | .48291 | .23246 | .35180 | 4.0197 |
| #3 | .22938 | .22393 | 14.219 | .48481 | .23319 | .35656 | 4.1023 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .34163 | 3.6308 | .58192 | .08580 | 309.62 | .36640 | .28043 |
| Stddev | .00084 | .0718  | .00261 | .00053 | 2.26   | .00511 | .00021 |
| %RSD   | .24600 | 1.9775 | .44822 | .62233 | .72950 | 1.3937 | .07606 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34253 | 3.6349 | .57892 | .08607 | 311.48 | .37222 | .28044 |
| #2 | .34086 | 3.7006 | .58320 | .08518 | 307.11 | .36267 | .28021 |
| #3 | .34150 | 3.5571 | .58365 | .08614 | 310.28 | .36431 | .28063 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 12.648 | .46381 | .36117 | 1.2343 | 2.5477 | .77269 | .23841 |
| Stddev | .013   | .00398 | .01261 | .0234  | .0438  | .00161 | .00485 |
| %RSD   | .10469 | .85786 | 3.4927 | 1.8923 | 1.7203 | .20847 | 2.0322 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.644 | .46779 | .37414 | 1.2161 | 2.5965 | .77167 | .23485 |
| #2 | 12.636 | .45984 | .34894 | 1.2606 | 2.5116 | .77186 | .24393 |
| #3 | 12.662 | .46380 | .36042 | 1.2261 | 2.5351 | .77455 | .23645 |

Sample Name: K1665-02A      Acquired: 3/2/2019 1:37:37      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: CCB14620      Custom ID2:      Custom ID3:  
 Comment:

|           |        |        |        |        |          |
|-----------|--------|--------|--------|--------|----------|
| Elem      | Li6707 | P_1774 | Sr4077 | U_3670 | U_3859   |
| Units     | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg       | .24612 | 7.006  | .28997 | 4.8687 | F<.00000 |
| Stddev    | .00415 | .007   | .00082 | .2794  | .97517   |
| %RSD      | 1.6877 | .0964  | .28389 | 5.7389 | 1.7592   |
| #1        | .24150 | 7.004  | .28904 | 4.6199 | -56.131  |
| #2        | .24729 | 7.013  | .29059 | 4.8152 | -55.849  |
| #3        | .24956 | 7.000  | .29029 | 5.1710 | -54.318  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3500.6 | 38929. | 3590.3 | 16.053 | 3605.4   |
| Stddev    | 20.9   | 71.    | 33.9   | .800   | 17.9     |
| %RSD      | .59598 | .18193 | .94325 | 4.9850 | .49692   |
| #1        | 3487.9 | 38866. | 3565.4 | 15.242 | 3625.8   |
| #2        | 3524.7 | 38916. | 3628.9 | 16.075 | 3592.5   |
| #3        | 3489.3 | 39006. | 3576.7 | 16.842 | 3597.8   |

Sample Name: K1665-04      Acquired: 3/2/2019 1:41:55      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 200029      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00090 | -.00401 | .00517 | .00676 | -.00349 | .08308 | .24553 | .00038 |
| Stddev | .00534  | .00204  | .00204 | .00033 | .00175  | .01381 | .00388 | .00002 |
| %RSD   | 590.93  | 50.773  | 39.488 | 4.8617 | 50.185  | 16.620 | 1.5785 | 5.2348 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00275 | -.00166 | .00292 | .00648 | -.00170 | .07796 | .24466 | .00040 |
| #2 | -.00508 | -.00518 | .00691 | .00712 | -.00355 | .09872 | .24216 | .00036 |
| #3 | .00512  | -.00519 | .00567 | .00668 | -.00520 | .07256 | .24977 | .00038 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00027 | 10.796 | .00045 | .00933 | .00440 | .01201 | .92928 | 3.8272 |
| Stddev | .00007 | .069   | .00072 | .00013 | .00022 | .00143 | .00069 | .0922  |
| %RSD   | 27.070 | .63503 | 162.14 | 1.4028 | 4.9878 | 11.947 | .07399 | 2.4090 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00031 | 10.777 | -.00036 | .00925 | .00425 | .01282 | .92899 | 3.7357 |
| #2 | .00032 | 10.872 | .00066  | .00925 | .00465 | .01035 | .93007 | 3.9201 |
| #3 | .00019 | 10.739 | .00104  | .00948 | .00431 | .01285 | .92879 | 3.8260 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00118 | .00026 | 347.33 | -.00130 | .05513 | 3.9023 | .00033 | .03092 |
| Stddev | .00038 | .00018 | 8.85   | .00038  | .00010 | .0546  | .00026 | .01092 |
| %RSD   | 32.567 | 67.959 | 2.5492 | 29.135  | .17256 | 1.3986 | 76.709 | 35.312 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00078 | .00035 | 355.16 | -.00125 | .05507 | 3.8397 | .00059 | .04073 |
| #2 | .00120 | .00038 | 337.72 | -.00095 | .05524 | 3.9399 | .00034 | .03287 |
| #3 | .00155 | .00006 | 349.09 | -.00170 | .05507 | 3.9273 | .00008 | .01916 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .31258 | .67106 | .00211 | .00038 | .00157 | .0112  | .14317 | 5.0058 |
| Stddev | .00909 | .01852 | .00074 | .00263 | .00105 | .0010  | .00048 | .0920  |
| %RSD   | 2.9091 | 2.7601 | 34.955 | 683.93 | 66.983 | 8.741  | .33789 | 1.8375 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .31444 | .68764 | .00198 | -.00204 | .00198 | .0124 | .14369 | 4.9283 |
| #2 | .30270 | .65107 | .00145 | .00318  | .00037 | .0107 | .14273 | 5.1074 |
| #3 | .32059 | .67447 | .00291 | .00001  | .00235 | .0106 | .14309 | 4.9815 |



Sample Name: K1665-04      Acquired: 3/2/2019 1:41:55      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 200029      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      40.564  
 Stddev      .470  
 %RSD      1.1598

#1      40.633  
 #2      40.063  
 #3      40.996

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3476.8 | 38307. | 3595.1 | 16.272 | 3583.5 |
| Stddev    | 23.9   | 155.   | 82.7   | 2.902  | 13.3   |
| %RSD      | .68661 | .40473 | 2.2994 | 17.833 | .37063 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3481.0 | 38284. | 3526.8 | 13.925 | 3575.2 |
| #2 | 3451.1 | 38164. | 3687.0 | 19.517 | 3576.5 |
| #3 | 3498.3 | 38472. | 3571.6 | 15.375 | 3598.8 |

Sample Name: K1665-06      Acquired: 3/2/2019 1:46:32      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: 200053      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00373 | -.00389 | .00580 | .00494 | -.00085 | .11427 | .16265 | .00046 |
| Stddev | .00233  | .00126  | .00043 | .00407 | .00218  | .02404 | .01199 | .00010 |
| %RSD   | 62.553  | 32.399  | 7.4959 | 82.434 | 257.65  | 21.038 | 7.3707 | 20.577 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00268 | -.00342 | .00553 | .00142 | -.00299 | .14194 | .14881 | .00055 |
| #2 | -.00211 | -.00531 | .00630 | .00400 | .00136  | .09856 | .16957 | .00049 |
| #3 | -.00641 | -.00292 | .00556 | .00940 | -.00090 | .10230 | .16957 | .00036 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00029 | 8.7691 | .00072 | .00385 | .00485 | .03130 | .37935 | 3.3712 |
| Stddev | .00011 | .0857  | .00015 | .00034 | .00033 | .00088 | .00146 | .0644  |
| %RSD   | 37.189 | .97768 | 21.335 | 8.8983 | 6.8100 | 2.8245 | .38360 | 1.9119 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00034 | 8.6808 | .00061 | .00345 | .00500 | .03028 | .37874 | 3.3031 |
| #2 | .00017 | 8.7744 | .00090 | .00404 | .00447 | .03183 | .38101 | 3.4312 |
| #3 | .00037 | 8.8520 | .00066 | .00404 | .00508 | .03179 | .37830 | 3.3794 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00312 | -.00091 | 306.16 | -.00068 | .07069 | 2.4552 | .00033 | .02697 |
| Stddev | .00047 | .00033  | 4.03   | .00028  | .00044 | .0131  | .00009 | .00985 |
| %RSD   | 15.112 | 35.975  | 1.3149 | 41.485  | .62018 | .53322 | 26.870 | 36.538 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00336 | -.00115 | 302.56 | -.00070 | .07064 | 2.4404 | .00032 | .01575 |
| #2 | .00342 | -.00054 | 310.51 | -.00039 | .07027 | 2.4651 | .00043 | .03420 |
| #3 | .00258 | -.00105 | 305.43 | -.00095 | .07115 | 2.4602 | .00025 | .03095 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .29792 | .74504 | .00210 | .00316 | -.00324 | .0083  | .11703 | 4.8049 |
| Stddev | .01309 | .00852 | .00137 | .00166 | .00193  | .0017  | .00052 | .2378  |
| %RSD   | 4.3954 | 1.1430 | 65.151 | 52.307 | 59.656  | 20.79  | .44582 | 4.9489 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .31295 | .75480 | .00197 | .00452 | -.00542 | .0103 | .11644 | 4.5592 |
| #2 | .28892 | .73912 | .00352 | .00132 | -.00256 | .0077 | .11723 | 5.0338 |
| #3 | .29190 | .74121 | .00080 | .00365 | -.00174 | .0070 | .11743 | 4.8218 |

Sample Name: K1665-06      Acquired: 3/2/2019 1:46:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 200053      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      27.622  
 Stddev      5.756  
 %RSD      20.839

#1      22.208  
 #2      33.668  
 #3      26.991

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3504.1 | 38403. | 3562.6 | 14.558 | 3612.5 |
| Stddev    | 4.1    | 118.   | 13.0   | 1.032  | 17.1   |
| %RSD      | .11645 | .30618 | .36530 | 7.0889 | .47390 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3508.8 | 38273. | 3577.5 | 13.417 | 3632.2 |
| #2 | 3501.3 | 38433. | 3557.3 | 14.833 | 3604.2 |
| #3 | 3502.2 | 38502. | 3553.1 | 15.425 | 3601.1 |

Sample Name: K1665-08      Acquired: 3/2/2019 1:51:08      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 200031      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00094 | -.00133 | .00418 | .00334 | -.00056 | .07981 | .17136 | .00028 |
| Stddev | .00086  | .00048  | .00137 | .00049 | .00125  | .01668 | .00160 | .00007 |
| %RSD   | 91.244  | 36.295  | 32.730 | 14.760 | 223.42  | 20.895 | .93539 | 24.787 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00000  | -.00107 | .00303 | .00385 | -.00172 | .08992 | .17165 | .00022 |
| #2 | -.00168 | -.00103 | .00570 | .00288 | -.00072 | .08895 | .17280 | .00036 |
| #3 | -.00115 | -.00189 | .00382 | .00328 | .00076  | .06056 | .16964 | .00027 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00046 | 8.8035 | .00101 | .00124 | .00472 | .01142 | .41235 | 1.8305 |
| Stddev | .00012 | .0472  | .00012 | .00014 | .00010 | .00044 | .00049 | .0198  |
| %RSD   | 26.284 | .53601 | 12.269 | 11.044 | 2.1342 | 3.8127 | .11860 | 1.0808 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00042 | 8.7503 | .00115 | .00129 | .00461 | .01092 | .41182 | 1.8336 |
| #2 | .00036 | 8.8196 | .00098 | .00134 | .00476 | .01167 | .41243 | 1.8485 |
| #3 | .00060 | 8.8404 | .00090 | .00108 | .00480 | .01167 | .41279 | 1.8093 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00122 | -.00085 | 311.87 | -.00129 | .25767 | 1.3355 | .00009 | .01023 |
| Stddev | .00033 | .00043  | 4.94   | .00017  | .00180 | .0390  | .00005 | .00634 |
| %RSD   | 27.024 | 50.228  | 1.5841 | 13.104  | .69920 | 2.9183 | 57.731 | 62.023 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00087 | -.00128 | 313.79 | -.00111 | .25763 | 1.3362 | .00012 | .01598 |
| #2 | .00128 | -.00042 | 315.56 | -.00130 | .25949 | 1.3742 | .00011 | .00342 |
| #3 | .00152 | -.00085 | 306.26 | -.00145 | .25589 | 1.2962 | .00003 | .01128 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .30483 | .62828 | .00198 | .00421 | -.00199 | .0059  | .09670 | 4.4521 |
| Stddev | .01332 | .01289 | .00085 | .00184 | .00212  | .0026  | .00062 | .2552  |
| %RSD   | 4.3688 | 2.0522 | 42.805 | 43.784 | 106.52  | 44.49  | .64575 | 5.7327 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .29321 | .63839 | .00293 | .00303 | -.00285 | .0042 | .09611 | 4.1590 |
| #2 | .30193 | .63270 | .00129 | .00633 | -.00354 | .0046 | .09735 | 4.6254 |
| #3 | .31936 | .61376 | .00172 | .00327 | .00042  | .0089 | .09665 | 4.5718 |

Sample Name: K1665-08      Acquired: 3/2/2019 1:51:08      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: 200031      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      36.934  
 Stddev      6.948  
 %RSD      18.811

#1      44.751  
 #2      31.464  
 #3      34.586

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3540.5 | 39096. | 3613.8 | 16.239 | 3636.2 |
| Stddev    | 27.2   | 31.    | 57.3   | .877   | 6.4    |
| %RSD      | .76865 | .07812 | 1.5851 | 5.3984 | .17523 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3520.8 | 39131. | 3581.5 | 17.250 | 3636.3 |
| #2 | 3571.5 | 39076. | 3580.0 | 15.775 | 3629.8 |
| #3 | 3529.1 | 39081. | 3680.0 | 15.692 | 3642.6 |

Sample Name: K1675-04      Acquired: 3/2/2019 1:55:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-11-A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00006 | -.00170 | .02593 | .00460 | -.00289 | .28715 | .11467 | .00004 |
| Stddev | .00180 | .00070  | .00073 | .00450 | .00152  | .01034 | .00417 | .00001 |
| %RSD   | 2785.2 | 41.041  | 2.8153 | 97.832 | 52.448  | 3.6003 | 3.6325 | 23.616 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00209  | -.00182 | .02510 | .00944 | -.00302 | .29869 | .11593 | .00004 |
| #2 | -.00138 | -.00095 | .02618 | .00052 | -.00435 | .28403 | .11002 | .00005 |
| #3 | -.00052 | -.00233 | .02650 | .00385 | -.00132 | .27873 | .11806 | .00003 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 4.6945 | .00140 | -.00032 | .00406 | .19604 | .02373 | .47565 |
| Stddev | .00004 | .0263  | .00038 | .00023  | .00059 | .00068 | .00004 | .04712 |
| %RSD   | 519.17 | .56076 | 26.958 | 69.974  | 14.545 | .34686 | .17603 | 9.9059 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00003  | 4.6745 | .00175 | -.00029 | .00474 | .19558 | .02369 | .49936 |
| #2 | -.00003 | 4.7243 | .00145 | -.00012 | .00367 | .19571 | .02377 | .50620 |
| #3 | .00002  | 4.6846 | .00100 | -.00057 | .00377 | .19682 | .02374 | .42139 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00139 | -.00107 | 319.60 | .00056 | .03461 | .57389 | .00009 | .00897 |
| Stddev | .00043 | .00068  | 2.54   | .00065 | .00016 | .01590 | .00017 | .01496 |
| %RSD   | 30.693 | 63.791  | .79593 | 117.35 | .44803 | 2.7704 | 184.55 | 166.80 |

|    |        |         |        |         |        |        |         |         |
|----|--------|---------|--------|---------|--------|--------|---------|---------|
| #1 | .00090 | -.00111 | 316.73 | -.00015 | .03445 | .56234 | .00018  | -.00669 |
| #2 | .00169 | -.00037 | 320.49 | .00069  | .03476 | .56731 | -.00010 | .01048  |
| #3 | .00159 | -.00173 | 321.58 | .00113  | .03463 | .59203 | .00019  | .02311  |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .20743 | .45089 | .00178 | .00950 | -.00263 | .0376  | .02217 | 4.5556 |
| Stddev | .00962 | .00675 | .00041 | .00214 | .00331  | .0011  | .00041 | .1286  |
| %RSD   | 4.6369 | 1.4977 | 22.957 | 22.500 | 125.99  | 3.058  | 1.8335 | 2.8235 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .20769 | .44412 | .00213 | .00747 | -.00615 | .0363 | .02251 | 4.6662 |
| #2 | .19768 | .45092 | .00133 | .01173 | -.00215 | .0379 | .02228 | 4.4145 |
| #3 | .21691 | .45762 | .00187 | .00929 | .00042  | .0386 | .02172 | 4.5862 |

Sample Name: K1675-04      Acquired: 3/2/2019 1:55:44      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-11-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 28.524 |
| Stddev | 3.568  |
| %RSD   | 12.507 |

|    |        |
|----|--------|
| #1 | 28.729 |
| #2 | 24.858 |
| #3 | 31.985 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3510.3 | 38941. | 3620.7 | 15.467 | 3629.1 |
| Stddev    | 24.1   | 135.   | 11.9   | .585   | 18.4   |
| %RSD      | .68576 | .34752 | .32773 | 3.7796 | .50755 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3535.7 | 38855. | 3631.9 | 15.800 | 3649.5 |
| #2 | 3487.8 | 39097. | 3608.2 | 14.792 | 3613.6 |
| #3 | 3507.3 | 38871. | 3622.0 | 15.808 | 3624.2 |

Sample Name: CCV16      Acquired: 3/2/2019 2:00:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14619      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.8597 | 4.9804 | 4.8030 | 5.0460 | 4.8870 | 9.8986 | 10.197 | .24454   |
| Stddev | .0236  | .0089  | .0089  | .0143  | .0093  | .0164  | .122   | .00041   |
| %RSD   | .48630 | .17794 | .18507 | .28362 | .19027 | .16553 | 1.1995 | .16837   |
| #1     | 4.8433 | 4.9704 | 4.7930 | 5.0319 | 4.8780 | 9.9012 | 10.063 | .24501   |
| #2     | 4.8867 | 4.9873 | 4.8100 | 5.0455 | 4.8965 | 9.8811 | 10.302 | .24434   |
| #3     | 4.8489 | 4.9835 | 4.8060 | 5.0605 | 4.8865 | 9.9135 | 10.226 | .24427   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.4096 | 25.366 | 1.0057 | 2.4274 | 1.2551 | 5.3193 | 2.4450 | 26.272   |
| Stddev | .0038  | .103   | .0009  | .0087  | .0049  | .0649  | .0012  | .295     |
| %RSD   | .15944 | .40519 | .08663 | .35664 | .38876 | 1.2203 | .04885 | 1.1231   |
| #1     | 2.4056 | 25.248 | 1.0066 | 2.4179 | 1.2500 | 5.2451 | 2.4463 | 25.979   |
| #2     | 2.4099 | 25.424 | 1.0049 | 2.4296 | 1.2596 | 5.3654 | 2.4439 | 26.269   |
| #3     | 2.4133 | 25.427 | 1.0056 | 2.4348 | 1.2558 | 5.3474 | 2.4448 | 26.569   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.6660 | 1.2680 | 26.101 | 2.6353 | 2.3602 | 27.333 | 4.8697 | 4.9609   |
| Stddev | .0041  | .0022  | .394   | .0050  | .0026  | .367   | .0104  | .0113    |
| %RSD   | .15291 | .17526 | 1.5084 | .18970 | .10921 | 1.3423 | .21403 | .22742   |
| #1     | 2.6617 | 1.2658 | 25.647 | 2.6405 | 2.3581 | 26.910 | 4.8607 | 4.9481   |
| #2     | 2.6664 | 1.2680 | 26.345 | 2.6350 | 2.3631 | 27.560 | 4.8811 | 4.9657   |
| #3     | 2.6698 | 1.2703 | 26.311 | 2.6305 | 2.3594 | 27.530 | 4.8672 | 4.9691   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 5.0396 | 5.0364 | 4.8542 | 4.8750 | 4.8705 | 4.996  | 4.9134 | F 4.0321 |
| Stddev | .0061  | .0526  | .0170  | .0066  | .0729  | .012   | .0657  | .1131    |
| %RSD   | .12047 | 1.0449 | .34939 | .13492 | 1.4972 | .2417  | 1.3373 | 2.8038   |
| #1     | 5.0466 | 4.9781 | 4.8359 | 4.8702 | 4.7872 | 5.010  | 4.8403 | 3.9377   |
| #2     | 5.0366 | 5.0804 | 4.8573 | 4.8825 | 4.9225 | 4.992  | 4.9676 | 4.1574   |
| #3     | 5.0357 | 5.0506 | 4.8694 | 4.8723 | 4.9019 | 4.987  | 4.9323 | 4.0013   |



Sample Name: CCV16      Acquired: 3/2/2019 2:00:23      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCV14619      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 9.3290  
Stddev      3.1432  
%RSD      33.693

#1      12.823  
#2      8.4319  
#3      6.7319

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3678.8 | 40935. | 3644.7 | 15.480 | 3768.3 |
| Stddev    | 11.9   | 92.    | 43.8   | .671   | 9.1    |
| %RSD      | .32433 | .22382 | 1.2020 | 4.3367 | .24181 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3691.7 | 41006. | 3693.0 | 15.459 | 3778.8 |
| #2 | 3668.1 | 40832. | 3607.5 | 14.819 | 3762.4 |
| #3 | 3676.6 | 40967. | 3633.5 | 16.161 | 3763.7 |

Sample Name: CCB16      Acquired: 3/2/2019 2:04:24      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14619      Custom ID2:      Custom ID3:  
Comment:

|        |          |         |         |         |         |         |         |          |
|--------|----------|---------|---------|---------|---------|---------|---------|----------|
| Elem   | As1890   | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00308  | .00009  | -.00050 | .00075  | -.00205 | .00574  | -.00948 | .00006   |
| Stddev | .00178   | .00099  | .00048  | .00218  | .00172  | .00599  | .00532  | .00003   |
| %RSD   | 57.915   | 1068.9  | 94.962  | 292.13  | 83.798  | 104.40  | 56.132  | 45.944   |
| #1     | -.00139  | -.00058 | -.00059 | .00120  | -.00123 | .01080  | -.01091 | .00005   |
| #2     | -.00494  | -.00037 | -.00092 | -.00162 | -.00403 | .00729  | -.00359 | .00004   |
| #3     | -.00291  | .00123  | .00001  | .00267  | -.00090 | -.00087 | -.01394 | .00009   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00002   | -.02353 | .00018  | .00023  | -.00004 | -.00259 | -.00002 | .06493   |
| Stddev | .00003   | .02831  | .00026  | .00035  | .00073  | .00138  | .00004  | .06644   |
| %RSD   | 156.89   | 120.30  | 147.39  | 147.80  | 1848.8  | 53.118  | 188.80  | 102.34   |
| #1     | .00006   | -.04991 | .00014  | -.00014 | .00066  | -.00351 | .00002  | .01595   |
| #2     | -.00001  | -.02707 | -.00006 | .00031  | .00001  | -.00101 | -.00003 | .14056   |
| #3     | .00001   | .00638  | .00045  | .00054  | -.00079 | -.00326 | -.00006 | .03827   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00047  | -.00080 | .07823  | -.00035 | -.00028 | .09103  | .00032  | .01019   |
| Stddev | .00025   | .00027  | .01543  | .00023  | .00003  | .03532  | .00006  | .00714   |
| %RSD   | 53.202   | 34.309  | 19.720  | 65.066  | 11.673  | 38.805  | 17.374  | 70.096   |
| #1     | -.00019  | -.00053 | .06234  | -.00026 | -.00024 | .10441  | .00038  | .00726   |
| #2     | -.00066  | -.00079 | .07919  | -.00019 | -.00028 | .11771  | .00033  | .01834   |
| #3     | -.00056  | -.00108 | .09315  | -.00061 | -.00031 | .05097  | .00026  | .00498   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .02978 | -.00111 | -.00058 | .00074  | -.00539 | .0028   | .00001  | F 3.2690 |
| Stddev | .01091   | .00260  | .00063  | .00147  | .00118  | .0011   | .00007  | .0840    |
| %RSD   | 36.632   | 234.18  | 109.04  | 197.71  | 21.830  | 39.68   | 555.98  | 2.5705   |
| #1     | .02679   | -.00144 | .00007  | .00244  | -.00661 | .0030   | -.00003 | 3.3112   |
| #2     | .02069   | -.00352 | -.00120 | -.00017 | -.00530 | .0016   | .00009  | 3.3236   |
| #3     | .04188   | .00164  | -.00061 | -.00004 | -.00426 | .0037   | -.00003 | 3.1723   |

Sample Name: CCB16      Acquired: 3/2/2019 2:04:24      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: CCB14619      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 8.7106  
Stddev      3.7044  
%RSD      42.527

#1      12.915  
#2      5.9263  
#3      7.2908

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3711.7 | 41775. | 3638.4 | 15.781 | 4126.9 |
| Stddev    | 7.5    | 163.   | 33.3   | 1.186  | 7.1    |
| %RSD      | .20298 | .39002 | .91586 | 7.5175 | .17264 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3711.7 | 41594. | 3655.4 | 14.825 | 4118.7 |
| #2 | 3719.2 | 41822. | 3659.8 | 15.408 | 4130.2 |
| #3 | 3704.2 | 41909. | 3600.0 | 17.108 | 4131.7 |

Sample Name: K1675-08      Acquired: 3/2/2019 2:08:55      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-11-B      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00085 | -.00309 | .00821 | .00715 | -.00236 | .07304 | .08345 | .00010 |
| Stddev | .00043  | .00083  | .00101 | .00341 | .00194  | .00852 | .00532 | .00009 |
| %RSD   | 51.095  | 26.920  | 12.252 | 47.654 | 82.427  | 11.669 | 6.3783 | 93.879 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00085 | -.00244 | .00910 | .00383 | -.00336 | .06321 | .08507 | .00005 |
| #2 | -.00042 | -.00403 | .00712 | .01064 | -.00012 | .07757 | .07750 | .00020 |
| #3 | -.00128 | -.00281 | .00841 | .00698 | -.00359 | .07835 | .08777 | .00004 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 4.1680 | .00116 | -.00009 | .00386 | .00827 | .01425 | .52349 |
| Stddev | .00004  | .0025  | .00033 | .00020  | .00025 | .00297 | .00012 | .05724 |
| %RSD   | 70.738  | .06053 | 28.374 | 226.68  | 6.4307 | 35.927 | .81847 | 10.934 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00002 | 4.1652 | .00079 | -.00005 | .00414 | .01170 | .01437 | .54574 |
| #2 | -.00005 | 4.1687 | .00141 | .00009  | .00366 | .00659 | .01414 | .45847 |
| #3 | -.00010 | 4.1701 | .00129 | -.00030 | .00378 | .00651 | .01425 | .56627 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00114 | -.00047 | 303.40 | -.00045 | .02424 | .51206 | .00027 | .02003 |
| Stddev | .00009 | .00038  | 2.15   | .00045  | .00009 | .03518 | .00027 | .00521 |
| %RSD   | 7.8486 | 80.193  | .70982 | 99.323  | .37341 | 6.8701 | 97.116 | 26.034 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00109 | -.00044 | 301.00 | .00000  | .02421 | .54124 | .00041  | .02248 |
| #2 | .00125 | -.00087 | 305.16 | -.00090 | .02434 | .47300 | .00044  | .02356 |
| #3 | .00110 | -.00011 | 304.05 | -.00046 | .02417 | .52194 | -.00003 | .01404 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .21838 | .18851 | .00128 | .00166 | -.00681 | .0135  | .02151 | 4.4439 |
| Stddev | .00573 | .00236 | .00072 | .00212 | .00358  | .0019  | .00006 | .2096  |
| %RSD   | 2.6242 | 1.2514 | 55.820 | 127.83 | 52.549  | 14.04  | .28943 | 4.7162 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .22240 | .19053 | .00083 | -.00024 | -.00281 | .0128 | .02156 | 4.2649 |
| #2 | .21182 | .18592 | .00211 | .00395  | -.00971 | .0157 | .02144 | 4.6744 |
| #3 | .22091 | .18907 | .00091 | .00127  | -.00790 | .0121 | .02152 | 4.3922 |

Sample Name: K1675-08      Acquired: 3/2/2019 2:08:55      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-11-B      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      32.610  
 Stddev      4.945  
 %RSD      15.164

#1      33.070  
 #2      37.309  
 #3      27.451

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3501.4 | 38759. | 3579.5 | 16.278 | 3619.7 |
| Stddev    | 27.4   | 109.   | 10.9   | .273   | 16.7   |
| %RSD      | .78309 | .28240 | .30553 | 1.6749 | .46270 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3472.0 | 38641. | 3592.0 | 16.392 | 3602.3 |
| #2 | 3526.3 | 38857. | 3574.3 | 15.967 | 3621.0 |
| #3 | 3506.0 | 38779. | 3572.0 | 16.475 | 3635.7 |

Sample Name: K1675-10      Acquired: 3/2/2019 2:13:34      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-1-A      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00131 | -.00360 | .02801 | .00431 | -.00386 | .15385 | .09825 | .00005 |
| Stddev | .00363  | .00187  | .00049 | .00236 | .00125  | .01319 | .00293 | .00004 |
| %RSD   | 277.26  | 52.039  | 1.7594 | 54.774 | 32.425  | 8.5725 | 2.9861 | 77.215 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00274  | -.00576 | .02777 | .00394 | -.00367 | .13939 | .09729 | .00002 |
| #2 | -.00427 | -.00262 | .02858 | .00684 | -.00271 | .16522 | .10155 | .00010 |
| #3 | -.00240 | -.00242 | .02768 | .00216 | -.00519 | .15693 | .09592 | .00003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 56.882 | .00130 | .00020 | .00413 | .08757 | .12599 | 1.7028 |
| Stddev | .00016 | .396   | .00052 | .00004 | .00046 | .00220 | .00061 | .0741  |
| %RSD   | 341.32 | .69640 | 40.017 | 20.070 | 11.229 | 2.5149 | .48708 | 4.3513 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00010 | 56.425 | .00103 | .00023 | .00435 | .08550 | .12537 | 1.7133 |
| #2 | .00021  | 57.116 | .00190 | .00015 | .00444 | .08988 | .12659 | 1.6240 |
| #3 | .00003  | 57.106 | .00097 | .00021 | .00360 | .08732 | .12602 | 1.7711 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00175 | -.00110 | 304.82 | .00044 | .06158 | .84263 | .00018 | .03079 |
| Stddev | .00020 | .00099  | 4.00   | .00036 | .00015 | .03777 | .00013 | .00441 |
| %RSD   | 11.333 | 90.304  | 1.3120 | 82.303 | .25036 | 4.4819 | 71.382 | 14.331 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00159 | -.00195 | 300.20 | .00024 | .06166 | .79945 | .00006 | .03189 |
| #2 | .00168 | -.00001 | 307.23 | .00022 | .06166 | .86952 | .00016 | .03454 |
| #3 | .00197 | -.00133 | 307.03 | .00085 | .06140 | .85891 | .00032 | .02593 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2250 | .71271 | .00204 | .00382 | .00123 | .0743  | .13651 | 4.8073 |
| Stddev | .0244  | .01581 | .00047 | .00294 | .00155 | .0008  | .00058 | .1036  |
| %RSD   | 1.9913 | 2.2186 | 23.221 | 77.036 | 125.68 | 1.128  | .42671 | 2.1555 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.2327 | .69686 | .00234 | .00609 | -.00008 | .0745 | .13585 | 4.9266 |
| #2 | 1.1977 | .72848 | .00230 | .00050 | .00294  | .0733 | .13671 | 4.7405 |
| #3 | 1.2447 | .71278 | .00150 | .00488 | .00084  | .0749 | .13696 | 4.7546 |

Sample Name: K1675-10      Acquired: 3/2/2019 2:13:34      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-1-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 49.545 |
| Stddev | 1.735  |
| %RSD   | 3.5027 |

|    |        |
|----|--------|
| #1 | 51.543 |
| #2 | 48.685 |
| #3 | 48.408 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3462.3 | 38498. | 3561.2 | 15.633 | 3563.2 |
| Stddev    | 7.0    | 23.    | 9.6    | .743   | 4.0    |
| %RSD      | .20261 | .05998 | .27043 | 4.7519 | .11305 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3455.3 | 38471. | 3570.3 | 16.158 | 3558.7 |
| #2 | 3469.4 | 38513. | 3551.1 | 14.783 | 3566.5 |
| #3 | 3462.3 | 38510. | 3562.1 | 15.958 | 3564.5 |

Sample Name: K1675-12      Acquired: 3/2/2019 2:18:11      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-1-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00276 | -.00459 | .09056 | .00374 | -.00461 | .09341 | .11851 | .00013 |
| Stddev | .00184 | .00095  | .00053 | .00215 | .00177  | .00303 | .00510 | .00003 |
| %RSD   | 66.717 | 20.756  | .58890 | 57.383 | 38.310  | 3.2446 | 4.3007 | 24.334 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00290 | -.00422 | .09033 | .00586 | -.00259 | .09686 | .12127 | .00012 |
| #2 | .00085 | -.00567 | .09018 | .00157 | -.00584 | .09119 | .12164 | .00016 |
| #3 | .00453 | -.00388 | .09117 | .00379 | -.00541 | .09217 | .11263 | .00010 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 43.408 | .00121 | .00062 | .00450 | .00796 | .14415 | 1.4598 |
| Stddev | .00008 | .293   | .00014 | .00020 | .00031 | .00032 | .00106 | .0477  |
| %RSD   | 1001.8 | .67472 | 11.795 | 32.123 | 6.9382 | 4.0152 | .73858 | 3.2698 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00004 | 43.078 | .00106 | .00074 | .00417 | .00765 | .14309 | 1.5074 |
| #2 | .00010  | 43.506 | .00135 | .00039 | .00455 | .00796 | .14414 | 1.4600 |
| #3 | -.00004 | 43.638 | .00122 | .00073 | .00479 | .00829 | .14522 | 1.4119 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00192 | -.00103 | 305.56 | -.00003 | .08597 | .84223 | .00042 | .02733 |
| Stddev | .00047 | .00068  | 4.59   | .00056  | .00016 | .06687 | .00023 | .01498 |
| %RSD   | 24.476 | 66.301  | 1.5009 | 1737.5  | .18368 | 7.9391 | 54.105 | 54.804 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00220 | -.00179 | 307.84 | .00059  | .08615 | .79680 | .00056 | .03937 |
| #2 | .00137 | -.00083 | 300.28 | -.00018 | .08591 | .81087 | .00016 | .01056 |
| #3 | .00217 | -.00046 | 308.56 | -.00051 | .08584 | .91901 | .00053 | .03205 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .75692 | .50595 | .00120 | -.00074 | .00129 | .0301  | .13595 | 4.8980 |
| Stddev | .03159 | .00103 | .00143 | .00318  | .00270 | .0025  | .00086 | .0533  |
| %RSD   | 4.1741 | .20396 | 118.49 | 427.44  | 209.88 | 8.348  | .63288 | 1.0887 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .78528 | .50479 | .00047 | .00263  | .00422  | .0272 | .13591 | 4.9386 |
| #2 | .76261 | .50631 | .00285 | -.00368 | -.00110 | .0316 | .13511 | 4.8376 |
| #3 | .72286 | .50676 | .00029 | -.00118 | .00074  | .0314 | .13683 | 4.9178 |



Sample Name: K1675-12      Acquired: 3/2/2019 2:18:11      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-1-B      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      55.414  
 Stddev      3.637  
 %RSD      6.5632

#1      51.541  
 #2      55.947  
 #3      58.756

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3456.4 | 38243. | 3562.4 | 16.219 | 3564.2 |
| Stddev    | 18.5   | 101.   | 29.0   | 1.812  | 10.4   |
| %RSD      | .53431 | .26304 | .81427 | 11.173 | .29101 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3456.5 | 38285. | 3537.3 | 15.067 | 3565.1 |
| #2 | 3474.8 | 38317. | 3594.1 | 18.308 | 3574.0 |
| #3 | 3437.9 | 38129. | 3555.7 | 15.283 | 3553.3 |

Sample Name: K1675-14      Acquired: 3/2/2019 2:22:46      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-2-A      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 | -.00522 | .09179 | .00597 | -.00055 | .12627 | .11490 | .00005 |
| Stddev | .00072  | .00120  | .00094 | .00325 | .00130  | .02062 | .00269 | .00004 |
| %RSD   | 32.563  | 23.077  | 1.0269 | 54.435 | 236.48  | 16.332 | 2.3437 | 77.040 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00140 | -.00554 | .09191 | .00293 | .00071  | .13520 | .11582 | .00007 |
| #2 | -.00274 | -.00623 | .09266 | .00940 | -.00047 | .14091 | .11701 | .00001 |
| #3 | -.00253 | -.00388 | .09079 | .00557 | -.00188 | .10268 | .11186 | .00007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00016 | 49.332 | .00122 | .00038 | .00441 | .03192 | .11529 | 1.8248 |
| Stddev | .00007 | .016   | .00065 | .00009 | .00046 | .00039 | .00160 | .0719  |
| %RSD   | 45.442 | .03204 | 53.386 | 24.025 | 10.413 | 1.2298 | 1.3877 | 3.9414 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00018 | 49.314 | .00097 | .00032 | .00477 | .03231 | .11713 | 1.8650 |
| #2 | .00023 | 49.344 | .00073 | .00048 | .00389 | .03152 | .11453 | 1.7418 |
| #3 | .00008 | 49.339 | .00196 | .00033 | .00457 | .03194 | .11421 | 1.8677 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00195 | -.00102 | 358.38 | .00031 | .07553 | .97761 | .00059 | .01629 |
| Stddev | .00040 | .00047  | 5.75   | .00037 | .00043 | .02099 | .00008 | .00544 |
| %RSD   | 20.356 | 45.968  | 1.6031 | 120.45 | .56879 | 2.1467 | 13.607 | 33.384 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00240 | -.00059 | 363.67 | .00017 | .07511 | .95597 | .00064 | .01011 |
| #2 | .00181 | -.00095 | 359.20 | .00003 | .07597 | .97899 | .00065 | .02033 |
| #3 | .00165 | -.00153 | 352.27 | .00073 | .07550 | .99787 | .00050 | .01844 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.2676 | .55625 | .00167 | .00157 | .00219 | .0746  | .13395 | 4.7651 |
| Stddev | .0123  | .00318 | .00064 | .00161 | .00273 | .0013  | .00032 | .0935  |
| %RSD   | .96686 | .57131 | 38.534 | 102.53 | 124.98 | 1.760  | .23873 | 1.9620 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.2781 | .55746 | .00112 | .00325 | -.00065 | .0732 | .13426 | 4.6572 |
| #2 | 1.2541 | .55264 | .00238 | .00005 | .00241  | .0758 | .13399 | 4.8145 |
| #3 | 1.2707 | .55864 | .00151 | .00140 | .00480  | .0747 | .13362 | 4.8235 |

Sample Name: K1675-14      Acquired: 3/2/2019 2:22:46      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-2-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 61.227 |
| Stddev | 4.510  |
| %RSD   | 7.3663 |

|    |        |
|----|--------|
| #1 | 58.685 |
| #2 | 66.434 |
| #3 | 58.561 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3473.2 | 38297. | 3505.0 | 16.408 | 3547.4 |
| Stddev    | 1.4    | 220.   | 15.8   | .564   | 15.9   |
| %RSD      | .03988 | .57559 | .45189 | 3.4367 | .44897 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3474.3 | 38053. | 3489.5 | 16.767 | 3553.9 |
| #2 | 3473.7 | 38356. | 3521.2 | 16.700 | 3529.2 |
| #3 | 3471.7 | 38481. | 3504.4 | 15.758 | 3559.0 |

Sample Name: K1675-16      Acquired: 3/2/2019 2:27:22      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-2-B      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 | -.00312 | .06107 | .00653 | -.00284 | .07542 | .09275 | .00006 |
| Stddev | .00088  | .00153  | .00083 | .00237 | .00107  | .01905 | .00457 | .00004 |
| %RSD   | 47.429  | 49.013  | 1.3522 | 36.250 | 37.617  | 25.258 | 4.9295 | 74.095 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00288 | -.00342 | .06202 | .00422 | -.00263 | .07407 | .09783 | .00011 |
| #2 | -.00144 | -.00447 | .06051 | .00643 | -.00190 | .05708 | .08895 | .00003 |
| #3 | -.00128 | -.00146 | .06067 | .00895 | -.00400 | .09511 | .09148 | .00003 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00002 | 43.362 | .00231 | -.00011 | .00506 | .01359 | .10142 | 1.4461 |
| Stddev | .00008 | .106   | .00023 | .00021  | .00043 | .00185 | .00094 | .0947  |
| %RSD   | 365.19 | .24342 | 10.023 | 181.67  | 8.4800 | 13.624 | .92360 | 6.5493 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00006 | 43.482 | .00254 | -.00018 | .00470 | .01294 | .10127 | 1.3642 |
| #2 | .00011  | 43.285 | .00233 | .00012  | .00495 | .01215 | .10242 | 1.4243 |
| #3 | .00002  | 43.319 | .00207 | -.00028 | .00553 | .01568 | .10057 | 1.5499 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00222 | -.00047 | 313.73 | -.00036 | .06388 | .80453 | .00046 | .01718 |
| Stddev | .00061 | .00012  | 2.76   | .00043  | .00050 | .02083 | .00008 | .01004 |
| %RSD   | 27.276 | 26.076  | .87949 | 119.68  | .78288 | 2.5889 | 16.468 | 58.421 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00167 | -.00034 | 315.53 | -.00013 | .06438 | .82505 | .00048 | .01863 |
| #2 | .00213 | -.00048 | 310.56 | -.00009 | .06338 | .78341 | .00053 | .02642 |
| #3 | .00287 | -.00058 | 315.11 | -.00085 | .06389 | .80513 | .00038 | .00650 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.1511 | .43937 | .00182 | .00187 | .00122 | .0586  | .11181 | 4.5964 |
| Stddev | .0146  | .00261 | .00074 | .00225 | .00495 | .0008  | .00029 | .1255  |
| %RSD   | 1.2640 | .59294 | 40.812 | 119.99 | 405.51 | 1.320  | .25618 | 2.7295 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | 1.1349 | .44236 | .00104 | .00412  | -.00054 | .0595 | .11148 | 4.5703 |
| #2 | 1.1555 | .43757 | .00251 | -.00037 | .00681  | .0580 | .11199 | 4.4861 |
| #3 | 1.1630 | .43818 | .00191 | .00187  | -.00261 | .0583 | .11196 | 4.7329 |

Sample Name: K1675-16      Acquired: 3/2/2019 2:27:22      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-2-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 54.498 |
| Stddev | 9.625  |
| %RSD   | 17.661 |

|    |        |
|----|--------|
| #1 | 46.819 |
| #2 | 65.295 |
| #3 | 51.379 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3507.2 | 38715. | 3593.9 | 17.247 | 3605.1 |
| Stddev    | 3.8    | 7.     | 27.3   | .610   | 26.4   |
| %RSD      | .10939 | .01714 | .75965 | 3.5388 | .73302 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3506.5 | 38710. | 3562.4 | 16.575 | 3574.6 |
| #2 | 3511.3 | 38713. | 3607.7 | 17.767 | 3621.7 |
| #3 | 3503.7 | 38723. | 3611.5 | 17.400 | 3619.0 |

Sample Name: K1675-18      Acquired: 3/2/2019 2:31:57      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-4-A-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00086 | -.00669 | .30046 | .00813 | -.00408 | .08569 | .23166 | .00001 |
| Stddev | .00408 | .00071  | .00193 | .00188 | .00021  | .01092 | .00694 | .00008 |
| %RSD   | 475.89 | 10.564  | .64386 | 23.097 | 5.1043  | 12.739 | 2.9942 | 821.38 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00340  | -.00594 | .30097 | .00754 | -.00391 | .09307 | .22366 | .00010  |
| #2 | -.00385 | -.00677 | .29832 | .01023 | -.00431 | .07315 | .23594 | -.00007 |
| #3 | .00301  | -.00735 | .30209 | .00661 | -.00401 | .09086 | .23538 | .00000  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00128 | 90.839 | .00059 | .00131 | .00626 | .01559 | .20272 | 1.7559 |
| Stddev | .00007 | .517   | .00054 | .00010 | .00018 | .00161 | .00034 | .0249  |
| %RSD   | 5.3494 | .56900 | 90.209 | 7.7481 | 2.8397 | 10.300 | .16792 | 1.4178 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00135 | 90.300 | .00087  | .00139 | .00624 | .01386 | .20245 | 1.7597 |
| #2 | .00121 | 91.331 | -.00002 | .00120 | .00610 | .01588 | .20261 | 1.7787 |
| #3 | .00129 | 90.884 | .00094  | .00135 | .00645 | .01704 | .20310 | 1.7294 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00225 | -.00127 | 322.36 | .00085 | .10990 | 1.4552 | .00044 | .01929 |
| Stddev | .00008 | .00017  | 1.77   | .00030 | .00084 | .0544  | .00013 | .01592 |
| %RSD   | 3.6829 | 13.038  | .54833 | 35.717 | .76523 | 3.7416 | 29.314 | 82.540 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00235 | -.00146 | 320.78 | .00097 | .11060 | 1.4302 | .00051 | .02238 |
| #2 | .00221 | -.00114 | 324.27 | .00108 | .10897 | 1.5176 | .00051 | .03343 |
| #3 | .00220 | -.00122 | 322.02 | .00051 | .11013 | 1.4177 | .00029 | .00205 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .70007 | .90120 | .00204 | -.00025 | .00465 | .2304  | .35694 | 4.5714 |
| Stddev | .01096 | .00706 | .00113 | .00168  | .00375 | .0016  | .00019 | .1568  |
| %RSD   | 1.5649 | .78379 | 55.134 | 674.48  | 80.641 | .6742  | .05214 | 3.4297 |

|    |        |        |        |         |        |       |        |        |
|----|--------|--------|--------|---------|--------|-------|--------|--------|
| #1 | .70918 | .90109 | .00299 | .00156  | .00094 | .2310 | .35675 | 4.4911 |
| #2 | .68792 | .89419 | .00234 | -.00176 | .00843 | .2286 | .35712 | 4.7521 |
| #3 | .70312 | .90832 | .00080 | -.00054 | .00457 | .2315 | .35695 | 4.4711 |

Sample Name: K1675-18      Acquired: 3/2/2019 2:31:57      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-4-A-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 64.557 |
| Stddev | 7.348  |
| %RSD   | 11.382 |

|    |        |
|----|--------|
| #1 | 73.023 |
| #2 | 60.813 |
| #3 | 59.835 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3493.8 | 38907. | 3573.7 | 16.637 | 3566.1 |
| Stddev    | 16.3   | 129.   | 1.2    | .131   | 29.0   |
| %RSD      | .46529 | .33246 | .03394 | .78889 | .81387 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3481.4 | 38912. | 3575.1 | 16.743 | 3559.8 |
| #2 | 3512.2 | 38775. | 3573.1 | 16.490 | 3597.8 |
| #3 | 3487.8 | 39034. | 3573.0 | 16.677 | 3540.8 |

Sample Name: K1675-26      Acquired: 3/2/2019 2:36:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-12-A      Custom ID2:      Custom ID3:  
 Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00120 | -.00365 | .01168 | .00675 | -.00174 | .19807 | .12441 | .00002 |
| Stddev | .00412 | .00211  | .00035 | .00203 | .00180  | .01988 | .00167 | .00002 |
| %RSD   | 344.86 | 57.709  | 3.0053 | 30.132 | 103.52  | 10.037 | 1.3385 | 106.29 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00569  | -.00128 | .01201 | .00874 | .00034  | .17517 | .12471 | .00005 |
| #2 | -.00241 | -.00437 | .01131 | .00467 | -.00283 | .21090 | .12262 | .00001 |
| #3 | .00031  | -.00531 | .01173 | .00684 | -.00272 | .20814 | .12591 | .00000 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00010 | 4.3920 | .00071 | -.00004 | .00572 | .00727 | .06503 | .45345 |
| Stddev | .00005 | .0131  | .00050 | .00018  | .00041 | .00156 | .00054 | .06947 |
| %RSD   | 48.533 | .29731 | 69.447 | 505.45  | 7.1437 | 21.487 | .83250 | 15.321 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00007 | 4.3939 | .00098 | -.00009 | .00615 | .00772 | .06492 | .38015 |
| #2 | .00008 | 4.3780 | .00102 | -.00018 | .00566 | .00553 | .06456 | .46188 |
| #3 | .00016 | 4.4039 | .00014 | .00017  | .00534 | .00856 | .06562 | .51833 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00228 | -.00023 | 337.37 | -.00048 | .03393 | .91871 | .00010 | .01796 |
| Stddev | .00029 | .00026  | 3.32   | .00042  | .00032 | .02784 | .00040 | .01587 |
| %RSD   | 12.805 | 116.25  | .98290 | 87.776  | .94143 | 3.0298 | 405.29 | 88.339 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00231 | -.00024 | 337.43 | -.00041 | .03378 | .90872 | .00054  | .00222 |
| #2 | .00198 | -.00049 | 334.03 | -.00010 | .03372 | .89725 | -.00002 | .01771 |
| #3 | .00256 | .00004  | 340.66 | -.00093 | .03430 | .95016 | -.00023 | .03396 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .24684 | .23538 | .00099 | .00370 | -.00466 | .0095  | .02435 | 4.7073 |
| Stddev | .01882 | .00139 | .00073 | .00317 | .00088  | .0011  | .00008 | .0747  |
| %RSD   | 7.6261 | .58933 | 73.626 | 85.757 | 18.862  | 11.29  | .34892 | 1.5877 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .25461 | .23466 | .00149 | .00189 | -.00491 | .0107 | .02426 | 4.7161 |
| #2 | .22538 | .23449 | .00015 | .00184 | -.00539 | .0087 | .02436 | 4.7772 |
| #3 | .26055 | .23697 | .00133 | .00737 | -.00368 | .0091 | .02443 | 4.6285 |



Sample Name: K1675-26      Acquired: 3/2/2019 2:36:32      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-12-A      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      33.627  
 Stddev      4.174  
 %RSD      12.413

#1      32.046  
 #2      30.474  
 #3      38.360

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3534.2 | 38612. | 3583.3 | 17.467 | 3630.1 |
| Stddev    | 20.9   | 152.   | 37.2   | .546   | 22.8   |
| %RSD      | .59002 | .39297 | 1.0395 | 3.1285 | .62730 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3510.3 | 38460. | 3566.8 | 16.967 | 3623.7 |
| #2 | 3543.3 | 38613. | 3626.0 | 17.383 | 3655.4 |
| #3 | 3548.9 | 38763. | 3557.2 | 18.050 | 3611.2 |

Sample Name: K1675-28      Acquired: 3/2/2019 2:41:11      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-12-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00113 | -.00334 | .01223 | .00637 | -.00209 | .09142 | .12965 | .00016 |
| Stddev | .00084 | .00096  | .00068 | .00148 | .00135  | .01195 | .00380 | .00016 |
| %RSD   | 74.205 | 28.745  | 5.5454 | 23.277 | 64.669  | 13.076 | 2.9300 | 102.69 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00053 | -.00301 | .01292 | .00485 | -.00265 | .07803 | .12921 | .00008 |
| #2 | .00209 | -.00258 | .01156 | .00644 | -.00308 | .09522 | .12609 | .00005 |
| #3 | .00077 | -.00442 | .01221 | .00781 | -.00055 | .10102 | .13365 | .00034 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00005 | 6.8386 | .00121 | -.00039 | .00593 | .00614 | .04179 | .75485 |
| Stddev | .00007 | .0321  | .00033 | .00020  | .00027 | .00079 | .00028 | .03228 |
| %RSD   | 154.46 | .46968 | 27.212 | 51.654  | 4.4739 | 12.944 | .67227 | 4.2770 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00006  | 6.8063 | .00114 | -.00025 | .00568 | .00608 | .04164 | .75916 |
| #2 | -.00003 | 6.8389 | .00092 | -.00062 | .00621 | .00696 | .04161 | .78476 |
| #3 | .00012  | 6.8705 | .00157 | -.00030 | .00590 | .00538 | .04211 | .72063 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00188 | -.00043 | 336.59 | -.00030 | .02682 | .93678 | .00014 | .00963 |
| Stddev | .00053 | .00015  | 2.66   | .00060  | .00003 | .06818 | .00011 | .00314 |
| %RSD   | 27.903 | 35.995  | .79146 | 198.70  | .10809 | 7.2777 | 78.979 | 32.587 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .00208 | -.00035 | 334.14 | .00037  | .02679 | .86027 | .00025 | .01248 |
| #2 | .00129 | -.00033 | 339.42 | -.00080 | .02685 | .95896 | .00015 | .01015 |
| #3 | .00228 | -.00061 | 336.21 | -.00047 | .02681 | .99110 | .00002 | .00627 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .17917 | .17930 | .00106 | .00040 | -.00422 | .0197  | .02352 | 4.8208 |
| Stddev | .00177 | .00279 | .00052 | .00171 | .00304  | .0007  | .00006 | .0400  |
| %RSD   | .98977 | 1.5576 | 48.605 | 427.69 | 72.192  | 3.797  | .26449 | .83033 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .18003 | .17609 | .00089 | -.00096 | -.00533 | .0190 | .02347 | 4.8338 |
| #2 | .18034 | .18119 | .00164 | -.00016 | -.00655 | .0205 | .02359 | 4.8528 |
| #3 | .17713 | .18062 | .00066 | .00232  | -.00077 | .0197 | .02351 | 4.7759 |

Sample Name: K1675-28      Acquired: 3/2/2019 2:41:11      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-12-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 38.112 |
| Stddev | 5.166  |
| %RSD   | 13.555 |

|    |        |
|----|--------|
| #1 | 40.861 |
| #2 | 32.153 |
| #3 | 41.323 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3492.7 | 38447. | 3575.9 | 17.275 | 3618.4 |
| Stddev    | 38.5   | 156.   | 16.0   | .922   | 36.5   |
| %RSD      | 1.1029 | .40633 | .44674 | 5.3398 | 1.0095 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3475.9 | 38502. | 3577.5 | 16.217 | 3637.2 |
| #2 | 3465.4 | 38568. | 3559.2 | 17.700 | 3576.3 |
| #3 | 3536.8 | 38271. | 3591.0 | 17.908 | 3641.8 |

Sample Name: K1675-32      Acquired: 3/2/2019 2:45:50      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-13-A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | .00056 | -.00295 | .01379 | .00630 | -.00271 | .05928 | .12747 | -.00001 |
| Stddev | .00326 | .00083  | .00029 | .00063 | .00025  | .02308 | .00232 | .00007  |
| %RSD   | 582.08 | 28.173  | 2.1354 | 10.071 | 9.1134  | 38.940 | 1.8182 | 511.98  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | .00418  | -.00389 | .01361 | .00558 | -.00299 | .05121 | .12491 | -.00007 |
| #2 | -.00217 | -.00264 | .01363 | .00653 | -.00261 | .04132 | .12808 | .00007  |
| #3 | -.00033 | -.00232 | .01413 | .00678 | -.00253 | .08532 | .12943 | -.00004 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00015 | 9.2712 | .00101 | -.00048 | .00247 | .01693 | .03595 | .47037 |
| Stddev | .00007 | .0572  | .00010 | .00035  | .00047 | .00175 | .00015 | .03101 |
| %RSD   | 47.603 | .61656 | 10.184 | 73.329  | 19.204 | 10.359 | .40397 | 6.5920 |

|    |        |        |        |         |        |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00022 | 9.2064 | .00104 | -.00074 | .00254 | .01738 | .03578 | .50002 |
| #2 | .00015 | 9.3145 | .00110 | -.00062 | .00197 | .01499 | .03604 | .43816 |
| #3 | .00008 | 9.2927 | .00090 | -.00008 | .00291 | .01841 | .03602 | .47292 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00121 | -.00093 | 269.67 | .00001 | .04753 | .50197 | .00028 | .03080 |
| Stddev | .00041 | .00040  | 2.09   | .00034 | .00047 | .01526 | .00031 | .00807 |
| %RSD   | 33.733 | 42.777  | .77533 | 5893.8 | .97963 | 3.0409 | 110.03 | 26.184 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00142 | -.00048 | 270.54 | .00038  | .04762 | .51916 | -.00008 | .02377 |
| #2 | .00148 | -.00111 | 267.29 | -.00009 | .04702 | .49675 | .00045  | .02903 |
| #3 | .00074 | -.00122 | 271.19 | -.00027 | .04794 | .49000 | .00046  | .03961 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .16447 | .31939 | .00136 | .00135 | -.00345 | .1852  | .05053 | 4.5086 |
| Stddev | .01777 | .00250 | .00022 | .00333 | .00167  | .0012  | .00027 | .0458  |
| %RSD   | 10.802 | .78207 | 16.164 | 246.66 | 48.282  | .6241  | .52939 | 1.0163 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .14409 | .32014 | .00111 | .00386  | -.00457 | .1850 | .05023 | 4.5291 |
| #2 | .17268 | .31661 | .00144 | .00261  | -.00426 | .1842 | .05074 | 4.4561 |
| #3 | .17665 | .32143 | .00153 | -.00243 | -.00154 | .1865 | .05062 | 4.5405 |

Sample Name: K1675-32      Acquired: 3/2/2019 2:45:50      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-13-A      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      39.812  
 Stddev      4.883  
 %RSD      12.265

#1      44.998  
 #2      39.136  
 #3      35.303

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3533.8 | 38995. | 3560.2 | 16.587 | 3657.1 |
| Stddev    | 4.2    | 90.    | 19.6   | .855   | 17.8   |
| %RSD      | .11788 | .23065 | .54922 | 5.1568 | .48642 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3536.8 | 39091. | 3545.4 | 17.553 | 3644.2 |
| #2 | 3529.0 | 38913. | 3582.4 | 16.286 | 3677.4 |
| #3 | 3535.6 | 38980. | 3552.9 | 15.923 | 3649.7 |

Sample Name: K1675-36      Acquired: 3/2/2019 2:50:20      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-13-B      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |         |        |        |        |
|--------|---------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00086 | -.00292 | .00619 | .00562 | -.00258 | .04688 | .06555 | .00004 |
| Stddev | .00196  | .00162  | .00096 | .00068 | .00070  | .00759 | .00493 | .00008 |
| %RSD   | 227.21  | 55.568  | 15.508 | 12.086 | 27.024  | 16.183 | 7.5235 | 217.21 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00240 | -.00388 | .00617 | .00519 | -.00178 | .05559 | .06924 | .00001  |
| #2 | -.00153 | -.00384 | .00715 | .00526 | -.00292 | .04171 | .05995 | .00012  |
| #3 | .00134  | -.00105 | .00523 | .00640 | -.00304 | .04334 | .06745 | -.00002 |

|        |         |        |        |         |        |        |        |        |
|--------|---------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00006 | 6.1849 | .00147 | -.00037 | .00496 | .00552 | .01669 | .52564 |
| Stddev | .00012  | .0351  | .00026 | .00032  | .00009 | .00030 | .00012 | .03975 |
| %RSD   | 204.20  | .56768 | 17.438 | 87.734  | 1.8690 | 5.5022 | .70883 | 7.5624 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | -.00004 | 6.2039 | .00160 | -.00059 | .00487 | .00526 | .01681 | .48610 |
| #2 | .00005  | 6.1444 | .00117 | .00000  | .00506 | .00545 | .01657 | .52522 |
| #3 | -.00018 | 6.2065 | .00163 | -.00051 | .00495 | .00585 | .01669 | .56560 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00089 | -.00065 | 324.17 | -.00050 | .01875 | .64832 | .00008 | .01725 |
| Stddev | .00023 | .00024  | 2.54   | .00005  | .00006 | .01522 | .00014 | .00352 |
| %RSD   | 25.683 | 37.044  | .78202 | 10.757  | .33798 | 2.3483 | 179.30 | 20.435 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00109 | -.00064 | 322.07 | -.00044 | .01883 | .63695 | .00014  | .01602 |
| #2 | .00064 | -.00041 | 323.47 | -.00054 | .01873 | .64239 | -.00008 | .01450 |
| #3 | .00093 | -.00089 | 326.99 | -.00051 | .01871 | .66561 | .00018  | .02122 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .09681 | .32103 | .00106 | -.00041 | -.00423 | .0783  | .03442 | 4.3647 |
| Stddev | .02014 | .00488 | .00072 | .00175  | .00202  | .0012  | .00018 | .2578  |
| %RSD   | 20.798 | 1.5201 | 68.284 | 424.99  | 47.721  | 1.559  | .52233 | 5.9063 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .11995 | .31814 | .00116 | -.00197 | -.00450 | .0793 | .03463 | 4.4498 |
| #2 | .08724 | .31828 | .00173 | .00149  | -.00610 | .0787 | .03434 | 4.5693 |
| #3 | .08325 | .32666 | .00029 | -.00076 | -.00209 | .0769 | .03430 | 4.0752 |

Sample Name: K1675-36      Acquired: 3/2/2019 2:50:20      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-13-B      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 31.135 |
| Stddev | 4.235  |
| %RSD   | 13.601 |

|    |        |
|----|--------|
| #1 | 31.419 |
| #2 | 26.765 |
| #3 | 35.220 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3591.0 | 39497. | 3592.1 | 16.222 | 3683.3 |
| Stddev    | 15.2   | 332.   | 11.9   | .495   | 14.1   |
| %RSD      | .42228 | .83996 | .33161 | 3.0488 | .38252 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3580.0 | 39285. | 3585.8 | 16.792 | 3670.7 |
| #2 | 3584.7 | 39327. | 3605.9 | 15.975 | 3680.8 |
| #3 | 3608.3 | 39880. | 3584.8 | 15.900 | 3698.5 |

Sample Name: CCV17      Acquired: 3/2/2019 2:55:00      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |          |
|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.7459 | 4.8877 | 4.6942 | 4.9388 | 4.7683 | 9.7647 | 10.033 | .24066   |
| Stddev | .0397  | .0137  | .0056  | .0256  | .0304  | .0646  | .158   | .00077   |
| %RSD   | .83617 | .27929 | .11902 | .51842 | .63802 | .66112 | 1.5776 | .31946   |
| #1     | 4.7633 | 4.8968 | 4.6878 | 4.9495 | 4.7756 | 9.8049 | 10.061 | .24062   |
| #2     | 4.7004 | 4.8944 | 4.6971 | 4.9095 | 4.7349 | 9.7990 | 9.8625 | .23992   |
| #3     | 4.7738 | 4.8721 | 4.6977 | 4.9572 | 4.7944 | 9.6902 | 10.175 | .24145   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.3652 | 25.106 | .99036 | 2.3749 | 1.2327 | 5.2780 | 2.4009 | 26.077   |
| Stddev | .0037  | .298   | .00109 | .0018  | .0091  | .0588  | .0022  | .196     |
| %RSD   | .15669 | 1.1886 | .11029 | .07741 | .73992 | 1.1135 | .09280 | .75268   |
| #1     | 2.3612 | 25.274 | .99003 | 2.3739 | 1.2361 | 5.2817 | 2.4025 | 25.852   |
| #2     | 2.3686 | 24.761 | .99158 | 2.3770 | 1.2224 | 5.2175 | 2.3983 | 26.215   |
| #3     | 2.3657 | 25.283 | .98948 | 2.3737 | 1.2397 | 5.3348 | 2.4018 | 26.163   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 2.6224 | 1.2451 | 25.718 | 2.6152 | 2.3063 | 27.023 | 4.7685 | 4.9812   |
| Stddev | .0025  | .0012  | .349   | .0052  | .0013  | .413   | .0275  | .0076    |
| %RSD   | .09515 | .09639 | 1.3557 | .19774 | .05684 | 1.5267 | .57669 | .15197   |
| #1     | 2.6203 | 1.2438 | 25.746 | 2.6165 | 2.3048 | 26.903 | 4.7772 | 4.9899   |
| #2     | 2.6252 | 1.2458 | 25.356 | 2.6196 | 2.3074 | 26.683 | 4.7378 | 4.9776   |
| #3     | 2.6218 | 1.2459 | 26.052 | 2.6095 | 2.3065 | 27.482 | 4.7907 | 4.9761   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      |
| Avg    | 4.9375 | 4.9650 | 4.7545 | 4.8297 | 4.7717 | 4.917  | 4.7933 | F 3.7203 |
| Stddev | .0213  | .0763  | .0021  | .0089  | .0726  | .004   | .0745  | .0644    |
| %RSD   | .43154 | 1.5375 | .04318 | .18479 | 1.5223 | .0870  | 1.5534 | 1.7308   |
| #1     | 4.9532 | 4.9737 | 4.7528 | 4.8197 | 4.7808 | 4.915  | 4.8028 | 3.7182   |
| #2     | 4.9461 | 4.8847 | 4.7568 | 4.8326 | 4.6950 | 4.921  | 4.7145 | 3.7858   |
| #3     | 4.9132 | 5.0366 | 4.7540 | 4.8368 | 4.8395 | 4.914  | 4.8625 | 3.6570   |



Sample Name: CCV17      Acquired: 3/2/2019 2:55:00      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      F 16.757  
 Stddev      2.670  
 %RSD      15.931

#1      14.163  
 #2      19.496  
 #3      16.613

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3741.3 | 41497. | 3669.1 | 16.436 | 3823.4 |
| Stddev    | 19.1   | 45.    | 52.9   | 1.980  | 3.8    |
| %RSD      | .51183 | .10913 | 1.4425 | 12.044 | .09909 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3732.8 | 41446. | 3663.5 | 15.990 | 3821.5 |
| #2 | 3763.3 | 41532. | 3724.6 | 18.601 | 3820.9 |
| #3 | 3728.0 | 41512. | 3619.2 | 14.718 | 3827.7 |

Sample Name: CCB17      Acquired: 3/2/2019 2:59:02      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00216 | -.00026 | .00006 | F .00528 | -.00142 | .00260 | -.00773 | .00008 |
| Stddev | .00212  | .00082  | .00048 | .00109   | .00061  | .01151 | .00327  | .00005 |
| %RSD   | 98.199  | 314.47  | 756.35 | 20.649   | 42.858  | 442.88 | 42.297  | 69.975 |

|    |         |         |         |        |         |         |         |        |
|----|---------|---------|---------|--------|---------|---------|---------|--------|
| #1 | -.00032 | .00069  | -.00031 | .00535 | -.00161 | -.00981 | -.01079 | .00008 |
| #2 | -.00168 | -.00074 | -.00011 | .00634 | -.00191 | .00468  | -.00429 | .00013 |
| #3 | -.00448 | -.00073 | .00060  | .00416 | -.00074 | .01293  | -.00811 | .00002 |

|        |        |        |         |         |         |         |         |        |
|--------|--------|--------|---------|---------|---------|---------|---------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790 |
| Units  | ppm    | ppm    | ppm     | ppm     | ppm     | ppm     | ppm     | ppm    |
| Avg    | .00001 | .01844 | -.00020 | -.00026 | -.00006 | -.00019 | -.00002 | .10191 |
| Stddev | .00003 | .02508 | .00042  | .00017  | .00017  | .00325  | .00005  | .03672 |
| %RSD   | 302.38 | 135.98 | 213.31  | 64.159  | 309.85  | 1743.3  | 338.09  | 36.036 |

|    |         |         |         |         |         |         |         |        |
|----|---------|---------|---------|---------|---------|---------|---------|--------|
| #1 | .00003  | .04035  | -.00056 | -.00039 | .00007  | .00226  | -.00005 | .11131 |
| #2 | .00001  | -.00892 | -.00029 | -.00007 | -.00025 | -.00388 | -.00005 | .13301 |
| #3 | -.00002 | .02390  | .00026  | -.00032 | .00001  | .00106  | .00005  | .06140 |

|        |         |         |        |         |         |        |        |        |
|--------|---------|---------|--------|---------|---------|--------|--------|--------|
| Elem   | Ni2316  | Ag3280  | Na5895 | V_2924  | Zn2138  | K_7664 | Mo2020 | B_2496 |
| Units  | ppm     | ppm     | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | -.00022 | -.00063 | .09064 | -.00005 | -.00029 | .07608 | .00025 | .00367 |
| Stddev | .00009  | .00057  | .00612 | .00028  | .00003  | .04936 | .00020 | .01002 |
| %RSD   | 42.379  | 90.016  | 6.7485 | 545.40  | 11.019  | 64.875 | 82.560 | 273.08 |

|    |         |         |        |         |         |        |        |         |
|----|---------|---------|--------|---------|---------|--------|--------|---------|
| #1 | -.00023 | -.00129 | .08385 | -.00004 | -.00027 | .08216 | .00032 | .01023  |
| #2 | -.00031 | -.00037 | .09571 | -.00033 | -.00032 | .02396 | .00002 | .00864  |
| #3 | -.00012 | -.00024 | .09236 | .00022  | -.00027 | .12211 | .00040 | -.00786 |

|        |          |        |         |         |         |        |         |          |
|--------|----------|--------|---------|---------|---------|--------|---------|----------|
| Elem   | S_1820   | Si2881 | Sn1899  | Ti3361  | Li6707  | P_1774 | Sr4077  | U_3670   |
| Units  | ppm      | ppm    | ppm     | ppm     | ppm     | ppm    | ppm     | ppm      |
| Avg    | F .03609 | .00069 | -.00024 | -.00024 | -.00927 | .0023  | -.00008 | F 2.7376 |
| Stddev | .00992   | .00489 | .00047  | .00102  | .00206  | .0005  | .00015  | .1410    |
| %RSD   | 27.497   | 710.30 | 195.86  | 429.14  | 22.221  | 21.88  | 201.40  | 5.1498   |

|    |        |         |         |         |         |       |         |        |
|----|--------|---------|---------|---------|---------|-------|---------|--------|
| #1 | .04302 | .00634  | -.00074 | -.00001 | -.00691 | .0018 | -.00018 | 2.6011 |
| #2 | .02472 | -.00216 | .00019  | .00065  | -.01070 | .0024 | -.00015 | 2.7292 |
| #3 | .04052 | -.00211 | -.00016 | -.00135 | -.01019 | .0028 | .00010  | 2.8827 |

Sample Name: CCB17      Acquired: 3/2/2019 2:59:02      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 8.0697  
Stddev      2.9540  
%RSD      36.606

#1      11.479  
#2      6.2835  
#3      6.4462

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3819.0 | 42624. | 3654.9 | 16.661 | 4237.7 |
| Stddev    | 8.7    | 101.   | 32.6   | 1.582  | 7.3    |
| %RSD      | .22769 | .23668 | .89275 | 9.4969 | .17237 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3811.1 | 42524. | 3649.7 | 15.367 | 4243.2 |
| #2 | 3817.6 | 42726. | 3689.9 | 18.425 | 4229.4 |
| #3 | 3828.3 | 42622. | 3625.3 | 16.192 | 4240.5 |

Sample Name: K1675-40      Acquired: 3/2/2019 3:03:33      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-14-A      Custom ID2:      Custom ID3:  
Comment:

|        |        |         |        |        |         |        |        |        |
|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| Elem   | As1890 | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .00910 | -.00406 | .28496 | .00649 | -.00251 | .15668 | .20107 | .00003 |
| Stddev | .00272 | .00229  | .00136 | .00280 | .00103  | .01805 | .00472 | .00003 |
| %RSD   | 29.913 | 56.364  | .47663 | 43.058 | 40.860  | 11.523 | 2.3451 | 114.13 |

|    |        |         |        |        |         |        |        |        |
|----|--------|---------|--------|--------|---------|--------|--------|--------|
| #1 | .00820 | -.00623 | .28422 | .00336 | -.00310 | .15065 | .20646 | .00001 |
| #2 | .00695 | -.00429 | .28653 | .00739 | -.00310 | .14241 | .19906 | .00000 |
| #3 | .01216 | -.00167 | .28414 | .00872 | -.00133 | .17698 | .19770 | .00006 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00233 | 76.366 | .00003 | .00569 | .00647 | .12613 | 1.3737 | 2.6677 |
| Stddev | .00007 | .600   | .00029 | .00017 | .00036 | .00114 | .0048  | .0894  |
| %RSD   | 3.0783 | .78561 | 1077.5 | 3.0320 | 5.5013 | .90267 | .35213 | 3.3505 |

|    |        |        |         |        |        |        |        |        |
|----|--------|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00241 | 76.415 | .00022  | .00564 | .00683 | .12498 | 1.3683 | 2.7288 |
| #2 | .00227 | 75.743 | .00017  | .00555 | .00611 | .12726 | 1.3752 | 2.5651 |
| #3 | .00232 | 76.940 | -.00031 | .00588 | .00648 | .12614 | 1.3776 | 2.7093 |

|        |        |         |        |         |        |        |        |        |
|--------|--------|---------|--------|---------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01296 | -.00126 | 312.20 | -.00158 | .17074 | 1.5003 | .00058 | .03057 |
| Stddev | .00014 | .00063  | 2.29   | .00028  | .00039 | .0494  | .00038 | .00424 |
| %RSD   | 1.0899 | 50.474  | .73223 | 17.604  | .23004 | 3.2897 | 65.866 | 13.868 |

|    |        |         |        |         |        |        |        |        |
|----|--------|---------|--------|---------|--------|--------|--------|--------|
| #1 | .01280 | -.00156 | 314.47 | -.00168 | .17058 | 1.4433 | .00021 | .03546 |
| #2 | .01301 | -.00053 | 309.89 | -.00126 | .17119 | 1.5286 | .00098 | .02829 |
| #3 | .01307 | -.00168 | 312.23 | -.00179 | .17045 | 1.5291 | .00057 | .02796 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 1.6323 | .78281 | .00146 | .00323 | .00068 | .0140  | .19574 | 4.2804 |
| Stddev | .0082  | .00168 | .00034 | .00232 | .00189 | .0003  | .00054 | .1997  |
| %RSD   | .50411 | .21487 | 23.616 | 71.753 | 279.27 | 1.917  | .27478 | 4.6659 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.6418 | .78414 | .00114 | .00348 | .00175  | .0143 | .19599 | 4.3144 |
| #2 | 1.6275 | .78336 | .00182 | .00541 | -.00151 | .0138 | .19512 | 4.4609 |
| #3 | 1.6275 | .78092 | .00141 | .00080 | .00179  | .0139 | .19611 | 4.0659 |

Sample Name: K1675-40      Acquired: 3/2/2019 3:03:33      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-14-A      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      56.762  
 Stddev      5.601  
 %RSD      9.8676

#1      52.663  
 #2      54.479  
 #3      63.144

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3539.0 | 39341. | 3636.6 | 16.684 | 3632.5 |
| Stddev    | 30.0   | 132.   | 3.3    | 1.365  | 8.5    |
| %RSD      | .84905 | .33662 | .09133 | 8.1803 | .23277 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3505.2 | 39481. | 3632.8 | 18.208 | 3623.0 |
| #2 | 3562.6 | 39218. | 3638.9 | 16.269 | 3635.3 |
| #3 | 3549.2 | 39323. | 3638.2 | 15.575 | 3639.2 |

Sample Name: K1675-44      Acquired: 3/2/2019 3:08:08      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: Z-3-14-B      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |         |        |        |         |
|--------|---------|---------|--------|--------|---------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068  | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm     | ppm    | ppm    | ppm     |
| Avg    | -.00108 | -.00122 | .01385 | .00809 | -.00261 | .07323 | .05083 | -.00006 |
| Stddev | .00110  | .00078  | .00055 | .00300 | .00038  | .00801 | .00358 | .00006  |
| %RSD   | 102.04  | 63.841  | 4.0051 | 37.051 | 14.385  | 10.931 | 7.0413 | 87.438  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00231 | -.00114 | .01369 | .00465 | -.00237 | .07033 | .05363 | -.00003 |
| #2 | -.00077 | -.00049 | .01339 | .00949 | -.00305 | .06709 | .04680 | -.00003 |
| #3 | -.00017 | -.00204 | .01446 | .01013 | -.00242 | .08229 | .05207 | -.00013 |

|        |        |        |        |         |        |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286  | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00001 | 5.5239 | .00130 | -.00017 | .00379 | .02511 | .03772 | 1.1002 |
| Stddev | .00014 | .0106  | .00041 | .00028  | .00040 | .00101 | .00007 | .0825  |
| %RSD   | 1587.8 | .19132 | 31.460 | 164.83  | 10.490 | 4.0236 | .18702 | 7.4951 |

|    |         |        |        |         |        |        |        |        |
|----|---------|--------|--------|---------|--------|--------|--------|--------|
| #1 | .00017  | 5.5244 | .00117 | -.00009 | .00380 | .02444 | .03771 | 1.0797 |
| #2 | -.00007 | 5.5131 | .00176 | .00006  | .00419 | .02627 | .03765 | 1.1910 |
| #3 | -.00007 | 5.5342 | .00097 | -.00048 | .00339 | .02461 | .03779 | 1.0300 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00148 | -.00018 | 286.23 | .00010 | .01723 | 1.2113 | .00002 | .01712 |
| Stddev | .00012 | .00022  | 2.40   | .00031 | .00019 | .0153  | .00006 | .01013 |
| %RSD   | 8.0862 | 121.27  | .83958 | 304.18 | 1.1265 | 1.2625 | 316.55 | 59.176 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00146 | -.00044 | 286.48 | -.00003 | .01707 | 1.2181 | -.00005 | .00834 |
| #2 | .00162 | -.00003 | 288.50 | .00045  | .01717 | 1.1938 | .00004  | .02821 |
| #3 | .00138 | -.00008 | 283.71 | -.00012 | .01744 | 1.2220 | .00006  | .01482 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .48915 | .33935 | .00083 | .00244 | -.00823 | .0659  | .02204 | 3.9903 |
| Stddev | .02359 | .00307 | .00063 | .00312 | .00313  | .0008  | .00006 | .1537  |
| %RSD   | 4.8233 | .90398 | 75.450 | 128.06 | 38.084  | 1.289  | .28955 | 3.8523 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .51200 | .33855 | .00030 | .00601 | -.01108 | .0653 | .02208 | 3.9538 |
| #2 | .46488 | .34274 | .00153 | .00104 | -.00873 | .0669 | .02207 | 4.1590 |
| #3 | .49058 | .33677 | .00067 | .00026 | -.00487 | .0655 | .02197 | 3.8582 |

Sample Name: K1675-44      Acquired: 3/2/2019 3:08:08      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: Z-3-14-B      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 27.928 |
| Stddev | 9.816  |
| %RSD   | 35.149 |

|    |        |
|----|--------|
| #1 | 36.475 |
| #2 | 30.101 |
| #3 | 17.207 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3588.9 | 39885. | 3650.0 | 17.547 | 3724.0 |
| Stddev    | 27.5   | 165.   | 18.7   | 1.178  | 12.0   |
| %RSD      | .76513 | .41292 | .51194 | 6.7133 | .32256 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3583.9 | 39817. | 3628.5 | 18.425 | 3737.7 |
| #2 | 3564.3 | 39766. | 3660.1 | 18.008 | 3719.0 |
| #3 | 3618.5 | 40073. | 3661.5 | 16.208 | 3715.3 |

Sample Name: K1666-01      Acquired: 3/2/2019 3:12:44      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-A      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00701 | -.00295 | .10502 | .00281 | .00038 | .22043 | .50851 | .00001 |
| Stddev | .00372  | .00118  | .00112 | .00258 | .00192 | .01058 | .00125 | .00004 |
| %RSD   | 53.021  | 40.022  | 1.0649 | 91.861 | 505.06 | 4.8019 | .24662 | 701.10 |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00624 | -.00410 | .10567 | .00037 | .00256  | .21111 | .50982 | -.00002 |
| #2 | -.00374 | -.00299 | .10565 | .00254 | -.00107 | .23194 | .50840 | .00005  |
| #3 | -.01106 | -.00175 | .10373 | .00551 | -.00035 | .21824 | .50731 | -.00001 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .03831 | 4.7941 | .07598 | .00232 | .00720 | .67802 | .10574 | .29493 |
| Stddev | .00007 | .0333  | .00061 | .00018 | .00036 | .00743 | .00041 | .04935 |
| %RSD   | .18202 | .69494 | .80258 | 7.6420 | 5.0044 | 1.0960 | .39239 | 16.734 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03828 | 4.8318 | .07652 | .00230 | .00745 | .68575 | .10537 | .33949 |
| #2 | .03839 | 4.7687 | .07532 | .00251 | .00679 | .67738 | .10566 | .30343 |
| #3 | .03827 | 4.7817 | .07610 | .00216 | .00738 | .67093 | .10619 | .24188 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .02341 | -.00097 | 328.51 | -.00036 | 12.978 | .74596 | -.00144 | .08544 |
| Stddev | .00028 | .00053  | 5.88   | .00081  | .026   | .08260 | .00004  | .00850 |
| %RSD   | 1.2072 | 54.855  | 1.7895 | 225.37  | .19762 | 11.073 | 2.9359  | 9.9499 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .02308 | -.00036 | 332.82 | -.00122 | 13.003 | .65067 | -.00140 | .08558 |
| #2 | .02359 | -.00122 | 330.91 | .00040  | 12.952 | .79019 | -.00148 | .07687 |
| #3 | .02356 | -.00133 | 321.81 | -.00026 | 12.978 | .79703 | -.00143 | .09387 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .46961 | .10449 | .00087 | -.00066 | -.00629 | .0030  | .01246 | 4.1208 |
| Stddev | .02077 | .00499 | .00007 | .00165  | .00504  | .0002  | .00008 | .0681  |
| %RSD   | 4.4228 | 4.7781 | 8.1577 | 249.83  | 80.074  | 6.551  | .61610 | 1.6518 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .49357 | .10900 | .00084 | -.00257 | -.01007 | .0028 | .01240 | 4.1411 |
| #2 | .45671 | .10535 | .00081 | .00020  | -.00057 | .0029 | .01255 | 4.0449 |
| #3 | .45855 | .09912 | .00095 | .00038  | -.00823 | .0032 | .01244 | 4.1764 |



Sample Name: K1666-01      Acquired: 3/2/2019 3:12:44      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-A      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      26.823  
 Stddev      1.921  
 %RSD      7.1614

#1      25.894  
 #2      25.543  
 #3      29.031

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3606.7 | 39913. | 3696.4 | 16.822 | 3682.5 |
| Stddev    | 24.6   | 61.    | 45.8   | 1.352  | 11.6   |
| %RSD      | .68266 | .15263 | 1.2392 | 8.0362 | .31500 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3584.6 | 39939. | 3650.5 | 15.275 | 3671.9 |
| #2 | 3633.2 | 39957. | 3696.7 | 17.775 | 3694.9 |
| #3 | 3602.3 | 39843. | 3742.1 | 17.417 | 3680.7 |

Sample Name: K1666-02      Acquired: 3/2/2019 3:17:21      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-B      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00411 | -.00352 | .07181 | .00576 | .02261 | .06368 | .29529 | -.00002 |
| Stddev | .00080  | .00274  | .00073 | .00077 | .00165 | .00185 | .00135 | .00010  |
| %RSD   | 19.437  | 77.865  | 1.0158 | 13.359 | 7.2882 | 2.9116 | .45766 | 394.04  |

|    |         |         |        |        |        |        |        |         |
|----|---------|---------|--------|--------|--------|--------|--------|---------|
| #1 | -.00423 | -.00627 | .07265 | .00487 | .02429 | .06156 | .29460 | -.00005 |
| #2 | -.00326 | -.00078 | .07148 | .00617 | .02100 | .06499 | .29685 | -.00010 |
| #3 | -.00484 | -.00352 | .07131 | .00623 | .02254 | .06449 | .29443 | .00008  |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00636 | 3.7066 | .00759 | .00028 | .00294 | .12126 | .02893 | .23387 |
| Stddev | .00016 | .0445  | .00055 | .00008 | .00025 | .00326 | .00014 | .02536 |
| %RSD   | 2.4877 | 1.2015 | 7.2543 | 28.336 | 8.4052 | 2.6870 | .48105 | 10.844 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00643 | 3.6615 | .00775 | .00030 | .00301 | .12159 | .02879 | .20461 |
| #2 | .00648 | 3.7506 | .00803 | .00019 | .00314 | .12434 | .02894 | .24749 |
| #3 | .00618 | 3.7077 | .00697 | .00035 | .00266 | .11785 | .02907 | .24952 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00365 | -.00079 | 346.83 | -.00010 | 3.1198 | .57858 | -.00027 | .06265 |
| Stddev | .00015 | .00104  | 6.10   | .00028  | .0117  | .06480 | .00014  | .00604 |
| %RSD   | 4.1179 | 130.99  | 1.7582 | 269.44  | .37563 | 11.199 | 50.789  | 9.6359 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00382 | -.00199 | 352.47 | -.00021 | 3.1317 | .60993 | -.00042 | .05932 |
| #2 | .00353 | -.00016 | 347.65 | .00021  | 3.1083 | .50407 | -.00018 | .05901 |
| #3 | .00362 | -.00023 | 340.36 | -.00032 | 3.1195 | .62174 | -.00019 | .06962 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .41275 | .24339 | .00161 | -.00007 | -.00136 | .0063  | .02183 | 4.4132 |
| Stddev | .00834 | .00430 | .00116 | .00265  | .00186  | .0009  | .00002 | .1186  |
| %RSD   | 2.0204 | 1.7651 | 71.662 | 3865.7  | 136.33  | 14.09  | .09995 | 2.6868 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .42120 | .24671 | .00293 | -.00059 | -.00087 | .0066 | .02185 | 4.5308 |
| #2 | .41252 | .24492 | .00111 | .00280  | -.00342 | .0053 | .02183 | 4.2937 |
| #3 | .40453 | .23854 | .00080 | -.00241 | .00020  | .0071 | .02180 | 4.4151 |

Sample Name: K1666-02      Acquired: 3/2/2019 3:17:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-B      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      32.568  
 Stddev      4.111  
 %RSD      12.622

#1      37.029  
 #2      31.740  
 #3      28.934

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3578.1 | 39580. | 3668.7 | 15.733 | 3698.2 |
| Stddev    | 27.2   | 145.   | 42.8   | .644   | 16.6   |
| %RSD      | .76047 | .36540 | 1.1668 | 4.0918 | .44874 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3604.5 | 39477. | 3638.2 | 15.600 | 3681.6 |
| #2 | 3579.8 | 39745. | 3650.2 | 16.433 | 3714.8 |
| #3 | 3550.1 | 39517. | 3717.6 | 15.167 | 3698.1 |

Sample Name: K1666-03      Acquired: 3/2/2019 3:21:58      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-C      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00598 | -.00424 | .13424 | .00214 | .00108 | .10471 | .50534 | -.00000 |
| Stddev | .00302  | .00099  | .00034 | .00240 | .00174 | .02112 | .00344 | .00005  |
| %RSD   | 50.480  | 23.287  | .25152 | 112.03 | 162.15 | 20.168 | .68004 | 2760.1  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00854 | -.00349 | .13461 | .00055 | .00295  | .10086 | .50750 | -.00005 |
| #2 | -.00674 | -.00386 | .13416 | .00097 | -.00049 | .12749 | .50714 | .00005  |
| #3 | -.00265 | -.00536 | .13395 | .00490 | .00076  | .08579 | .50138 | -.00001 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .04552 | 5.8541 | .00198 | .00132 | .00414 | .32560 | .10381 | .33681 |
| Stddev | .00023 | .0460  | .00021 | .00012 | .00015 | .00766 | .00159 | .06999 |
| %RSD   | .51596 | .78606 | 10.613 | 9.0614 | 3.6675 | 2.3516 | 1.5311 | 20.780 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .04578 | 5.8378 | .00218 | .00118 | .00401 | .33259 | .10535 | .30828 |
| #2 | .04535 | 5.8185 | .00176 | .00138 | .00431 | .32680 | .10391 | .28559 |
| #3 | .04542 | 5.9061 | .00200 | .00140 | .00410 | .31742 | .10217 | .41656 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00481 | -.00067 | 328.24 | -.00018 | 18.562 | .69916 | -.00299 | .09394 |
| Stddev | .00035 | .00050  | 2.26   | .00033  | .033   | .02072 | .00025  | .00691 |
| %RSD   | 7.3815 | 74.786  | .68771 | 177.46  | .17553 | 2.9634 | 8.3599  | 7.3570 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00477 | -.00060 | 328.39 | -.00031 | 18.592 | .69070 | -.00293 | .08782 |
| #2 | .00447 | -.00120 | 330.42 | -.00043 | 18.527 | .68401 | -.00278 | .10143 |
| #3 | .00518 | -.00021 | 325.91 | .00019  | 18.566 | .72277 | -.00327 | .09256 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .49661 | .17334 | .00168 | .00151 | -.00372 | .0310  | .07507 | 4.0692 |
| Stddev | .02043 | .00726 | .00047 | .00286 | .00341  | .0018  | .00030 | .2339  |
| %RSD   | 4.1132 | 4.1881 | 28.002 | 189.76 | 91.744  | 5.900  | .39727 | 5.7475 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .51541 | .18172 | .00216 | .00423  | -.00603 | .0306 | .07489 | 3.8282 |
| #2 | .47488 | .16883 | .00122 | -.00147 | .00020  | .0294 | .07491 | 4.0840 |
| #3 | .49954 | .16948 | .00166 | .00177  | -.00532 | .0330 | .07542 | 4.2953 |

Sample Name: K1666-03      Acquired: 3/2/2019 3:21:58      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-C      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 32.998 |
| Stddev | 5.086  |
| %RSD   | 15.412 |

|    |        |
|----|--------|
| #1 | 27.848 |
| #2 | 33.130 |
| #3 | 38.017 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3605.3 | 39826. | 3648.0 | 15.794 | 3701.3 |
| Stddev    | 8.1    | 70.    | 25.9   | .530   | 8.8    |
| %RSD      | .22345 | .17612 | .70907 | 3.3587 | .23677 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3607.3 | 39755. | 3621.7 | 15.933 | 3691.9 |
| #2 | 3596.4 | 39895. | 3648.8 | 16.242 | 3709.2 |
| #3 | 3612.2 | 39828. | 3673.4 | 15.208 | 3702.8 |

Sample Name: K1666-04      Acquired: 3/2/2019 3:26:34      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-D      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |         |
|--------|---------|---------|--------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm     |
| Avg    | -.00417 | -.00298 | .37815 | .00677 | .00219 | .08784 | 1.2743 | -.00000 |
| Stddev | .00076  | .00112  | .00178 | .00146 | .00215 | .02247 | .0109  | .00006  |
| %RSD   | 18.212  | 37.569  | .47111 | 21.563 | 98.350 | 25.575 | .85462 | 1734.4  |

|    |         |         |        |        |         |        |        |         |
|----|---------|---------|--------|--------|---------|--------|--------|---------|
| #1 | -.00466 | -.00177 | .38018 | .00826 | .00260  | .09327 | 1.2867 | .00000  |
| #2 | -.00455 | -.00397 | .37687 | .00669 | -.00014 | .10709 | 1.2663 | .00005  |
| #3 | -.00329 | -.00321 | .37739 | .00535 | .00411  | .06316 | 1.2699 | -.00007 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .18940 | 8.5577 | .31099 | .00499 | .01108 | .06872 | .07211 | .61539 |
| Stddev | .00074 | .0122  | .00149 | .00017 | .00041 | .00433 | .00057 | .06772 |
| %RSD   | .39221 | .14301 | .47821 | 3.3204 | 3.7402 | 6.3059 | .78506 | 11.004 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .18967 | 8.5436 | .31233 | .00493 | .01131 | .07189 | .07276 | .69101 |
| #2 | .18996 | 8.5651 | .31125 | .00518 | .01134 | .06378 | .07181 | .59483 |
| #3 | .18855 | 8.5645 | .30939 | .00487 | .01061 | .07048 | .07176 | .56034 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00549 | -.00080 | 306.57 | .00007 | 33.860 | 1.4791 | -.00603 | .28320 |
| Stddev | .00026 | .00042  | 3.14   | .00048 | .094   | .0309  | .00002  | .00339 |
| %RSD   | 4.6679 | 52.901  | 1.0257 | 679.90 | .27660 | 2.0894 | .36052  | 1.1953 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00522 | -.00120 | 309.83 | -.00033 | 33.950 | 1.5130 | -.00603 | .28657 |
| #2 | .00573 | -.00084 | 303.55 | -.00006 | 33.866 | 1.4525 | -.00601 | .28324 |
| #3 | .00553 | -.00036 | 306.32 | .00060  | 33.763 | 1.4718 | -.00605 | .27980 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.7138 | .20516 | .00128 | .00092 | -.00486 | .0990  | .13518 | 4.2422 |
| Stddev | .0128  | .01487 | .00017 | .00084 | .00484  | .0007  | .00041 | .2319  |
| %RSD   | .74862 | 7.2457 | 13.331 | 91.818 | 99.618  | .6620  | .30146 | 5.4678 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | 1.7009 | .21601 | .00120 | .00011 | -.01043 | .0997 | .13559 | 3.9747 |
| #2 | 1.7139 | .18821 | .00117 | .00085 | -.00162 | .0989 | .13517 | 4.3647 |
| #3 | 1.7265 | .21125 | .00148 | .00180 | -.00254 | .0983 | .13478 | 4.3873 |

Sample Name: K1666-04      Acquired: 3/2/2019 3:26:34      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-D      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      37.492  
 Stddev      4.278  
 %RSD      11.410

#1      36.104  
 #2      42.292  
 #3      34.081

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3592.9 | 39926. | 3655.2 | 17.408 | 3714.2 |
| Stddev    | 18.0   | 45.    | 37.7   | .738   | 10.9   |
| %RSD      | .50112 | .11215 | 1.0318 | 4.2383 | .29339 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3604.7 | 39968. | 3617.6 | 17.383 | 3708.6 |
| #2 | 3572.2 | 39879. | 3693.1 | 18.158 | 3707.3 |
| #3 | 3601.9 | 39931. | 3654.9 | 16.683 | 3726.8 |

Sample Name: K1666-05      Acquired: 3/2/2019 3:31:07      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-E      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00435 | -.00437 | .16824 | .00694 | .00268 | .07535 | .40169 | .00001 |
| Stddev | .00263  | .00002  | .00142 | .00314 | .00290 | .01323 | .00576 | .00001 |
| %RSD   | 60.450  | .52535  | .84245 | 45.165 | 108.07 | 17.560 | 1.4345 | 102.54 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00556 | -.00439 | .16986 | .00635 | .00134 | .07394 | .39929 | .00001 |
| #2 | -.00617 | -.00437 | .16722 | .00415 | .00601 | .08923 | .39752 | .00000 |
| #3 | -.00133 | -.00434 | .16765 | .01034 | .00070 | .06288 | .40826 | .00002 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00773 | 8.9218 | .00640 | .00032 | .00307 | .13514 | .02973 | .22853 |
| Stddev | .00014 | .0674  | .00015 | .00011 | .00045 | .00108 | .00010 | .06371 |
| %RSD   | 1.7675 | .75564 | 2.3943 | 33.911 | 14.541 | .79665 | .33890 | 27.876 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00770 | 8.8619 | .00653 | .00035 | .00292 | .13638 | .02970 | .15566 |
| #2 | .00761 | 8.9087 | .00643 | .00041 | .00357 | .13443 | .02964 | .27365 |
| #3 | .00788 | 8.9948 | .00623 | .00020 | .00272 | .13461 | .02984 | .25629 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00439 | -.00088 | 301.67 | -.00006 | 3.7827 | .52247 | -.00037 | .03713 |
| Stddev | .00050 | .00028  | 4.99   | .00021  | .0181  | .01334 | .00024  | .00516 |
| %RSD   | 11.264 | 32.005  | 1.6557 | 334.49  | .47785 | 2.5541 | 66.354  | 13.893 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00477 | -.00059 | 305.25 | -.00004 | 3.8011 | .51137 | -.00040 | .03612 |
| #2 | .00458 | -.00115 | 295.96 | -.00029 | 3.7649 | .53728 | -.00059 | .04272 |
| #3 | .00383 | -.00089 | 303.79 | .00014  | 3.7821 | .51878 | -.00011 | .03256 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .40725 | .10320 | .00119 | .00035 | -.00637 | .0036  | .02926 | 3.9931 |
| Stddev | .01824 | .00654 | .00070 | .00177 | .00434  | .0020  | .00005 | .2002  |
| %RSD   | 4.4788 | 6.3375 | 59.030 | 506.68 | 68.240  | 54.01  | .17666 | 5.0141 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .40856 | .10948 | .00050 | .00225  | -.01099 | .0029 | .02929 | 4.0480 |
| #2 | .42480 | .09643 | .00190 | .00005  | -.00237 | .0058 | .02920 | 4.1602 |
| #3 | .38839 | .10369 | .00118 | -.00126 | -.00574 | .0021 | .02929 | 3.7712 |



Sample Name: K1666-05      Acquired: 3/2/2019 3:31:07      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-E      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 33.151 |
| Stddev | 1.936  |
| %RSD   | 5.8406 |

|    |        |
|----|--------|
| #1 | 34.292 |
| #2 | 30.916 |
| #3 | 34.245 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3603.8 | 39968. | 3677.8 | 17.117 | 3749.0 |
| Stddev    | 8.9    | 186.   | 55.6   | 1.007  | 22.6   |
| %RSD      | .24745 | .46630 | 1.5114 | 5.8805 | .60303 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3594.1 | 39808. | 3649.7 | 16.242 | 3725.2 |
| #2 | 3605.8 | 39923. | 3741.8 | 16.892 | 3770.2 |
| #3 | 3611.6 | 40173. | 3641.8 | 18.217 | 3751.6 |

Sample Name: K1666-06      Acquired: 3/2/2019 3:35:45      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-F      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00595 | -.00269 | .11259 | .00582 | .00051 | .09859 | .23656 | .00012 |
| Stddev | .00132  | .00175  | .00131 | .00225 | .00079 | .02791 | .00708 | .00006 |
| %RSD   | 22.217  | 65.217  | 1.1594 | 38.563 | 156.70 | 28.312 | 2.9929 | 47.444 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00449 | -.00440 | .11220 | .00337 | -.00025 | .08932 | .24459 | .00019 |
| #2 | -.00629 | -.00276 | .11152 | .00633 | .00133  | .12995 | .23122 | .00008 |
| #3 | -.00706 | -.00090 | .11404 | .00777 | .00044  | .07649 | .23386 | .00010 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00694 | 4.3361 | .02471 | .00086 | .00480 | .11065 | .04489 | .27347 |
| Stddev | .00005 | .0102  | .00056 | .00012 | .00019 | .00269 | .00031 | .08282 |
| %RSD   | .72371 | .23437 | 2.2622 | 13.947 | 4.0108 | 2.4306 | .68681 | 30.285 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00694 | 4.3274 | .02524 | .00074 | .00466 | .11139 | .04482 | .36425 |
| #2 | .00688 | 4.3337 | .02413 | .00085 | .00472 | .10767 | .04462 | .20204 |
| #3 | .00698 | 4.3473 | .02476 | .00098 | .00502 | .11289 | .04522 | .25411 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00533 | -.00124 | 370.08 | -.00034 | 2.9287 | .58713 | -.00010 | .03687 |
| Stddev | .00021 | .00019  | 1.29   | .00015  | .0194  | .03322 | .00031  | .00886 |
| %RSD   | 4.0298 | 14.997  | .34728 | 45.533  | .66311 | 5.6587 | 316.20  | 24.030 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00554 | -.00134 | 371.56 | -.00047 | 2.9240 | .57486 | -.00031 | .02998 |
| #2 | .00511 | -.00103 | 369.30 | -.00017 | 2.9121 | .56178 | -.00024 | .04686 |
| #3 | .00536 | -.00135 | 369.38 | -.00038 | 2.9501 | .62474 | .00026  | .03376 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .31527 | .22266 | .00083 | .00188 | -.00399 | .0065  | .01233 | 4.1688 |
| Stddev | .01000 | .00300 | .00032 | .00175 | .00061  | .0016  | .00007 | .1915  |
| %RSD   | 3.1724 | 1.3464 | 39.198 | 93.102 | 15.290  | 24.39  | .57795 | 4.5940 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .30910 | .22536 | .00053 | .00147 | -.00342 | .0083 | .01225 | 4.2049 |
| #2 | .32681 | .22317 | .00117 | .00037 | -.00392 | .0055 | .01239 | 4.3398 |
| #3 | .30989 | .21943 | .00078 | .00380 | -.00463 | .0056 | .01235 | 3.9619 |

Sample Name: K1666-06      Acquired: 3/2/2019 3:35:45      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-F      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 43.257 |
| Stddev | 5.025  |
| %RSD   | 11.616 |

|    |        |
|----|--------|
| #1 | 48.092 |
| #2 | 43.619 |
| #3 | 38.061 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3601.2 | 39631. | 3618.6 | 16.850 | 3703.9 |
| Stddev    | 24.4   | 106.   | 18.0   | 1.607  | 25.7   |
| %RSD      | .67755 | .26639 | .49861 | 9.5387 | .69427 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3601.6 | 39533. | 3597.8 | 17.517 | 3705.9 |
| #2 | 3625.5 | 39616. | 3629.4 | 15.017 | 3728.5 |
| #3 | 3576.7 | 39743. | 3628.7 | 18.017 | 3677.2 |

Sample Name: K1666-07      Acquired: 3/2/2019 3:40:21      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-G      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00426 | -.00335 | .47203 | .00574 | .00216 | .20258 | .66174 | .00012 |
| Stddev | .00178  | .00098  | .00264 | .00379 | .00054 | .01440 | .00667 | .00009 |
| %RSD   | 41.861  | 29.288  | .55879 | 66.010 | 24.781 | 7.1074 | 1.0075 | 76.540 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00265 | -.00223 | .47376 | .00950 | .00156 | .19578 | .66855 | .00010 |
| #2 | -.00618 | -.00407 | .46900 | .00192 | .00259 | .19285 | .65523 | .00021 |
| #3 | -.00395 | -.00376 | .47334 | .00581 | .00234 | .21912 | .66145 | .00003 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .08358 | 9.6662 | .01699 | .00496 | .00719 | .14156 | .14338 | .59006 |
| Stddev | .00057 | .0386  | .00084 | .00044 | .00043 | .00363 | .00259 | .01265 |
| %RSD   | .68608 | .39909 | 4.9167 | 8.9528 | 5.9192 | 2.5664 | 1.8090 | 2.1442 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08364 | 9.6606 | .01626 | .00449 | .00741 | .14452 | .14185 | .58822 |
| #2 | .08298 | 9.7072 | .01790 | .00502 | .00746 | .14266 | .14637 | .60353 |
| #3 | .08412 | 9.6307 | .01680 | .00538 | .00670 | .13751 | .14191 | .57842 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00645 | -.00038 | 304.85 | -.00050 | 28.671 | 1.1837 | -.00463 | .18134 |
| Stddev | .00036 | .00050  | 2.76   | .00031  | .110   | .0290  | .00020  | .00259 |
| %RSD   | 5.5086 | 133.76  | .90635 | 62.377  | .38437 | 2.4465 | 4.3623  | 1.4295 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00605 | -.00057 | 306.77 | -.00034 | 28.709 | 1.1526 | -.00476 | .17888 |
| #2 | .00658 | -.00076 | 306.11 | -.00087 | 28.547 | 1.2098 | -.00439 | .18109 |
| #3 | .00672 | .00019  | 301.69 | -.00031 | 28.757 | 1.1886 | -.00472 | .18405 |

|        |        |        |        |         |         |        |        |        |
|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361  | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm     | ppm    | ppm    | ppm    |
| Avg    | .99321 | .61493 | .00146 | -.00012 | -.00460 | .0055  | .17221 | 3.9960 |
| Stddev | .02566 | .01534 | .00059 | .00136  | .00284  | .0011  | .00048 | .3811  |
| %RSD   | 2.5835 | 2.4947 | 40.402 | 1097.4  | 61.707  | 19.14  | .27867 | 9.5366 |

|    |        |        |        |         |         |       |        |        |
|----|--------|--------|--------|---------|---------|-------|--------|--------|
| #1 | .97991 | .61143 | .00099 | -.00160 | -.00646 | .0050 | .17272 | 4.4226 |
| #2 | .97693 | .63172 | .00127 | .00016  | -.00602 | .0067 | .17212 | 3.6893 |
| #3 | 1.0228 | .60164 | .00212 | .00107  | -.00133 | .0048 | .17177 | 3.8760 |

Sample Name: K1666-07      Acquired: 3/2/2019 3:40:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-G      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 36.521 |
| Stddev | 5.676  |
| %RSD   | 15.542 |

|    |        |
|----|--------|
| #1 | 37.324 |
| #2 | 30.486 |
| #3 | 41.752 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3588.6 | 39968. | 3657.0 | 16.108 | 3706.1 |
| Stddev    | 11.0   | 224.   | 41.3   | .427   | 11.0   |
| %RSD      | .30723 | .56071 | 1.1297 | 2.6536 | .29608 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3577.7 | 39725. | 3619.9 | 16.600 | 3697.0 |
| #2 | 3599.7 | 40015. | 3649.6 | 15.825 | 3718.3 |
| #3 | 3588.2 | 40165. | 3701.6 | 15.900 | 3703.2 |

Sample Name: K1666-08      Acquired: 3/2/2019 3:44:55      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1: PM-H      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |        |        |        |        |        |        |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | ppm     | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00630 | -.00457 | .22025 | .00280 | .00158 | .12353 | .37470 | .00006 |
| Stddev | .00046  | .00187  | .00141 | .00078 | .00089 | .01421 | .00319 | .00004 |
| %RSD   | 7.2447  | 40.866  | .63827 | 27.750 | 56.440 | 11.504 | .85193 | 57.245 |

|    |         |         |        |        |        |        |        |        |
|----|---------|---------|--------|--------|--------|--------|--------|--------|
| #1 | -.00591 | -.00624 | .21873 | .00286 | .00071 | .11206 | .37312 | .00004 |
| #2 | -.00680 | -.00255 | .22052 | .00354 | .00249 | .13943 | .37261 | .00004 |
| #3 | -.00618 | -.00491 | .22150 | .00199 | .00153 | .11911 | .37837 | .00010 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05238 | 18.187 | .09097 | .00192 | .00935 | .40444 | .13916 | .54031 |
| Stddev | .00038 | .091   | .00057 | .00002 | .00069 | .00232 | .00050 | .08414 |
| %RSD   | .73037 | .49787 | .62597 | 1.2374 | 7.3655 | .57428 | .36222 | 15.573 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05206 | 18.274 | .09033 | .00194 | .00995 | .40474 | .13950 | .51305 |
| #2 | .05229 | 18.194 | .09140 | .00190 | .00860 | .40660 | .13939 | .63470 |
| #3 | .05281 | 18.093 | .09120 | .00193 | .00950 | .40199 | .13858 | .47318 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00395 | -.00059 | 301.69 | -.00048 | 13.646 | 1.4550 | -.00208 | .06156 |
| Stddev | .00059 | .00021  | 3.26   | .00003  | .071   | .0485  | .00013  | .02132 |
| %RSD   | 14.944 | 34.662  | 1.0820 | 5.3757  | .51698 | 3.3297 | 6.2491  | 34.643 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00406 | -.00037 | 305.40 | -.00047 | 13.598 | 1.4453 | -.00209 | .07080 |
| #2 | .00448 | -.00077 | 299.27 | -.00051 | 13.612 | 1.5076 | -.00220 | .07670 |
| #3 | .00331 | -.00064 | 300.40 | -.00047 | 13.727 | 1.4121 | -.00194 | .03717 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .62217 | .30629 | .00181 | .00352 | -.00876 | .0161  | .10204 | 4.2817 |
| Stddev | .00799 | .00280 | .00056 | .00116 | .00138  | .0011  | .00024 | .2411  |
| %RSD   | 1.2844 | .91268 | 31.038 | 32.978 | 15.744  | 7.137  | .23925 | 5.6316 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .61697 | .30897 | .00231 | .00255 | -.00817 | .0151 | .10200 | 4.1484 |
| #2 | .61818 | .30339 | .00192 | .00480 | -.01034 | .0174 | .10230 | 4.5601 |
| #3 | .63137 | .30651 | .00120 | .00319 | -.00778 | .0159 | .10181 | 4.1367 |

Sample Name: K1666-08      Acquired: 3/2/2019 3:44:55      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1: PM-H      Custom ID2:      Custom ID3:  
 Comment:

Elem      U\_3859  
 Units      ppm  
 Avg      39.958  
 Stddev      3.780  
 %RSD      9.4594

#1      43.694  
 #2      40.043  
 #3      36.136

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3604.4 | 39789. | 3634.1 | 16.739 | 3695.4 |
| Stddev    | 10.0   | 259.   | 8.4    | .474   | 11.8   |
| %RSD      | .27706 | .65044 | .23018 | 2.8313 | .31888 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3602.1 | 39941. | 3624.8 | 16.858 | 3705.3 |
| #2 | 3595.8 | 39490. | 3641.1 | 16.217 | 3698.7 |
| #3 | 3615.4 | 39936. | 3636.3 | 17.142 | 3682.4 |

Sample Name: CCV18      Acquired: 3/2/2019 3:49:29      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |          |        |          |
|--------|--------|--------|--------|--------|--------|----------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961   | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 4.8435 | 4.9880 | 4.7702 | 5.0384 | 4.8533 | 9.8514   | 10.627 | .24535   |
| Stddev | .0191  | .0071  | .0177  | .0227  | .0113  | .0257    | .061   | .00020   |
| %RSD   | .39479 | .14234 | .37083 | .45107 | .23292 | .26142   | .57663 | .07968   |
| #1     | 4.8242 | 4.9945 | 4.7778 | 5.0209 | 4.8407 | 9.8632   | 10.679 | .24523   |
| #2     | 4.8438 | 4.9804 | 4.7500 | 5.0302 | 4.8567 | 9.8692   | 10.559 | .24524   |
| #3     | 4.8625 | 4.9891 | 4.7828 | 5.0641 | 4.8625 | 9.8219   | 10.643 | .24558   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.4101 | 26.174 | 1.0185 | 2.4202 | 1.2621 | F 5.5817 | 2.4517 | 26.937   |
| Stddev | .0087  | .216   | .0017  | .0099  | .0043  | .0246    | .0031  | .268     |
| %RSD   | .36083 | .82528 | .16754 | .40731 | .34424 | .44151   | .12808 | .99520   |
| #1     | 2.4129 | 26.423 | 1.0204 | 2.4239 | 1.2581 | 5.6037   | 2.4537 | 27.235   |
| #2     | 2.4003 | 26.052 | 1.0174 | 2.4090 | 1.2615 | 5.5551   | 2.4481 | 26.862   |
| #3     | 2.4170 | 26.046 | 1.0176 | 2.4275 | 1.2667 | 5.5862   | 2.4534 | 26.715   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.6896 | 1.2791 | 27.192 | 2.6883 | 2.3384 | F 28.600 | 4.8601 | 5.1679   |
| Stddev | .0133  | .0027  | .133   | .0041  | .0060  | .127     | .0168  | .0293    |
| %RSD   | .49351 | .20697 | .48784 | .15252 | .25754 | .44502   | .34594 | .56764   |
| #1     | 2.6856 | 1.2805 | 27.314 | 2.6930 | 2.3421 | 28.746   | 4.8420 | 5.2015   |
| #2     | 2.6788 | 1.2761 | 27.051 | 2.6857 | 2.3315 | 28.533   | 4.8629 | 5.1473   |
| #3     | 2.7044 | 1.2808 | 27.210 | 2.6861 | 2.3417 | 28.520   | 4.8753 | 5.1548   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 5.0513 | 5.2295 | 4.8600 | 4.9713 | 5.0231 | 5.031    | 5.0180 | F 4.2990 |
| Stddev | .0226  | .0217  | .0374  | .0283  | .0167  | .021     | .0244  | .0459    |
| %RSD   | .44687 | .41581 | .76955 | .56875 | .33310 | .4214    | .48706 | 1.0687   |
| #1     | 5.0512 | 5.2520 | 4.9014 | 5.0035 | 5.0334 | 5.044    | 5.0359 | 4.3411   |
| #2     | 5.0288 | 5.2086 | 4.8287 | 4.9504 | 5.0038 | 5.006    | 4.9901 | 4.2500   |
| #3     | 5.0739 | 5.2278 | 4.8500 | 4.9601 | 5.0320 | 5.042    | 5.0280 | 4.3059   |



Sample Name: CCV18      Acquired: 3/2/2019 3:49:29      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 12.984  
Stddev      6.534  
%RSD      50.322

#1      14.443  
#2      5.8442  
#3      18.666

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3657.5 | 40259. | 3462.8 | 16.411 | 3731.1 |
| Stddev    | 9.3    | 109.   | 12.1   | 1.156  | 11.4   |
| %RSD      | .25360 | .27005 | .34862 | 7.0447 | .30644 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3667.5 | 40214. | 3452.9 | 17.295 | 3722.0 |
| #2 | 3655.7 | 40383. | 3476.3 | 16.835 | 3744.0 |
| #3 | 3649.2 | 40179. | 3459.2 | 15.102 | 3727.4 |

Sample Name: CCB18      Acquired: 3/2/2019 3:53:31      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00079   | .00064  | -.00015 | .00023  | -.00066 | .01089  | .00009  | .00001   |
| Stddev | .00134   | .00179  | .00030  | .00245  | .00049  | .00381  | .01053  | .00001   |
| %RSD   | 169.16   | 280.56  | 198.10  | 1076.7  | 74.140  | 34.982  | 12345.  | 42.754   |
| #1     | .00232   | .00159  | -.00034 | -.00023 | -.00078 | .01428  | .00404  | .00002   |
| #2     | .00019   | .00176  | .00019  | .00288  | -.00107 | .01162  | .00806  | .00001   |
| #3     | -.00014  | -.00143 | -.00030 | -.00197 | -.00012 | .00677  | -.01185 | .00001   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | .00010   | -.01041 | -.00019 | -.00014 | .00011  | -.00060 | .00000  | .04790   |
| Stddev | .00006   | .01617  | .00047  | .00006  | .00020  | .00071  | .00002  | .05646   |
| %RSD   | 64.627   | 155.33  | 253.20  | 39.307  | 180.82  | 119.49  | 1036.7  | 117.87   |
| #1     | .00010   | -.02905 | -.00069 | -.00019 | .00017  | -.00037 | .00002  | .11107   |
| #2     | .00016   | -.00017 | .00024  | -.00016 | -.00011 | -.00139 | -.00002 | .03025   |
| #3     | .00003   | -.00200 | -.00011 | -.00008 | .00028  | -.00002 | .00001  | .00237   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00046  | -.00034 | .09768  | -.00024 | -.00026 | .02036  | .00005  | .01653   |
| Stddev | .00013   | .00054  | .00414  | .00043  | .00006  | .04315  | .00024  | .00632   |
| %RSD   | 28.079   | 161.68  | 4.2343  | 175.24  | 21.246  | 211.97  | 532.84  | 38.214   |
| #1     | -.00058  | -.00083 | .10225  | .00022  | -.00031 | .01064  | -.00022 | .02366   |
| #2     | -.00048  | -.00043 | .09660  | -.00063 | -.00028 | -.01711 | .00026  | .01163   |
| #3     | -.00032  | .00025  | .09420  | -.00033 | -.00020 | .06753  | .00010  | .01430   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .03663 | .00124  | .00053  | -.00095 | -.00999 | .0040   | .00002  | F 3.1864 |
| Stddev | .01536   | .00186  | .00114  | .00102  | .00296  | .0005   | .00012  | .1704    |
| %RSD   | 41.921   | 149.53  | 216.63  | 107.54  | 29.603  | 12.81   | 589.50  | 5.3470   |
| #1     | .04756   | .00181  | -.00060 | -.00198 | -.00844 | .0036   | .00014  | 3.0329   |
| #2     | .01907   | -.00083 | .00168  | .00007  | -.00813 | .0046   | .00004  | 3.3697   |
| #3     | .04325   | .00276  | .00049  | -.00094 | -.01340 | .0039   | -.00011 | 3.1565   |

Sample Name: CCB18      Acquired: 3/2/2019 3:53:31      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 6.4526  
Stddev      6.6399  
%RSD      102.90

#1      12.888  
#2      -.37425  
#3      6.8438

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3737.0 | 41713. | 3544.9 | 16.519 | 4122.8 |
| Stddev    | 18.0   | 158.   | 40.8   | 1.039  | 6.3    |
| %RSD      | .48104 | .37771 | 1.1500 | 6.2864 | .15236 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3757.3 | 41681. | 3531.7 | 15.325 | 4118.1 |
| #2 | 3723.0 | 41574. | 3590.6 | 17.025 | 4120.2 |
| #3 | 3730.8 | 41884. | 3512.3 | 17.208 | 4129.9 |

Sample Name: K1666-08DUP      Acquired: 3/2/2019 3:58:02      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00368 | -.00398 | .21974 | .00399 | .00008 | .13092 | .37340 | .00006 |
| Stddev | .00162  | .00094  | .00312 | .00110 | .00197 | .01918 | .00594 | .00005 |
| %RSD   | 44.116  | 23.581  | 1.4212 | 27.529 | 2456.4 | 14.652 | 1.5910 | 81.580 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00499 | -.00299 | .21923 | .00524 | -.00093 | .11484 | .37634 | .00003 |
| #2 | -.00418 | -.00486 | .22309 | .00354 | .00235  | .15215 | .37730 | .00003 |
| #3 | -.00186 | -.00410 | .21691 | .00318 | -.00118 | .12577 | .36657 | .00011 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .05206 | 18.353 | .09270 | .00218 | .00886 | .40550 | .14158 | .53140 |
| Stddev | .00069 | .025   | .00052 | .00025 | .00028 | .00304 | .00068 | .02518 |
| %RSD   | 1.3272 | .13659 | .55584 | 11.654 | 3.2076 | .74920 | .48355 | 4.7382 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05184 | 18.325 | .09235 | .00235 | .00919 | .40652 | .14162 | .51024 |
| #2 | .05283 | 18.373 | .09329 | .00189 | .00867 | .40790 | .14224 | .52472 |
| #3 | .05150 | 18.362 | .09246 | .00231 | .00872 | .40209 | .14088 | .55925 |

|        |        |         |        |         |        |        |         |        |
|--------|--------|---------|--------|---------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924  | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm     | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00400 | -.00083 | 306.02 | -.00005 | 13.611 | 1.4420 | -.00205 | .06677 |
| Stddev | .00010 | .00071  | 1.59   | .00085  | .099   | .0266  | .00016  | .00373 |
| %RSD   | 2.6087 | 85.235  | .51925 | 1668.4  | .72765 | 1.8438 | 7.8330  | 5.5807 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00412 | -.00013 | 307.69 | -.00092 | 13.578 | 1.4290 | -.00222 | .06822 |
| #2 | .00395 | -.00082 | 305.85 | -.00002 | 13.722 | 1.4245 | -.00204 | .06253 |
| #3 | .00394 | -.00154 | 304.53 | .00079  | 13.532 | 1.4726 | -.00190 | .06955 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .61245 | .32798 | .00209 | .00322 | -.00513 | .0158  | .10269 | 4.2397 |
| Stddev | .04323 | .01913 | .00022 | .00105 | .00166  | .0013  | .00015 | .0939  |
| %RSD   | 7.0580 | 5.8313 | 10.338 | 32.625 | 32.404  | 8.041  | .14995 | 2.2152 |

|    |        |        |        |        |         |       |        |        |
|----|--------|--------|--------|--------|---------|-------|--------|--------|
| #1 | .65329 | .33019 | .00218 | .00336 | -.00704 | .0172 | .10272 | 4.3269 |
| #2 | .61689 | .34591 | .00184 | .00419 | -.00414 | .0147 | .10282 | 4.1402 |
| #3 | .56718 | .30785 | .00225 | .00210 | -.00420 | .0155 | .10252 | 4.2520 |

Sample Name: K1666-08DUP      Acquired: 3/2/2019 3:58:02      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 45.632 |
| Stddev | 7.704  |
| %RSD   | 16.884 |

|    |        |
|----|--------|
| #1 | 37.121 |
| #2 | 52.131 |
| #3 | 47.644 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3584.2 | 39292. | 3600.8 | 16.653 | 3690.4 |
| Stddev    | 30.2   | 43.    | 25.2   | 1.199  | 27.9   |
| %RSD      | .84346 | .10976 | .69853 | 7.1993 | .75676 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3595.0 | 39328. | 3572.8 | 17.458 | 3697.7 |
| #2 | 3550.0 | 39302. | 3608.2 | 15.275 | 3659.5 |
| #3 | 3607.5 | 39244. | 3621.4 | 17.225 | 3713.9 |

Sample Name: K1666-08LX5      Acquired: 3/2/2019 4:02:36      Type: Unk  
Method: P4-ICP2(v2905)      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    | -.00166 | -.00003 | .04560 | .00539 | -.00023 | .02787 | .07703 | .00009 |
| Stddev | .00192  | .00052  | .00166 | .00096 | .00068  | .01622 | .00400 | .00004 |
| %RSD   | 115.38  | 1945.2  | 3.6489 | 17.777 | 295.25  | 58.185 | 5.1957 | 45.412 |

|    |         |         |        |        |         |        |        |        |
|----|---------|---------|--------|--------|---------|--------|--------|--------|
| #1 | -.00044 | .00051  | .04411 | .00553 | -.00098 | .00960 | .07254 | .00013 |
| #2 | -.00068 | -.00008 | .04530 | .00437 | .00033  | .03347 | .07832 | .00010 |
| #3 | -.00387 | -.00051 | .04740 | .00628 | -.00004 | .04056 | .08022 | .00005 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .01077 | 3.8319 | .01851 | .00045 | .00197 | .08767 | .02889 | .16210 |
| Stddev | .00007 | .0230  | .00041 | .00003 | .00029 | .00074 | .00024 | .07495 |
| %RSD   | .64011 | .59917 | 2.1929 | 5.7717 | 14.663 | .83837 | .84680 | 46.239 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01069 | 3.8117 | .01847 | .00045 | .00190 | .08847 | .02892 | .23794 |
| #2 | .01083 | 3.8272 | .01893 | .00048 | .00173 | .08702 | .02912 | .16029 |
| #3 | .01078 | 3.8569 | .01812 | .00042 | .00229 | .08753 | .02863 | .08806 |

|        |        |         |        |        |        |        |         |        |
|--------|--------|---------|--------|--------|--------|--------|---------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020  | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    |
| Avg    | .00023 | -.00085 | 63.736 | .00003 | 2.9373 | .36735 | -.00042 | .02036 |
| Stddev | .00018 | .00071  | .574   | .00059 | .0170  | .03541 | .00033  | .00644 |
| %RSD   | 77.754 | 83.368  | .90082 | 2260.0 | .58034 | 9.6402 | 78.237  | 31.625 |

|    |        |         |        |         |        |        |         |        |
|----|--------|---------|--------|---------|--------|--------|---------|--------|
| #1 | .00018 | -.00167 | 64.380 | -.00010 | 2.9260 | .40400 | -.00025 | .01400 |
| #2 | .00008 | -.00048 | 63.551 | -.00049 | 2.9291 | .36475 | -.00080 | .02688 |
| #3 | .00043 | -.00041 | 63.277 | .00067  | 2.9569 | .33331 | -.00021 | .02021 |

|        |        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707  | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .13806 | .06838 | .00033 | .00133 | -.00544 | .0051  | .02122 | 3.2917 |
| Stddev | .00268 | .00395 | .00104 | .00158 | .00137  | .0005  | .00023 | .1192  |
| %RSD   | 1.9433 | 5.7741 | 319.52 | 118.50 | 25.121  | 9.464  | 1.0692 | 3.6213 |

|    |        |        |         |         |         |       |        |        |
|----|--------|--------|---------|---------|---------|-------|--------|--------|
| #1 | .13533 | .06977 | -.00003 | .00301  | -.00457 | .0057 | .02099 | 3.3725 |
| #2 | .14069 | .07144 | -.00049 | -.00011 | -.00702 | .0050 | .02144 | 3.3479 |
| #3 | .13816 | .06393 | .00150  | .00109  | -.00474 | .0047 | .02122 | 3.1548 |

Sample Name: K1666-08LX5      Acquired: 3/2/2019 4:02:36      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 17.751 |
| Stddev | 1.301  |
| %RSD   | 7.3271 |

|    |        |
|----|--------|
| #1 | 18.019 |
| #2 | 18.897 |
| #3 | 16.337 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3725.0 | 41468. | 3610.7 | 16.513 | 3954.1 |
| Stddev    | 9.4    | 150.   | 42.0   | .387   | 13.4   |
| %RSD      | .25348 | .36143 | 1.1634 | 2.3407 | .34002 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3734.8 | 41304. | 3565.2 | 16.894 | 3966.5 |
| #2 | 3724.3 | 41505. | 3618.8 | 16.122 | 3956.0 |
| #3 | 3716.0 | 41597. | 3648.1 | 16.524 | 3939.8 |

Sample Name: K1666-08MS      Acquired: 3/2/2019 4:07:04      Type: Unk  
Method: P4-ICP2(v2905)      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    | .88074 | 2.1925 | 1.2614 | 2.3354 | .89391 | 2.4819 | .61507 |
| Stddev | .00383 | .0094  | .0109  | .0048  | .00108 | .0431  | .00184 |
| %RSD   | .43475 | .43020 | .86273 | .20593 | .12101 | 1.7377 | .29903 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .88436 | 2.1828 | 1.2512 | 2.3369 | .89499 | 2.4327 | .61639 |
| #2 | .87673 | 2.2016 | 1.2729 | 2.3300 | .89283 | 2.5129 | .61584 |
| #3 | .88114 | 2.1931 | 1.2599 | 2.3393 | .89391 | 2.5002 | .61297 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .22285 | .26876 | 19.466 | .55719 | .22423 | .35087 | 3.8155 |
| Stddev | .00045 | .00187 | .132   | .00207 | .00162 | .00266 | .0717  |
| %RSD   | .20396 | .69642 | .67881 | .37231 | .72267 | .75942 | 1.8789 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .22238 | .26698 | 19.596 | .55486 | .22246 | .34906 | 3.8924 |
| #2 | .22288 | .27071 | 19.332 | .55787 | .22563 | .34962 | 3.7505 |
| #3 | .22329 | .26858 | 19.470 | .55884 | .22461 | .35393 | 3.8035 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .35742 | 2.6950 | .57264 | .08353 | 302.10 | .36230 | 13.561 |
| Stddev | .00038 | .0455  | .00373 | .00038 | 4.12   | .00157 | .057   |
| %RSD   | .10620 | 1.6884 | .65145 | .45869 | 1.3646 | .43276 | .42194 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .35713 | 2.6756 | .56863 | .08395 | 305.28 | .36411 | 13.503 |
| #2 | .35727 | 2.6624 | .57600 | .08320 | 297.45 | .36142 | 13.617 |
| #3 | .35785 | 2.7470 | .57330 | .08345 | 303.59 | .36137 | 13.564 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.564 | .44605 | .40681 | .59486 | 1.3350 | .75313 | .21937 |
| Stddev | .044   | .00110 | .01691 | .00771 | .0190  | .00489 | .00162 |
| %RSD   | .32572 | .24746 | 4.1563 | 1.2961 | 1.4208 | .64987 | .73924 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.611 | .44583 | .41763 | .58623 | 1.3569 | .74760 | .21775 |
| #2 | 13.559 | .44508 | .41546 | .60108 | 1.3240 | .75692 | .22099 |
| #3 | 13.523 | .44725 | .38732 | .59726 | 1.3241 | .75486 | .21938 |



Sample Name: K1666-08MS      Acquired: 3/2/2019 4:07:04      Type: Unk  
Method: P4-ICP2(v2905)      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       | .23765 | 6.982  | .32625 | 4.6094 | F<.00000 |
| Stddev    | .00146 | .033   | .00043 | .1083  | 5.9283   |
| %RSD      | .61348 | .4693  | .13230 | 2.3500 | 11.636   |
| #1        | .23790 | 6.953  | .32674 | 4.5146 | -55.336  |
| #2        | .23896 | 7.018  | .32607 | 4.7275 | -53.301  |
| #3        | .23608 | 6.974  | .32594 | 4.5863 | -44.203  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3583.1 | 39676. | 3594.6 | 16.006 | 3653.8   |
| Stddev    | 11.7   | 124.   | 46.7   | .860   | 12.5     |
| %RSD      | .32692 | .31361 | 1.2993 | 5.3729 | .34146   |
| #1        | 3578.4 | 39784. | 3541.4 | 16.067 | 3663.6   |
| #2        | 3596.5 | 39540. | 3628.8 | 16.833 | 3639.7   |
| #3        | 3574.6 | 39703. | 3613.5 | 15.117 | 3657.9   |

Sample Name: K1666-08MSD      Acquired: 3/2/2019 4:11:23      Type: Unk  
Method: P4-ICP2(v2905)      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    | .84578 | 2.0913 | 1.2193 | 2.2475 | .86177 | 2.3803 | .61337 |
| Stddev | .00539 | .0081  | .0053  | .0002  | .00495 | .0362  | .01243 |
| %RSD   | .63698 | .38868 | .43446 | .01072 | .57469 | 1.5228 | 2.0271 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .84381 | 2.0898 | 1.2146 | 2.2473 | .85753 | 2.3476 | .62575 |
| #2 | .84165 | 2.0840 | 1.2182 | 2.2477 | .86057 | 2.3741 | .61349 |
| #3 | .85188 | 2.1000 | 1.2250 | 2.2476 | .86722 | 2.4193 | .60089 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21461 | .25998 | 19.654 | .54034 | .21511 | .33804 | 3.6748 |
| Stddev | .00105 | .00049 | .061   | .00162 | .00087 | .00205 | .0582  |
| %RSD   | .48800 | .18692 | .30796 | .29897 | .40651 | .60578 | 1.5825 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21410 | .26013 | 19.704 | .53904 | .21529 | .33764 | 3.7183 |
| #2 | .21581 | .25943 | 19.671 | .54215 | .21416 | .33622 | 3.6974 |
| #3 | .21391 | .26037 | 19.586 | .53984 | .21589 | .34026 | 3.6087 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .35238 | 2.5653 | .54782 | .07953 | 307.93 | .34878 | 13.683 |
| Stddev | .00067 | .0923  | .00233 | .00083 | 2.88   | .00255 | .060   |
| %RSD   | .18957 | 3.5985 | .42519 | 1.0453 | .93604 | .72994 | .43493 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .35165 | 2.4593 | .54832 | .07960 | 309.49 | .34961 | 13.632 |
| #2 | .35296 | 2.6085 | .54528 | .08032 | 309.70 | .34592 | 13.669 |
| #3 | .35254 | 2.6280 | .54985 | .07866 | 304.61 | .35080 | 13.749 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.087 | .42915 | .38978 | .61313 | 1.2910 | .72022 | .21410 |
| Stddev | .027   | .00308 | .00779 | .02912 | .0220  | .00107 | .00477 |
| %RSD   | .20946 | .71754 | 1.9980 | 4.7489 | 1.7002 | .14806 | 2.2298 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.085 | .42750 | .38756 | .58930 | 1.3030 | .71944 | .21380 |
| #2 | 13.115 | .42725 | .38333 | .60449 | 1.3044 | .71980 | .21902 |
| #3 | 13.061 | .43270 | .39843 | .64558 | 1.2657 | .72144 | .20948 |

Sample Name: K1666-08MSD      Acquired: 3/2/2019 4:11:23      Type: Unk  
Method: P4-ICP2(v2905)      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       | .22689 | 6.648  | .31848 | 4.4428 | F<.00000 |
| Stddev    | .00321 | .002   | .00067 | .1122  | 4.0489   |
| %RSD      | 1.4142 | .0300  | .20899 | 2.5246 | 9.2842   |
| #1        | .22814 | 6.648  | .31922 | 4.5530 | -43.958  |
| #2        | .22324 | 6.646  | .31794 | 4.4468 | -39.400  |
| #3        | .22928 | 6.650  | .31828 | 4.3288 | -47.475  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3600.2 | 39830. | 3619.9 | 16.772 | 3697.4   |
| Stddev    | 23.3   | 84.    | 53.3   | .782   | 13.1     |
| %RSD      | .64775 | .21002 | 1.4730 | 4.6647 | .35441   |
| #1        | 3619.0 | 39777. | 3580.2 | 16.350 | 3706.9   |
| #2        | 3607.4 | 39786. | 3599.1 | 17.675 | 3703.0   |
| #3        | 3574.1 | 39926. | 3680.5 | 16.292 | 3682.5   |

Sample Name: K1666-08A      Acquired: 3/2/2019 4:15:41      Type: Unk  
Method: P4-ICP2(v2905)      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    | .85505 | 2.1326 | 1.2392 | 2.2789 | .87405 | 2.4757 | .62396 |
| Stddev | .00482 | .0165  | .0119  | .0213  | .01064 | .0359  | .00156 |
| %RSD   | .56404 | .77562 | .96134 | .93233 | 1.2176 | 1.4479 | .25047 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .85169 | 2.1193 | 1.2265 | 2.2698 | .86976 | 2.4826 | .62250 |
| #2 | .85288 | 2.1275 | 1.2410 | 2.2637 | .86623 | 2.4369 | .62561 |
| #3 | .86058 | 2.1511 | 1.2502 | 2.3032 | .88617 | 2.5076 | .62379 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .21714 | .26450 | 19.666 | .54610 | .21864 | .34248 | 3.6752 |
| Stddev | .00070 | .00181 | .076   | .00218 | .00174 | .00291 | .0555  |
| %RSD   | .32261 | .68305 | .38545 | .39973 | .79749 | .85111 | 1.5111 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .21634 | .26276 | 19.723 | .54358 | .21669 | .34114 | 3.7050 |
| #2 | .21740 | .26436 | 19.695 | .54735 | .21918 | .34047 | 3.7095 |
| #3 | .21767 | .26637 | 19.580 | .54737 | .22006 | .34582 | 3.6111 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .35369 | 2.6134 | .55793 | .08073 | 299.97 | .35251 | 13.610 |
| Stddev | .00124 | .1318  | .00320 | .00085 | 4.83   | .00171 | .039   |
| %RSD   | .35178 | 5.0417 | .57363 | 1.0556 | 1.6115 | .48505 | .28460 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .35226 | 2.4619 | .55563 | .08046 | 302.41 | .35382 | 13.565 |
| #2 | .35454 | 2.6770 | .55657 | .08004 | 303.09 | .35058 | 13.633 |
| #3 | .35427 | 2.7013 | .56159 | .08168 | 294.40 | .35313 | 13.632 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 13.326 | .43384 | .39780 | .59583 | 1.2880 | .73421 | .21827 |
| Stddev | .015   | .00259 | .00837 | .01845 | .0087  | .00417 | .00410 |
| %RSD   | .11305 | .59684 | 2.1050 | 3.0965 | .67602 | .56732 | 1.8766 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 13.310 | .43398 | .39705 | .59014 | 1.2972 | .72978 | .21388 |
| #2 | 13.339 | .43118 | .38983 | .61645 | 1.2870 | .73482 | .21892 |
| #3 | 13.330 | .43636 | .40653 | .58089 | 1.2799 | .73804 | .22200 |

Sample Name: K1666-08A      Acquired: 3/2/2019 4:15:41      Type: Unk  
Method: P4-ICP2(v2905)      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       | .23382 | 6.809  | .32320 | 4.5408 | F<.00000 |
| Stddev    | .00121 | .065   | .00148 | .0708  | 9.1010   |
| %RSD      | .51692 | .9547  | .45645 | 1.5587 | 19.676   |
| #1        | .23431 | 6.746  | .32313 | 4.4935 | -45.424  |
| #2        | .23245 | 6.805  | .32472 | 4.6222 | -37.596  |
| #3        | .23471 | 6.876  | .32177 | 4.5067 | -55.741  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3614.5 | 39995. | 3674.0 | 15.778 | 3684.9   |
| Stddev    | 14.0   | 108.   | 50.5   | .634   | 10.4     |
| %RSD      | .38831 | .26929 | 1.3745 | 4.0177 | .28353   |
| #1        | 3616.3 | 40083. | 3648.8 | 15.900 | 3696.9   |
| #2        | 3627.6 | 39875. | 3641.0 | 15.092 | 3680.4   |
| #3        | 3599.7 | 40027. | 3732.1 | 16.342 | 3677.5   |

Sample Name: K1645-03DLX10      Acquired: 3/2/2019 4:19:59      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00492 | -.00766 | .07903 | -.00087 | -.01197 | 14.402 | .12272 |
| Stddev | .00225 | .00092  | .00148 | .00365  | .00098  | .075   | .00257 |
| %RSD   | 45.647 | 11.984  | 1.8692 | 417.59  | 8.1620  | .51741 | 2.0927 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00580 | -.00849 | .08004 | -.00345 | -.01087 | 14.480 | .12558 |
| #2 | .00659 | -.00782 | .07733 | -.00248 | -.01227 | 14.396 | .12200 |
| #3 | .00237 | -.00668 | .07970 | .00331  | -.01275 | 14.331 | .12059 |

|        |        |         |        |          |        |        |        |
|--------|--------|---------|--------|----------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677   | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm      | ppm    | ppm    | ppm    |
| Avg    | .00219 | -.00655 | 2.8111 | F 10.978 | .06237 | .92507 | 86.201 |
| Stddev | .00019 | .00007  | .0183  | .035     | .00021 | .00155 | .065   |
| %RSD   | 8.8868 | 1.0524  | .65138 | .31651   | .32937 | .16803 | .07586 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00214 | -.00662 | 2.8011 | 10.994 | .06249 | .92678 | 86.265 |
| #2 | .00241 | -.00654 | 2.8322 | 10.938 | .06213 | .92373 | 86.135 |
| #3 | .00203 | -.00649 | 2.7999 | 11.002 | .06248 | .92471 | 86.205 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | 1.3284 | 3.3302 | 9.3331 | -.00521 | 1.7871 | .05627 | .15351 |
| Stddev | .0006  | .1671  | .0064  | .00072  | .0127  | .00079 | .00087 |
| %RSD   | .04415 | 5.0191 | .06838 | 13.752  | .70869 | 1.4043 | .56526 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | 1.3277 | 3.4180 | 9.3404 | -.00462 | 1.7909 | .05714 | .15404 |
| #2 | 1.3288 | 3.4351 | 9.3296 | -.00601 | 1.7974 | .05561 | .15251 |
| #3 | 1.3286 | 3.1374 | 9.3292 | -.00499 | 1.7729 | .05605 | .15399 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .69794 | 1.6488 | .01633 | .24721 | .40620 | .04643 | .20665 |
| Stddev | .00461 | .0035  | .00771 | .01971 | .00609 | .00103 | .00205 |
| %RSD   | .65989 | .21417 | 47.193 | 7.9739 | 1.4985 | 2.2198 | .99265 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | .70200 | 1.6501 | .02502 | .25872 | .41245 | .04585 | .20487 |
| #2 | .69888 | 1.6514 | .01368 | .22445 | .40029 | .04581 | .20618 |
| #3 | .69293 | 1.6448 | .01030 | .25846 | .40586 | .04762 | .20890 |

Sample Name: K1645-03DLX10      Acquired: 3/2/2019 4:19:59      Type: Unk  
 Method: P4-ICP2(v2905)      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    | .00674 | .5857  | -.07811 | 3.1275 | F<.00000 |
| Stddev | .00100 | .0007  | .00023  | .4348  | 17.232   |
| %RSD   | 14.842 | .1155  | .29878  | 13.901 | 1.6044   |

|    |        |       |         |        |         |
|----|--------|-------|---------|--------|---------|
| #1 | .00717 | .5857 | -.07836 | 3.1923 | -1070.9 |
| #2 | .00559 | .5850 | -.07810 | 2.6640 | -1092.6 |
| #3 | .00745 | .5863 | -.07789 | 3.5262 | -1058.5 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3743.0 | 42143. | 3602.7 | 16.900 | 3960.8 |
| Stddev    | 3.0    | 121.   | 1.5    | .601   | 7.4    |
| %RSD      | .08039 | .28769 | .04251 | 3.5558 | .18746 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3739.9 | 42091. | 3602.3 | 17.067 | 3953.4 |
| #2 | 3743.2 | 42281. | 3601.5 | 16.233 | 3968.2 |
| #3 | 3745.9 | 42056. | 3604.4 | 17.400 | 3960.8 |

Sample Name: K1646-01DLX10      Acquired: 3/2/2019 4:24:21      Type: Unk  
 Method: P4-ICP2(v2905)      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 | -.00846 | .02166 | -.00224 | -.00464 | 11.723 | .07886 | .00051 |
| Stddev | .00431 | .00102  | .00072 | .00300  | .00083  | .103   | .00428 | .00005 |
| %RSD   | 80.211 | 12.106  | 3.3180 | 133.71  | 17.809  | .87790 | 5.4211 | 8.9203 |

|    |        |         |        |         |         |        |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|--------|
| #1 | .00625 | -.00925 | .02234 | -.00558 | -.00538 | 11.791 | .07780 | .00049 |
| #2 | .00919 | -.00882 | .02091 | -.00139 | -.00375 | 11.774 | .07522 | .00056 |
| #3 | .00070 | -.00730 | .02175 | .00024  | -.00479 | 11.605 | .08357 | .00048 |

|        |         |        |        |        |        |        |        |        |
|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 | Mn2576 | Mg2790 |
| Units  | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | -.00037 | 453.96 | .01143 | .00215 | .01138 | 6.5479 | .40355 | 25.805 |
| Stddev | .00010  | 1.96   | .00012 | .00032 | .00049 | .0335  | .00125 | .151   |
| %RSD   | 26.649  | .43258 | 1.0306 | 14.967 | 4.3384 | .51182 | .30928 | .58673 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00038 | 455.63 | .01140 | .00249 | .01161 | 6.5641 | .40480 | 25.941 |
| #2 | -.00046 | 454.44 | .01133 | .00185 | .01172 | 6.5094 | .40356 | 25.642 |
| #3 | -.00026 | 451.80 | .01156 | .00212 | .01081 | 6.5702 | .40230 | 25.831 |

|        |        |         |        |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 | K_7664 | Mo2020 | B_2496 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00809 | -.00414 | .27558 | .02597 | .05195 | .45385 | .00073 | .02338 |
| Stddev | .00074 | .00032  | .00278 | .00035 | .00014 | .05208 | .00012 | .00054 |
| %RSD   | 9.1657 | 7.7996  | 1.0087 | 1.3396 | .27807 | 11.475 | 16.716 | 2.3287 |

|    |        |         |        |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|--------|
| #1 | .00892 | -.00377 | .27276 | .02637 | .05179 | .50003 | .00059 | .02351 |
| #2 | .00789 | -.00434 | .27565 | .02580 | .05207 | .46411 | .00076 | .02278 |
| #3 | .00748 | -.00431 | .27832 | .02574 | .05200 | .39740 | .00083 | .02384 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774 | Sr4077 | U_3670 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 5.4349 | .09087 | .00223 | .45118 | .04274 | .3445  | 1.3073 | 4.7564 |
| Stddev | .0270  | .00223 | .00077 | .00120 | .00201 | .0025  | .0073  | .2136  |
| %RSD   | .49697 | 2.4554 | 34.587 | .26649 | 4.7109 | .7229  | .55984 | 4.4909 |

|    |        |        |        |        |        |       |        |        |
|----|--------|--------|--------|--------|--------|-------|--------|--------|
| #1 | 5.4515 | .09194 | .00305 | .45238 | .04286 | .3421 | 1.3137 | 4.9176 |
| #2 | 5.4495 | .08830 | .00212 | .45120 | .04470 | .3442 | 1.3089 | 4.8374 |
| #3 | 5.4037 | .09236 | .00152 | .44998 | .04067 | .3471 | 1.2993 | 4.5141 |



Sample Name: K1646-01DLX10      Acquired: 3/2/2019 4:24:21      Type: Unk  
 Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
 User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
 Comment:

|        |        |
|--------|--------|
| Elem   | U_3859 |
| Units  | ppm    |
| Avg    | 13.313 |
| Stddev | 7.508  |
| %RSD   | 56.399 |

|    |        |
|----|--------|
| #1 | 10.295 |
| #2 | 7.7831 |
| #3 | 21.861 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3551.4 | 38973. | 3503.3 | 15.746 | 3511.8 |
| Stddev    | 23.7   | 203.   | 18.1   | .991   | 8.3    |
| %RSD      | .66640 | .52060 | .51599 | 6.2914 | .23531 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3574.9 | 38881. | 3484.5 | 14.952 | 3521.1 |
| #2 | 3527.6 | 38832. | 3505.0 | 16.856 | 3509.1 |
| #3 | 3551.6 | 39206. | 3520.5 | 15.430 | 3505.2 |

Sample Name: K1651-04DLX10      Acquired: 3/2/2019 4:28:48      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00950 | -.02054 | .06791 | -.00541 | -.00360 | 19.802 | .15946 |
| Stddev | .00404 | .00071  | .00068 | .00367  | .00246  | .120   | .00479 |
| %RSD   | 42.477 | 3.4372  | 1.0077 | 67.960  | 68.168  | .60691 | 3.0066 |

|    |        |         |        |         |         |        |        |
|----|--------|---------|--------|---------|---------|--------|--------|
| #1 | .00486 | -.02135 | .06735 | -.00203 | -.00575 | 19.669 | .15512 |
| #2 | .01149 | -.02021 | .06772 | -.00486 | -.00093 | 19.832 | .16461 |
| #3 | .01215 | -.02006 | .06868 | -.00932 | -.00413 | 19.904 | .15865 |

|        |        |         |        |        |        |        |        |
|--------|--------|---------|--------|--------|--------|--------|--------|
| Elem   | Be2348 | Cd2265  | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404 |
| Units  | ppm    | ppm     | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | .00142 | -.00173 | 246.67 | .22079 | .01088 | .07775 | 31.191 |
| Stddev | .00005 | .00005  | 2.51   | .00082 | .00035 | .00078 | .348   |
| %RSD   | 3.1916 | 2.6852  | 1.0172 | .36951 | 3.2137 | 1.0041 | 1.1152 |

|    |        |         |        |        |        |        |        |
|----|--------|---------|--------|--------|--------|--------|--------|
| #1 | .00146 | -.00167 | 248.73 | .22065 | .01113 | .07747 | 31.521 |
| #2 | .00143 | -.00176 | 247.39 | .22005 | .01103 | .07863 | 31.225 |
| #3 | .00137 | -.00175 | 243.88 | .22166 | .01048 | .07714 | 30.828 |

|        |        |        |        |         |        |        |        |
|--------|--------|--------|--------|---------|--------|--------|--------|
| Elem   | Mn2576 | Mg2790 | Ni2316 | Ag3280  | Na5895 | V_2924 | Zn2138 |
| Units  | ppm    | ppm    | ppm    | ppm     | ppm    | ppm    | ppm    |
| Avg    | .95208 | 40.520 | .05518 | -.00424 | .31912 | .12427 | .11559 |
| Stddev | .00183 | .193   | .00057 | .00042  | .01379 | .00030 | .00009 |
| %RSD   | .19256 | .47666 | 1.0250 | 9.9385  | 4.3201 | .24255 | .08212 |

|    |        |        |        |         |        |        |        |
|----|--------|--------|--------|---------|--------|--------|--------|
| #1 | .95135 | 40.322 | .05572 | -.00472 | .32812 | .12444 | .11552 |
| #2 | .95072 | 40.531 | .05459 | -.00398 | .32598 | .12444 | .11570 |
| #3 | .95416 | 40.708 | .05524 | -.00401 | .30325 | .12392 | .11555 |

|        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | K_7664 | Mo2020 | B_2496 | S_1820 | Si2881 | Sn1899 | Ti3361 |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| Avg    | 3.5503 | .00979 | .01733 | 6.8873 | .06108 | .00583 | 1.1078 |
| Stddev | .0832  | .00033 | .00283 | .0474  | .00379 | .00102 | .0049  |
| %RSD   | 2.3435 | 3.4025 | 16.341 | .68839 | 6.2029 | 17.521 | .44085 |

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.6385 | .00944 | .01558 | 6.9179 | .06531 | .00611 | 1.1050 |
| #2 | 3.5394 | .01011 | .02060 | 6.8327 | .05994 | .00470 | 1.1135 |
| #3 | 3.4731 | .00982 | .01582 | 6.9113 | .05799 | .00669 | 1.1050 |

Sample Name: K1651-04DLX10      Acquired: 3/2/2019 4:28:48      Type: Unk  
Method: P4-ICP2(v2905)      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       | .05324 | .7501  | .12175 | 4.3249 | F<.00000 |
| Stddev    | .00428 | .0004  | .00037 | .0588  | 11.866   |
| %RSD      | 8.0352 | .0517  | .30408 | 1.3602 | 3.6426   |
| #1        | .05049 | .7504  | .12203 | 4.3193 | -320.96  |
| #2        | .05816 | .7503  | .12133 | 4.2691 | -317.01  |
| #3        | .05105 | .7497  | .12189 | 4.3864 | -339.25  |
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306   |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S    |
| Avg       | 3601.1 | 39550. | 3512.5 | 15.116 | 3595.2   |
| Stddev    | 29.9   | 74.    | 43.6   | .829   | 7.3      |
| %RSD      | .83131 | .18701 | 1.2417 | 5.4852 | .20383   |
| #1        | 3616.3 | 39519. | 3472.7 | 14.161 | 3600.7   |
| #2        | 3566.6 | 39635. | 3505.6 | 15.541 | 3586.9   |
| #3        | 3620.4 | 39497. | 3559.1 | 15.647 | 3598.1   |

Sample Name: CCV19      Acquired: 3/2/2019 4:33:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |          |        |          |
|--------|--------|--------|--------|--------|--------|----------|--------|----------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961   | Ba4934 | Be2348   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 4.8837 | 5.0399 | 4.7950 | 5.0939 | 4.8967 | 10.025   | 10.684 | .24617   |
| Stddev | .0479  | .0072  | .0143  | .0433  | .0503  | .066     | .044   | .00050   |
| %RSD   | .98014 | .14189 | .29915 | .84993 | 1.0267 | .65882   | .40730 | .20345   |
| #1     | 4.9041 | 5.0440 | 4.7891 | 5.1139 | 4.9274 | 9.9486   | 10.720 | .24616   |
| #2     | 4.9180 | 5.0441 | 4.8114 | 5.1235 | 4.9240 | 10.058   | 10.635 | .24568   |
| #3     | 4.8290 | 5.0317 | 4.7846 | 5.0442 | 4.8387 | 10.067   | 10.696 | .24668   |
| Elem   | Cd2265 | Ca3736 | Cr2677 | Co2286 | Cu2247 | Fe2404   | Mn2576 | Mg2790   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.4283 | 26.242 | 1.0213 | 2.4369 | 1.2741 | 5.3652   | 2.4577 | 25.519   |
| Stddev | .0071  | .146   | .0061  | .0066  | .0107  | .0127    | .0043  | .133     |
| %RSD   | .29161 | .55509 | .59878 | .27307 | .83842 | .23588   | .17448 | .52219   |
| #1     | 2.4258 | 26.188 | 1.0217 | 2.4345 | 1.2780 | 5.3790   | 2.4571 | 25.547   |
| #2     | 2.4363 | 26.407 | 1.0150 | 2.4444 | 1.2823 | 5.3541   | 2.4537 | 25.636   |
| #3     | 2.4227 | 26.131 | 1.0273 | 2.4317 | 1.2621 | 5.3625   | 2.4622 | 25.374   |
| Elem   | Ni2316 | Ag3280 | Na5895 | V_2924 | Zn2138 | K_7664   | Mo2020 | B_2496   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 2.5966 | 1.2800 | 27.198 | 2.7096 | 2.3496 | F 28.706 | 4.8923 | 5.1937   |
| Stddev | .0102  | .0078  | .061   | .0078  | .0071  | .081     | .0411  | .0638    |
| %RSD   | .39415 | .60840 | .22316 | .28899 | .30401 | .28120   | .84029 | 1.2292   |
| #1     | 2.5996 | 1.2854 | 27.229 | 2.7152 | 2.3500 | 28.778   | 4.9075 | 5.1287   |
| #2     | 2.6050 | 1.2711 | 27.128 | 2.7006 | 2.3565 | 28.619   | 4.9236 | 5.2563   |
| #3     | 2.5852 | 1.2834 | 27.237 | 2.7129 | 2.3422 | 28.721   | 4.8457 | 5.1961   |
| Elem   | S_1820 | Si2881 | Sn1899 | Ti3361 | Li6707 | P_1774   | Sr4077 | U_3670   |
| Units  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm      | ppm    | ppm      |
| Avg    | 5.1000 | 5.1747 | 4.8935 | 4.9790 | 5.0116 | 5.112    | 5.0317 | F 4.3869 |
| Stddev | .0146  | .0261  | .0169  | .0067  | .0236  | .005     | .0235  | .1454    |
| %RSD   | .28573 | .50443 | .34555 | .13470 | .47170 | .0928    | .46680 | 3.3150   |
| #1     | 5.0999 | 5.2030 | 4.8985 | 4.9730 | 5.0359 | 5.107    | 5.0514 | 4.4691   |
| #2     | 5.1147 | 5.1515 | 4.9074 | 4.9862 | 4.9887 | 5.114    | 5.0057 | 4.2190   |
| #3     | 5.0855 | 5.1696 | 4.8747 | 4.9778 | 5.0103 | 5.116    | 5.0380 | 4.4726   |

Sample Name: CCV19      Acquired: 3/2/2019 4:33:12      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

Elem      U\_3859  
Units      ppm  
Avg      F 19.484  
Stddev      6.721  
%RSD      34.497

#1      26.684  
#2      18.394  
#3      13.374

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3628.8 | 40067. | 3486.0 | 16.003 | 3700.5 |
| Stddev    | 32.7   | 113.   | 15.0   | 1.378  | 10.4   |
| %RSD      | .90137 | .28316 | .43117 | 8.6095 | .28011 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3613.9 | 39976. | 3468.6 | 14.570 | 3701.4 |
| #2 | 3606.2 | 40194. | 3494.9 | 16.120 | 3689.7 |
| #3 | 3666.3 | 40030. | 3494.4 | 17.318 | 3710.4 |

Sample Name: CCB19      Acquired: 3/2/2019 4:37:14      Type: Unk  
Method: P4-ICP2(v2905)      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    | .00121   | .00081  | -.00069 | .00276  | -.00104 | .00008  | .00812  | .00001   |
| Stddev | .00467   | .00094  | .00103  | .00111  | .00080  | .01784  | .00725  | .00006   |
| %RSD   | 386.59   | 116.21  | 148.95  | 40.379  | 77.403  | 22331.  | 89.288  | 900.95   |
| #1     | .00330   | .00058  | .00005  | .00335  | -.00175 | -.00163 | .01470  | -.00003  |
| #2     | .00446   | .00185  | -.00187 | .00346  | -.00017 | .01871  | .00933  | -.00003  |
| #3     | -.00414  | .00001  | -.00025 | .00148  | -.00120 | -.01685 | .00034  | .00008   |
| Elem   | Cd2265   | Ca3736  | Cr2677  | Co2286  | Cu2247  | Fe2404  | Mn2576  | Mg2790   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00002  | -.01221 | .00006  | -.00017 | .00012  | .00006  | .00004  | .02785   |
| Stddev | .00007   | .01039  | .00028  | .00015  | .00035  | .00066  | .00003  | .03946   |
| %RSD   | 408.35   | 85.085  | 438.08  | 88.047  | 293.17  | 1190.4  | 69.536  | 141.68   |
| #1     | .00002   | -.00859 | -.00007 | -.00032 | .00037  | -.00069 | .00002  | -.01139  |
| #2     | -.00010  | -.00412 | -.00012 | -.00004 | -.00028 | .00059  | .00008  | .06751   |
| #3     | .00002   | -.02393 | .00039  | -.00013 | .00028  | .00026  | .00004  | .02742   |
| Elem   | Ni2316   | Ag3280  | Na5895  | V_2924  | Zn2138  | K_7664  | Mo2020  | B_2496   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | -.00053  | -.00074 | .02653  | -.00060 | -.00028 | .06446  | .00026  | .01543   |
| Stddev | .00032   | .00042  | .01604  | .00021  | .00012  | .00914  | .00034  | .01138   |
| %RSD   | 59.755   | 56.574  | 60.468  | 35.676  | 43.983  | 14.182  | 130.84  | 73.801   |
| #1     | -.00089  | -.00030 | .01678  | -.00082 | -.00014 | .07464  | .00062  | .02857   |
| #2     | -.00044  | -.00079 | .01777  | -.00057 | -.00039 | .05695  | .00020  | .00850   |
| #3     | -.00027  | -.00114 | .04505  | -.00040 | -.00032 | .06179  | -.00005 | .00921   |
| Elem   | S_1820   | Si2881  | Sn1899  | Ti3361  | Li6707  | P_1774  | Sr4077  | U_3670   |
| Units  | ppm      | ppm     | ppm     | ppm     | ppm     | ppm     | ppm     | ppm      |
| Avg    | F .04204 | .00170  | -.00020 | .00157  | -.00764 | .0040   | -.00015 | F 3.0631 |
| Stddev | .00990   | .00130  | .00075  | .00182  | .00133  | .0013   | .00006  | .1468    |
| %RSD   | 23.539   | 76.297  | 371.27  | 115.77  | 17.356  | 31.20   | 40.453  | 4.7939   |
| #1     | .03340   | .00313  | -.00106 | -.00046 | -.00917 | .0043   | -.00014 | 3.1358   |
| #2     | .05284   | .00060  | .00018  | .00211  | -.00692 | .0051   | -.00010 | 2.8941   |
| #3     | .03988   | .00137  | .00028  | .00306  | -.00683 | .0027   | -.00021 | 3.1594   |

Sample Name: CCB19      Acquired: 3/2/2019 4:37:14      Type: Unk  
Method: P4-ICP2(v2905)      Mode: CONC      Corr. Factor: 1.000000  
User: Bin He      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |
|--------|----------|
| Elem   | U_3859   |
| Units  | ppm      |
| Avg    | F 10.220 |
| Stddev | 1.998    |
| %RSD   | 19.549   |

|    |        |
|----|--------|
| #1 | 9.4921 |
| #2 | 12.480 |
| #3 | 8.6882 |

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | In2306 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 3706.3 | 41622. | 3478.5 | 16.403 | 4106.4 |
| Stddev    | 16.7   | 62.    | 19.7   | 1.223  | 17.1   |
| %RSD      | .45031 | .14837 | .56582 | 7.4571 | .41647 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 3690.4 | 41622. | 3473.5 | 16.217 | 4093.6 |
| #2 | 3704.9 | 41561. | 3461.8 | 15.283 | 4099.8 |
| #3 | 3723.6 | 41684. | 3500.2 | 17.708 | 4125.8 |